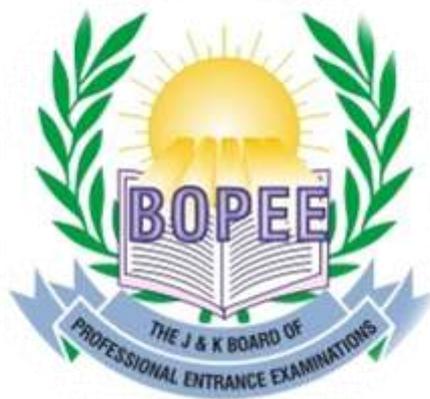


# Information Brochure, 2015



## THE JAMMU AND KASHMIR BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS

*Email: [administrator@jakbopee.org](mailto:administrator@jakbopee.org)*

*Website: [www.jakbopee.org](http://www.jakbopee.org)*

**THE JAMMU AND KASHMIR**  
**BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS**

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## MESSAGE

**The Jammu and Kashmir BOPEE of Professional Entrance Examinations (BOPEE), has been constituted under the Jammu and Kashmir BOPEE of Professional Entrance Examinations Act, 2002, primarily for conduct of Entrance Tests and making selection of candidates for admission to various undergraduate and postgraduate professional courses in the State.**



The Act accords functional autonomy to the BOPEE in the conduct of examination(s) and making of selection of candidates for various professional courses to ensure that it remains free from any external interference or extraneous consideration(s) in discharge of its statutory functions. Subject to the constitutional provisions and guarantees, the BOPEE will be discharging its statutory obligation in a fair and transparent manner strictly in conformity with the said Act and the Jammu & Kashmir BOPEE of Professional Entrance Examination Rules, 2014. Accordingly, merit alone will prevail in the matter of selections/admissions.

The fast emerging new technologies have impacted all fields of human activity. The BOPEE can thus bring about more efficiency, transparency and speed in organising entrance examinations and in carrying out subsequent admission processes by adopting new technologies and making their optimum use. The stakeholders will get timely and adequate information on the BOPEE's website.

The stakeholders, particularly the candidates, can easily access information they need concerning entrance tests on internet at the time and place convenient to them. Over the years, the website has facilitated and increased the interaction between the functionaries of the BOPEE, the students and other stakeholders at large. More importantly, website of the BOPEE has made its functioning and activities candidate friendly apart from being more transparent and open to public scrutiny.

We shall feel obliged for suggestions and comments from students, parents and members of the general public in respect of format and content of the website for widening its scope and reach in days to come as also in the matter of discharge of its aforementioned statutory functions/obligations.

Wishing to interact with you at the time of counselling. Have absolute faith and confidence in your merit which alone will determine your seat/course/college allocation and consequent admission thereto.

**G. H. Tantray , IAS (Rtd.)**

**Chairman**

## MESSAGE

The Common Entrance Test (CET) meant to select students for Medical and Engineering courses for different Colleges of our State takes hard toil from the aspirants together with their parents of which BOPEE officials are quite conscious. The merit secured by the candidates by burning midnight oil can in no case be tinkered with and will be respected at all cost.



The aspirants are advised to concentrate exclusively on their studies and not to lend ear to rumour mongers and in case of any complaint or clarification, they are advised to approach directly to the Secretary of the BOPEE who will be more than glad to respond.

The candidates are required to fill up their Application Forms strictly according to the Guidelines given in the Brochure. They are advised not to take counselling in this regard from any official of the BOPEE nor has the BOPEE authorised any of its official to guide applicants while filling the Application Form. Any mistake committed by an applicant, while filling the Application Form, may prove very costly and may even deprive him/her a berth which he/she may otherwise get. The candidates are advised to fill up their Application Form in presence of their parents / guardians and the BOPEE will not be responsible for any mistake committed by them under any circumstances what so ever. Nor can the plea of the candidate that he/ she was misguided by the official of the BOPEE will be accepted and this holds true for counselling also which is conducted after declaration of the result.

The conduct of various tests by the BOPEE is a herculean task which cannot be accomplished without the cooperation of the students and their parents. It has been observed over the period of time that the students some time submit incorrect information or do not furnish some important information and then at a belated stage roam around BOPEE offices in an attempt to provide this information on one pretext or the other. Even some such students resort to litigation as well which derails whole process of admission and results in inordinate delay. Thus, they waste their precious time and money for rectifying a mistake which they could have so easily avoided. The BOPEE values time, money and career of the students which should not be wasted by being carefree at the time of filing of Application Form. They should get the habit of doing things meticulously and should stand upright where they commit a mistake even though inadvertently.

The BOPEE has taken solemn pledge that all the admissions to be recommended by it on the basis of the tests conducted from time to time will be solely based on merit calculated scrupulously in a transparent manner and the aspirants should rest assured that their merit is in the safe hands. The BOPEE officials are trustees of the merit of the candidates which under no circumstances can be bartered away.

**Prof. Farooq Ahmad Mir**  
**Controller of Examinations**

## CONTENTS

S.No		Page No
1	Introduction	6
2	Terms and Expressions	6
3	General Information and Instructions	7
4	Eligibility for Admission	9
5	Reservation and Category Codes	10
6	Fee Structure (tentative)	14
7	Online Application Form	15
8	Admit Card	19
9	Conduct of Entrance Examination	19
10	Time Schedule for Candidates in the Examination Hall	22
11	Determination of Merit	23
12	Declaration of Result	24
13	Counselling for Allotment of Discipline/Institution	25
14	Syllabus	28
15	Institutions with Courses and Tentative Intake Capacity	38
16	Annexures	55

**Annexure-I**     *Competent Authorities for Issuance of Reserved Category Certificates*

**Annexure-II**     *Income Certificate for Poor & Backward Category*

**Annexure-III**     *Income Certificate for Tuition Fee Waiver Category*

**Annexure-IV**     *Sample of OMR Answer Sheet*

**Annexure-V**     *Undertaking and Authority Letter for Counselling*

**Annexure-VI**     *Sample of Counselling Form*

**Annexure-VII**     *Seat Matrix of CET (PCM)-2015 in Different Disciplines/Institution*

**Annexure-VIII**     *Seat Matrix Operated for Session 2013 for MBBS/BDS/ at GMC-J/GMC-S/SKIMS/GDC-J/GDC-S*

**Annexure-IX**     *Seat Matrix Operated for Session 2014 MBBS/BDS/ at GMC- J/GMCS/SKIMS/GDC-J/GDC-S*

**Annexure-X**     *Tentative Seat Matrix to be operated for Session 2015 MBBS/BDS/ at GMC- J/GMCS/SKIMS/GDC-J/GDC-S*

**Annexure-XI**     *Sample of Representation Regarding Answer Key*

**Annexure XII**     *Prohibition and Guidelines for Preventing Ragging*

**Annexure XIII**     *MCI Regulations for prevention and prohibition of Ragging*

## 1. INTRODUCTION

The Jammu and Kashmir Board of Professional Entrance Examinations (BOPEE) was established by an Act of the State Legislature (Act No. XXV of 2002). Under the Act, the BOPEE is entrusted with the task of conducting entrance tests and recommending candidates for admission to various professional courses in the State of Jammu and Kashmir. These, inter alia, include Medical and Engineering courses.

The Common Entrance Test (CET) -2015 is being conducted for the purpose of determining merit of the students for admission to various professional undergraduate courses like MBBS, BDS, BE, BUMS, BAMS and BPT programmes. etc. in the Government run and privately managed institutions of the J&K State. The test will be conducted in accordance with the provisions of the J&K Board of Professional Entrance Examinations Act, 2002 and the Rules of 2014; Jammu and Kashmir Reservation Act, 2004, J&K Reservation Rules, 2005 as amended from time to time and other relevant rules, orders, notifications and directions issued or to be issued by the Government of Jammu and Kashmir or by any regulating body (like MCI, DCI, AICTE, AYUSH) from time to time.

The Electronic Information Brochure has been prepared to provide information to the candidates of the CET, right from the issuance of admission notification upto final selection for admission to various professional courses. The most crucial step is the filling up of the Application Form which the students must do very meticulously. The selections are recommended according to the choice for courses and the Colleges/Institutions indicated by the applicant in his/her counselling form in order of merit secured in the CET. The candidates should, therefore, carefully go through the Information Brochure before filling their online Application Form. Any error at the initial stage may not get rectified later on and this may prove very costly to a promising student.

## 2. TERMS AND EXPRESSIONS

Certain terms and expressions used in the Information Brochure have specific meaning unless, of course, the context otherwise denotes. For the benefit of the candidates, these terms and expressions are briefly defined hereinafter:-

- I. **Advertisement Notification:** means the notification issued by BOPEE for inviting online applications from eligible candidates for appearing in the CET.
- II. **Application Form:** means the online Application Form available on the official website of the BOPEE to be submitted by the eligible candidates for appearing in the CET.
- III. **Available Seats:** The seats against which admissions are ordered by the Government of Jammu & Kashmir.
- IV. **CET:** means the Common Entrance Test for selecting candidates for various medical and engineering courses.
- V. **Eligible Candidate:** means a candidate who fulfills the requirements of eligibility as prescribed by the BOPEE, the State Government, Affiliating Universities and other regulating agencies viz. MCI, DCI, AICTE, AYUSH etc.
- VI. **Free Seats:** means the seats in the Government run institutions for which only nominal fee is prescribed.
- VII. **Incomplete Form:** means the Application Form/Confirmation Page which is without any required documentary proof or is wrongly filled in or contains false information of any kind or not having required and /or valid certificates or has any other deficiency and discrepancy whatsoever.

- VIII. **Late Receipt:** means the Confirmation Page, where ever required, not received in the office of the BOPEE, Srinagar / Jammu within the stipulated time mentioned in the advertisement notification which includes Confirmation Page sent by registered post/ speed post/ Courier within the stipulated time but reaches after the expiry of this date.
- IX. **Merit List:** The list of candidates, who appear in the CET, drawn up in the descending order of inter-se-merit.
- X. **Payment Seats:** The seats available, excluding free seats in a professional course, for which higher fee is prescribed.
- XI. **Private Educational Institutions:** The Institutions / Colleges established and or administered by registered societies, public trusts or religious and charitable trusts offering professional courses and duly approved/recognised by the Government of Jammu and Kashmir and regulating bodies such as MCI / DCI/ AICTE/ AYUSH, as the case may be.
- XII. **Qualifying Examination:** 10+2 or equivalent examination passed from a Government recognized Board on the basis of which candidates become eligible for appearing in the CET.
- XIII. **Rules:** mean the Jammu and Kashmir BOPEE of Professional Entrance Examination Rules-2014.

### 3. GENERAL INFORMATION & INSTRUCTIONS

It is expected that the candidates shall be sincere, honest and behave responsibly while appearing in the entrance examination and shall not resort to any unfair/fraudulent means or impersonation act in the examination. In case a candidate is found resorting to such acts, criminal proceedings shall be initiated against him/her including his/her abettors/facilitators, besides debarring him / her permanently from appearing in the Entrance Test in future.

1. The candidates interested in appearing in the CET are required to:
  - i. go through E- Information Brochure carefully and acquaint themselves with all the requirements;
  - ii. satisfy the prescribed eligibility conditions; and
  - iii. submit online Application Form within the prescribed date.;
- (2) The candidates applying for admission will be required to appear in the CET at their own expenses.
- (3) The recommendation for selection of the candidates in all the categories shall be subject to production of all the relevant certificates in original by the candidates and the verification of the same by BOPEE/College/University.
- (4) No intimation whatsoever about non-selection will be sent individually and no correspondence in this regard shall be entertained. The result will, however, be available in both the offices of the BOPEE at Jammu and Srinagar for information and perusal of the candidates. The result will also be available on BOPEE's website: [www.jakbopee.org](http://www.jakbopee.org) / [www.jakbopee.net](http://www.jakbopee.net)
- (5) The selection made by the BOPEE to the professional course shall be provisional till final determination of eligibility of the candidates by the concerned University/ College.
- (6) The BOPEE shall have power to review the provisional selection list at any time, notwithstanding the fact that the selected candidate has completed his/her admission formalities, where any bonafide error, lapse, mistake, fraud, cheating, misrepresentation, misinterpretation, impersonation or glaring injustice is brought to its notice which has resulted in the inclusion of

the candidate in the selection list. Mere selection in the list does not confer any right to admission of the candidate, if he/she is otherwise found ineligible.

- (7) Complaints against certificates, including those of reserved categories, will not be entertained as BOPEE is neither an appellate authority nor an investigating agency.
- (8) Permission of candidates to appear in CET shall be provisional, subject to their being eligible for admission to the courses applied for.
- (9) The answer key will be displayed on the BOPEE'S website in the evening at about 6 PM on conclusion of last meeting of the test and will remain there for three days and thereafter will be removed. The candidates who have any complaint against an answer of a question in the Question Paper are free to make written representation supported by documentary proof of standard text Books on the prescribed format available on the official website of BOPEE and in the BOPEE office at Srinagar/Jammu which should reach in the office (Srinagar/ Jammu) within three working days after the Key is made available and thereafter no representation will be entertained/accepted.
- (10) The Answer Key will be got re-examined by the BOPEE on the basis of the representations so received and the revised key, if any, will be final and no complaint will be then entertained regarding the revised key. The revised Key will be uploaded on the website of the BOPEE. The revised Answer Key, if any, will be applied to Answer Sheets of all the candidates no matter whether they have made such representations or not.
- (11) OMR Answer Sheets of candidates are machine graded and scanned / scrutinized and double checked with extreme care. As such, there shall be no re-evaluation/ rechecking of OMR Answer Sheets. No correspondence in this regard shall be entertained.
- (12) Re- totaling of marks will be allowed on written request along with a bank draft of Rs. 1000/- per subject in favour of FA/CAO, BOPEE, payable at Jammu / Srinagar. The application will be received within 5 days after the declaration of result. Any application received after the stipulated time will not be entertained.

### **Instruction for Photographs**

Candidates must also follow the following instructions:

- a. Please ensure that the photograph is taken in a light coloured background.
- b. 2. The photograph/signature/thumb-impression images to be uploaded in JPG/JPEG format.
- c. 3. The maximum size of the photograph to be 500 KB and for signature/thumb-impression to be 200 KB.
- d. Photographs must be snapped on or after 01-01-2015.
- e. Photograph must be taken with name of candidate (as written in Application Form).
- f. The photograph must be snapped with a placard indicating name of candidate and date of taking photograph. In case name and date are written on the photograph after taking it, the application will be rejected.
- g. The name and date on the photograph must be clear and legible.

Sample Photograph:



h. Photograph should be without a cap and goggles. However, spectacles are allowed.

#### 4. ELIGIBILITY FOR ADMISSION

1. The candidates applying for CET must fulfill the following eligibility conditions:  
They must:
  - a) be permanent residents of J&K State as defined in Section 6 of the Constitution of J&K.
  - b) have passed Hr. Sec. Part II (12<sup>th</sup> / 10+2) or an equivalent examination from a recognized statutory Board/University
  - c) have obtained 50% marks in aggregate in 10+2 examination in case of open merit category and 40% in aggregate for reserved categories.
  - d) have passed 10+2 examination with English, Physics, Chemistry and Mathematics as their elective subjects in case of admission to Bachelor of Engineering Courses .
  - e) have passed 10+2 examination with English, Physics, Chemistry and Biology, as elective subjects for admission to MBBS, BDS, Physiotherapy, BAMS/ BUMS etc.
2. The candidates appearing / appeared in 10+2 (12<sup>th</sup> class) Annual Examination can also apply to appear in CET-2015. However, such candidates have to produce their original marks cards at the time of counselling, if they figure in the list of the candidates called for counselling. If a candidate has been called for counselling but has failed to secure required percentage of marks in the qualifying examination, he/she shall not be considered for admission.
3. The candidates must be at least 17 years old on or before December 31, 2015 if he/she applies to appear in CET- 2015 for admission to MBBS, BDS, BAMS and BUMS Courses. For removal of any doubt, a candidate born on or after <sup>2nd</sup> January, 1999 is not eligible to appear in CET.
4. The candidates applying under TFW or P&B category are open merit candidates. They must full eligibility conditions meant for open merit candidates.

## 5. RESERVATION AND CATEGORY CODES

(1). The reservation is applicable only in Government-run Colleges / Institutions in the State as notified by the J&K Government. The percentage of seats to be allotted to each category shall be as under:

S. No.	Categories	Category Codes	Reservation in %age
1	Open Merit (OM)	06	50
2	<b>Reserved Categories</b>		
2.1	Scheduled Caste (SC)	07	08
2.2	<b>Scheduled Tribes</b>		
2.2.1	Scheduled Tribe, Gujjar & Bakerwal (STGB)	08	06
2.2.2	Scheduled Tribe, Leh District (STL)	09	02
2.2.3	Scheduled Tribe, Kargil District (STK)	10	02
2.2.4	Other Scheduled Tribes (STO)	11	01
2.3	<b>Socially and Educationally Backward Classes</b>		
2.3.1	Weak and Under Privileged Classes, Social Castes (OSC)	12	02
2.3.2	Residents of Backward Area (RBA)	13	20
2.3.3	Residents of Area Adjoining Actual Line of Control (ALC)	14	03
2.4	Children of Defense Personnel (CDP) * (State Subjects only)	15	03
2.5	Candidates possessing outstanding proficiency in Sports (SP)**	16	02
2.6	Children of State Police Personnel and Paramilitary Forces (JKPM)	17	01
2.7	Poor and Backward Families (P&B)	18	Notified against colleges/courses, wherever applicable
2.8	Tuition fee Waiver Scheme (TFW) ***	19	05 of sanctioned intake capacity
3.	TFW and P&B	20	

The category Certificates should be on the prescribed format.

**(2) Rules 5 and 6 of the JK BOPEE Rules, 2014 deal with reservation of candidates for admission to various professional Courses. These Rules pertain to the candidates of CET also who claim benefit of the reserved category. These two rules have been reproduced verbatim hereinafter for the benefit of the candidates. They are advised to go through these Rules before they attempt to fill up their online Application Form.**

### 5. Reservation for candidates for admission to various Professional Courses:

(1) The reservation of admissions shall be applicable only in Government-run colleges as notified by the Government from time to time, unless otherwise prescribed specifically or notified for any private College.

(2) The percentage of seats to be allotted to each category shall be such as notified by the Government from time to time.

(3) The benefit of reservation shall be available to the concerned candidate only if the attested photo copy of the valid category certificate is attached with the Confirmation Page and Category Code mentioned in the original online Application Form at the time of its submission before the expiry of the last date.

(4) Where a category certificate has not been issued by the designated authority, the candidate shall not be given an opportunity to validate it after the expiry of the last date for submission of the Application Form.

(5) No notice shall be given to a candidate whose category certificate has been found invalid by the BOPEE and such a candidate shall be considered in open merit, if found otherwise eligible.

(6) The category certificate issued after the expiry of the last date shall in no case be accepted.

(7) No under process certificate shall be accepted/ entertained at any cost. It includes under process certificate for the renewal of category certificate.

(8) The category certificate must be valid at the time of submission of online Application Form as well as at the time of submission of Confirmation Page in the BOPEE office. Where a candidate has valid category certificate at the time of submission of the form but its validity period is to expire before the date of counselling, such candidate shall get his certificate renewed by or before the date of counselling, otherwise he/she will not get benefit of the category.

(9) Where a candidate fails to submit reserved category certificate along with the "Application Form", his/her application will be considered under Open Merit category, if found otherwise eligible.

(10) A candidate can apply/opt for one reserved category only and choice regarding reserved category once exercised shall be final and at no stage shall be allowed to be changed.

(11) A candidate will be considered only for one reserved category for selection against the seats reserved for that category for which code has been recorded at relevant Serial No. of the Application Form even if he/she is eligible to be considered for seats available in more than one category.

(12) -----(This clause is not now relevant).

(13) The BOPEE shall follow a rotational policy of odd / fractional seats of contiguous categories by clubbing them together to make it a whole number seat which shall be allotted to the candidate of the clubbed categories by following rotational policy between male and female candidates where such reservation is provided under rules.

(14) The fractional seats of contiguous categories other than given herein above shall be clubbed together to make it whole number (1 seat) which shall be allotted to the candidate of the clubbed categories.

(15) The BOPEE shall try as far as possible to incorporate the seat matrix in the Brochure for each course in the year in which admission is made.

6. **Competent authority:** Authorities competent for issuing reserved category certificates shall be such as notified by the Government from time to time: Provided that in the case of Children of Defense

Personnel other than core service, a candidate having a certificate that his/her father is working in Defense Establishment (Military Engineering Service or other service of like nature) where salary is paid out from Defense Estimates is not entitled to the benefit of CDP Category.

Where this certificate is wrongly accepted and the candidate gets admission on the basis of this certificate, the admission of such candidate will be cancelled as and when this mistake comes to the knowledge of BOPEE or brought to its notice

Provided further that the candidates having "Outstanding Proficiency in Sports" must submit their certificates to the Secretary, J& K Sports Council for awarding points which will be then officially forwarded to the BOPEE by the Sports Council. The BOPEE shall not be responsible where a candidate fails to submit certificates to the Council or Council fails to forward the points of a candidate to the BOPEE. It shall be the sole responsibility of the candidate to ensure that his/her sports points are forwarded by the Council to the BOPEE."The sports category candidates must submit one set of the sports certificates along with the Confirmation Page in the BOPEE office, Srinagar/Jammu within the last date prescribed for submission of the forms in the admission notification to be issued separately.

**(3) The Children of serving BSF, CRPF, ITBP and CISF do not fall under CDP category but fall under the category of JKPM for which Category Code is different. The candidates claiming benefit of any of these categories must ensure under which category they fall and should accordingly enter the Category Code.**

**(4)** In the Government Medical and Dental Colleges, 50% of seats under all the categories are reserved for female candidates. The seats will be filled strictly in accordance with the provisions of J&K Reservation Act No. (XIV) of 2004 and Reservation Rules, 2005 and notification, if any, issued by the Govt. in this regard from time to time and odd seats will be rotated between male and female.

**(5)** The fractional seats of contiguous categories where ever possible (for instance CDP and JKPM) will be clubbed together to make them whole number of one seat as reflected in Seat Matrices, 2013 and 2014 which will be followed onwards also by following rotational policy between male and female candidates. **(see Annexures VIII and IX and X)**

(6) The category candidates should ensure that their reserved category certificate is issued by the designated competent authority and is attached with the Confirmation Page strictly in accordance with the Guidelines given in the E-Brochure. All the category certificates issued/dated after October, 2005 must be issued under SRO 294 of 2005. The certificates issued under earlier SRO will be accepted only if they are dated prior to October, 2005. The candidates should insist on the certificate issuing authority to make mention of SRO 294 in their certificates if they are issued after October, 2005.

(7) Where a category certificate has not been issued by the designated competent authority, the candidate will not be given an opportunity to validate it after the expiry of the last date for submission of the online Application Form. No notice will be given to a candidate whose category certificate has been found invalid by the BOPEE and such a candidate will be considered in open merit, if found otherwise eligible.

- (8) The certificate issued after the last date for submission of Application Form is over will not be accepted.
- (9) If a candidate feels aggrieved by the decisions of the BOPEE regarding distribution or clubbing together of fractional seats of reserved categories, he/ she is free to make representation to the Secretary of BOPEE on all working days upto 31<sup>st</sup> May, 2015 . Thereafter, no such representation will be entertained.
- (10) No person in the BOPEE is authorised to guide any applicant. The information furnished by the applicant in the online Application Form/ Confirmation Page shall be deemed to have been given by him/ her.
- (11) It has been observed that students often get confused with 'SC' and 'OSC' reserved categories and enter incorrect Code numbers in their Application Forms. It is hereby made clear that 'SC' stands for Scheduled Caste category and 'OSC' stands for Other Social Castes, which has a different category Code than 'SC' given in Brochure.
- (12) Limited number of seats are available in MBBS/ Indian System of Medicine/Physiotherapy in private Professional Colleges which are allocated on merit to the children of Poor and Backward families whose annual income does not exceed Rs. 70,000/- (Rupees Seventy thousand only) **Annexure-II**. Similarly, 5% seats, over and above intake capacity, in Engineering courses are available for the candidates whose parents annual income from all sources is less than rupees 4,50,000. Format of income Certificate is given at **Annexure-III**.

### Central Pool MBBS Seats

The BOPEE is receiving Central Pool seats of varying numbers from different Ministries every year which have to be allotted in order of merit secured in the CET to the candidates falling in either of the following categories; namely:-

S. No.	Category	Documents required	Designated Authority	Authenticating Authority
1	Children of Families where a parent or direct member of the family has been killed in acts of terrorism or has been an innocent victim in cross firing or in firing by armed forces in combating terrorism.	FIR, Death Certificate, Post Mortem Report and Affidavit that no other member of the family has got benefit of this category	SHO and Hospital Concerned Countersigned by SSP Concerned	Principal Secretary/Commissioner Secretary to Government Department of Home Affairs
2	Children of such persons who are exposed to substantive risk due to their assignment mainly related to combating acts of terrorism; added weightage is to be given to persons who have come in the hit list of terrorist organization	Certificate of threat perception Affidavit that no other member of his/her family has got benefit of this category	DIG (CID) on the basis of the report received through proper channel initiated by the SHO concerned after receiving application from the person claiming benefit of this category	Principal Secretary/Commissioner Secretary to Government Department of Home Affairs

3	Children of such families of both Muslims and non-Muslims who have migrated from Kashmir due to the current situation and have lost their means of livelihood including their business or use of their property.	Certificate of Migration, loss of property, Business and livelihood Affidavit that no other member of his/her family has got benefit of this category	Supporting documents for loss of Property(FIR etc) Migrant certificate from the Concerned Relief Commissioner	Principal Secretary/Commissioner Secretary to Government Department of Home Affairs
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- I. The seats for the Central Pool in Medical / Dental Colleges outside the State will be notified separately and recommendation of the candidates for selection will depend upon the seats made available by the Government of India / Govt. of other States and will also be subject to such conditions as may be prescribed by the State/Central Government.
- II. Selection of the candidates under Central Pool Category shall be made on the basis of merit secured in CET 2015 i.e; only those candidates shall be considered for allotment of seats under Central Pool Category who have qualified CET -2015.

## 6. FEE STRUCTURE (Tentative)

The fee structure has been furnished by the respective College authorities and the BOPEE is not in any way associated with it and has, therefore, no responsibility, if the fee is raised subsequently. The candidates are advised to enquire, in their own interest, from the College authorities the actual fee to be charged.

Note: The candidates seeking admission in BAMS in Jammu Institute of Ayurved and Research, are required to deposit refundable security amount of Rs. 10,000.00 only once for the full training course at the time of admission.

S. No.	Name of the courses	Name of the Institution	Free Seats (Govt. Seats)	Payment Seats	Seats of the children of P & B families
1.	MBBS	I) Govt. Medical College, Srinagar II) Govt. Medical College, Jammu III) Shere-e-Kashmir Institute of Medical Sciences, Soura, Srinagar IV) Achariya Shree Chandra College of Medical Sciences, Jammu	Rs. 10,000.00	Rs. 3,50,000.00 per annum	Rs. 30,000.00 per annum
2.	B.D.S	i) Govt. Dental College, Srinagar ii) Govt. Dental College, Jammu iii) Institute of Dental Science, Sehora, Jammu.	Rs. 10,000.00 per annum	Rs. 1,72,500.00 per annum	
3.	BAMS	Jammu Institute of Ayurveda and Research, Jammu		Rs. 82,500.00 Per annum	Rs. 10,000.00 per annum
4.	BUMS	Kashmir Tibbia College Hospital & Research Centre, Tengpora, Srinagar		Rs.72,000/- (including 20000/- Development fee)	Rs. 10,000.00 per annum
5.	BUMS	Institute of Asian Medical Sciences, Zakura, Srinagar.		Rs.72,000/- (including 20000/- Development fee)	Rs. 10,000.00 per annum
6.	B.P.T	Jammu College of Physiotherapy		Rs. 40,250.00 per annum	Rs. 10,000.00 per annum
7.	B.E	i) GCET Jammu			

= For candidates of J&K Board of School Education	Rs.2,410.00	
= For candidates other than J&K Board of School Education	Rs. 2,690.00	
ii) MIET, Jammu	Nil	Rs. 37,000.00
iii) SSM College of Engineering, Srinagar	Nil	Rs. 37,000.00
iv) MBS College of Engineering & Technology, Jammu	Nil	Rs. 37,000.00

## 7. ONLINE APPLICATION FORM

The Application Forms have to be **submitted online only** through BOPEE websites [www.jakbopee.org](http://www.jakbopee.org) / [www.jakbopee.net](http://www.jakbopee.net) (through URL's/ links provided for this purpose) within the prescribed date to be notified separately. The payment of rupees 1000 (Rupees one thousand only) as fee is to be made either online through the HDFC integrated Payment gateway with the help of any national Credit Card/Debit Card/Net Banking facility or by downloading online generated Bank Challan of J&K Bank/HDFC Bank for depositing the fee amount in any branch of J&K Bank or HDFC Bank directly in the BOPEE Accounts. The procedure for filing Application Form and eligibility etc of the candidates have been given in detail in the E-Brochure. The students must necessarily, in their own interest, go through this Brochure before attempting to fill up the online Application Form.

The applicants are advised to fill the online Application Forms on their own or through a responsible person. The applicants can also contact the **Help Desk** of I.T. Section of BOPEE on 8813878737/9419434133/9906778513/9697383737/9469012295 for any assistance/guidance in this regard on any working day within the last date prescribed for submitting Confirmation Page.

### Submission of Online Application Forms

i. The candidates of open merit need not to submit any Confirmation Page in the BOPEE office. However, the candidates claiming benefit of any reserved category have to submit Confirmation Page of their online Application Form along with the attested photo copy of the reserved category certificate in the office of the J&K BOPEE of Professional Entrance Examinations,(BOPEE) Srinagar/Jammu on any working day from 10 A.M. to 5 P.M within the last date prescribed for this purpose in the Admission Notification to be issued separately.

ii. The reserved category candidates , who fail to deposit their Confirmation Page of Application Form complete in all respects by or before the prescribed last date shall have to pay a late fee of Rs. 1000/- (Rupees one thousand only) through a non-refundable bank draft drawn in favour of the FA/CAO, BOPEE payable at Jammu/Srinagar or transfer the said amount in the BOPEE's HDFC Bank Account No 50100006864332 through Customized Bank Challan by or before the last date prescribed for this purpose upto 05:00 P.M. where-after no Confirmation Page will be accepted, whether submitted by hand or by post.

iii. The candidates can change/ modify their online Application Form at any time before they submit it. Once the form is submitted, the entries made therein cannot be changed. It is in the interest of the candidate to make double check before submitting the online Application Form. They are advised, in their own interest, not to share their login details with anybody, lest he/she may get an opportunity to change important details in the Application Form. They can check the status of their Application Form on the official website of the BOPEE. If any form is not confirmed for want of required information, the candidate concerned must report in the BOPEE office by or before the stipulated date fixed for this purpose in the admission notification, failing which his/her form shall be rejected.

- iv. The online application form has to be submitted as follows

NAME OF THE CANDIDATE (sample)

S	H	O	K	E	T		A	H	M	E	D		D	A	R	
---	---	---	---	---	---	--	---	---	---	---	---	--	---	---	---	--

Father's Name

A	B	D	U	L		R	A	S	H	I	D		D	A	R	
---	---	---	---	---	--	---	---	---	---	---	---	--	---	---	---	--

- v. Enter the date, month and year of birth as per English Calendar as recorded in the Matriculation Certificate. Use numerals 01 to 12 for the month, 01 to 31 for the date, and last two digits for the year.

3<sup>rd</sup> of November, 1994

1	1		0	3		9	4
---	---	--	---	---	--	---	---

10<sup>th</sup> of February, 1991

0	2		1	0		9	1
---	---	--	---	---	--	---	---

- vi. A candidate will be considered for only one reserved category for selection even if he/she has more than one reserved category and the category that will be considered will be the one whose category code has been recorded at relevant Serial No. of the Application Form. For example, if an applicant is a ward of a Police personnel (Code 17), and also hails from a Backward Area (Code 13) and belongs to Scheduled Caste too (Code 07) and he/she indicates Code. '07' at the relevant Serial No. of the Application Form, the candidate shall be considered for selection against the available seat for Scheduled Caste category only and his/her no other category will be considered.
- vii. At no stage the category option once exercised in the Application Form will be changed.

**I. Certificates to be attached**

i. The candidates have to keep ready the following documents at the time of counselling provided they figure in the list of the candidates called for counselling.

- a. Certificate of permanent residence.  
b. Marks certificate of the qualifying examination issued by the concerned Board.  
c. Matriculation or equivalent examination certificate indicating Date of Birth.

ii. The category candidates claiming benefit of any reserved category including Sports, TFW and PNB have to submit attested copy of their category certificate along with the Confirmation Page in the office of the BOPEE, Srinagar/Jammu within the prescribed date for submission of online Application Form

**INSTRUCTIONS and PROCEDURE FOR FILLING UP ONLINE APPLICATION FORM**

1. Candidate must read the instructions and procedure carefully before filling up the Online Application Form.
2. Application Form will be accepted Online ONLY.
3. Payment of Application Fee of Rs. 1000 will be through HDFC Payment Gateway integrated with the online Application Form. Candidate can make payment via any Credit Card/Debit Card/Net

Banking or or by downloading online generated Bank Challan of J&K Bank/HDFC Bank for depositing the fee amount in any branch of J&K Bank or HDFC Bank directly in the BOPEE Accounts. Please note that once an Application form is completely submitted, no changes will be allowed on the Application Form. Under any such arising situation, candidate will be required to make fresh application with a new payment of Rs. 1000.

4. After successful submission of Online Application Form, a provisional Registration Slip having Application Number and all candidate details will be generated. Candidate may take a print-out of the same and retain for future admission procedure.
5. Login to [www.jkbopee.in](http://www.jkbopee.in) to apply online. Candidate may click the link **Common Entrance Test – 2015** to apply online.
6. Before applying online, candidate must ensure he/she has scanned image of his photograph, signature and thumb-impression in JPEG/JPG format saved on the computer; candidate should also have his/her payment mode details handy. The size of the photograph should not exceed 500 Kb, and the size of signature and Thumb-impression should not exceed 200 Kb.
7. Click on the **REGISTER** button to create /initiate a fresh application.
8. Please enter the required details to generate an application number. Candidate is required to carefully note his/her application number for future reference.
9. Once Application Number is generated, candidate is required to **LOGIN** with Application Number and Date of Birth to complete the form with other details.
10. Candidate will now be directed to upload photo, signature and left thumb impression images.
11. Once successfully done, candidate will be shown his complete details as recorded. Candidate is required to thoroughly check all credentials and make corrections (if any) by pressing the **MODIFY** button.
12. Once the details are **CONFIRMED**, candidate will be directed to opt for the mode of payment. Candidate can either pay through HFDC/J& K Bank Challan or online payment though HDFC Payment Gateway.
13. Candidate can make online payment through any Credit Card/Debit Card/Net Banking. The candidate has an option of making payment through J&K or HDFC Bank Challan which will be automatically generated and the candidate has to download it. The candidate has to make payment at the Bank selected by him/her and submit BOPEE'S copy along with the Confirmation Page at the BOPEE office Srinagar/Jammu
14. Once the payment is successful, the Application Form will be generated for submission and print-out. **SUBMIT** button will need to be clicked by the candidate.
15. Candidate will need to **click the LOGOUT button** to ensure completion of the Online Application process.
16. If candidate has opted to make payment though Bank Challan, he/she will be required to submit a copy of the Registration Slip along-with copy of Bank Challan at BOP office in Jammu or Srinagar within the date mentioned in the Admission Notification issued separately

## 8. ADMIT CARD

1. No candidate shall be allowed to enter Test Centre/venue without valid Admit Card in original.

2. Admit card can be downloaded within the prescribed date. However, mere possession of admit card shall not ipso-facto confer eligibility on a candidate who is otherwise in-eligible to appear in the CET.
3. The Admit Cards will be available online. The candidates are advised to download their Admit Cards from the BOPEE official Websites (www.jakbopee.net or www.jakbopee.org or www.jkbopee.in) on photo paper printed in colour. The candidates will be informed through a separate notification regarding the date for downloading of admit cards. Applicants are therefore advised to keep themselves updated with the information on the official website.
4. Applicants, who don't have internet facility, may avail this facility at the **Help Desk** of I.T. Section of BOPEE with prior telephonic appointment, on nominal fee of Rs. 100/=, on any working day at the below mentioned BOPEE offices:
  - i. BOPEE Office, Bhagat-i-Barzullah, opposite J&K Bank, Srinagar-190005 (10 A.M. to 5 P.M.)
  - ii. BOPEE Office, 4th Floor, South Block, Bahu Plaza, Jammu-180012 (10 A.M. to 5 P.M.)
5. Candidates shall have to preserve admit cards till the allotment of seats/completion of selection/admission process.
6. Admit card is an extremely important document. It should not be mutilated, defaced or changed in any manner which makes it doubtful.

## 9. CONDUCT OF ENTRANCE EXAMINATION

- (1) CET shall consist of two (2) papers each of PCB and PCM groups. **Paper A** shall consist of Physics and Chemistry with 120 questions ( 60 questions from each subject). **Paper B** shall be Biology with 60 questions and **paper C** shall be Mathematics with 60 questions. The questions shall be multiple choice objective type with one mark each. There will be **0.25 negative marks** for each wrong answer.
- (2) The details of subject combination, total marks for each paper and time duration are as follows:
  - I.

Name of the Stream	Number of papers	Paper	Subjects	No of Questions	Time Duration
PCB& PCM	Two	A	Physics, Chemistry (Common Paper)	120	2 Hours
PCB		B	Biology	60	1 Hour
PCM		C	Mathematics	60	1 Hour

### (2) Centres of Examination

- a. The Entrance Test shall be held at the centres as may be notified by the BOPEE in the cities of Srinagar and Jammu only.
- b. Centres shall be allotted by the BOPEE and the information regarding this shall be provided to the candidates on the admit card.
- c. The Test Centre once allotted shall not be changed.
- d. The candidate(s) who may miss first paper can still appear in remaining paper(s) if he/she so wishes.

### (3) OMR Answer Sheet

- a. It shall be the sole responsibility of the candidate to check the Question Booklet before attempting to answer any question. Where a Question Booklet has any missing page, blank

page, missed question, damaged or defaced page, it shall be the responsibility of the concerned candidate to bring into the notice of the concerned Invigilator and get it replaced by a new Booklet of the same series. The Question Booklet must have 120 questions in case of paper A and 60 questions in case of Papers B and C. No complaint in this regard shall be entertained by the BOPEE after the conclusion of the examination.

- b. The OMR Sheets (Optical Mark Reader Answer Sheets) are used in order to simplify the procedure for evaluation of the Answer Sheets and also to ensure highest accuracy. Each circle on the OMR Sheet has an alphabetical or numerical value. So a small mistake in shading the round spot on the circle may cost a seat to a candidate. Each OMR Answer Sheet has candidate's carbonless copy along with it. The candidates are advised to separate the candidate's copy (carbonless) as per procedure given in the Answer Sheet and take it along after the completion of paper. They are advised to preserve carbonless copy till the counselling for the admission is over. They may be asked to produce carbonless copy of OMR Sheet at any time so it is in their interest not to destroy it.
- c. The OMR Sheets will be supplied to the candidates in the examination hall.
- d. There are few blanks in the OMR Answer Sheet, which are to be filled in carefully.
- e. Write Question Booklet Number, Booklet Series, Paper Code and Roll Number in numerical on the Box meant for this purpose and also darken the appropriate circles. In case of any difficulty, seek the assistance of the invigilating team.
- f. Write the given "certification statement" in your running handwriting in English and append your signature and left hand thumb impression at the space provided for the purpose on your OMR Sheet. This certificate is to be authenticated by the invigilator and superintendent of the examination centre.
- g. Complete the formalities and wait for the signal to start, tear and open the seal, open the Question Booklet, start reading and answering the questions.
- h. Recording wrong Roll Number. or Question Paper Series or its omission on OMR Sheet shall be done by the candidate at his/her own risk. The BOPEE shall, in no case, entertain any complaint of the candidate in this regard.
- i. Each question will be provided with four responses as (a), (b), (c), and (d). Indicate the most appropriate answer in the OMR Answer Sheet.
- j. In case you do not follow the instructions given on the back side of Answer Sheet, your Answer Sheet is likely to be rejected whenever detected.

#### For Example Q. 11

Chennai is the capital of the State of:

- |              |                   |
|--------------|-------------------|
| 1. Karnataka | 2. Tamil Nadu     |
| 3. Kerala    | 4. Andhra Pradesh |

The correct response is (2). Locate the question number in the OMR Answer Sheet and darken the circle under column (2) as shown below:

Ensure that the circle is completely darkened. Incomplete or faintly darkened circle will be rejected by the Optical Scanner and consequently no marks/negative mark will be awarded for the same.

If more than one circle is darkened or if the response is marked in any other manner as shown at "B" it shall be treated as wrong. Even where a candidate finds two options correct, he/she should darken only one circle and shading of both the options will make answer incorrect

**A**

10	①	②	③	④
11	①	●	③	④
12	①	②	③	④
13	①	②	③	④

**Correct way of answering****B**

27	○	●	○	●
28	○	○	●	○
29	○	✓	○	○
30	○	○	×	○
31	●	○	○	○

**Incorrect way of answering**

- k. In case the candidate does not follow the instruction given on the Answer Sheet, his/her Answer Sheet is likely to be rejected whenever detected.
- l. The information given in the form of numbers or alphabets in the OMR Answer Sheet must correspond with the information given in its Ovals as the machine reads Ovals and not the numbers or alphabets and in case of any variation the information given in Ovals shall be treated as final. It is, therefore, in the interest of the applicant to check the OMR Sheet meticulously before leaving the examination hall to ensure that there is no discrepancy and in case of any doubt, the assistance of the invigilating staff may be sought.

## 10. TIME SCHEDULE FOR THE CANDIDATES IN THE EXAMINATION HALL

### Day One [Paper- 'A']

Morning Session	Work Schedule
<b>10:25 A.M.</b>	Reporting time in the Examination Hall
<b>10:30 A.M.</b>	The invigilator shall ascertain the identity of each candidate by comparing his/her facial appearance with the photographs given on the admit card, and attendance sheet. The centre Superintendent shall also check the identity of the candidates and ensure that only the genuine candidates have been allowed to sit in the examination hall and there is no case of impersonation.
<b>10:45 A.M.</b>	Candidates will be given OMR Answer Sheets. They will go through instructions on the Answer Sheet.
<b>10:55 A.M.</b>	They will be given Question booklet. The Question Booklet number is to be entered on the Answer Sheet.
<b>11 A.M.</b>	They will break open the seal of the Question Booklet and start attempting the questions.
<b>1 PM</b>	Paper- A ends The candidates will remain in their seats till they hand over the Answer Sheets to the invigilator and leave the examination hall only when they are asked to do so.

### Day Two [Papers 'B' & 'C']

Morning Session [Paper 'B']	Evening Session [Paper 'C']	Work Schedule
<b>10:25 A.M.</b>	<b>1 :25 P.M.</b>	Reporting time in the Examination Hall
<b>10:30 A.M.</b>	<b>1:30 P.M.</b>	The invigilator shall ascertain the identity of each candidate by comparing his/her facial appearance with the photographs given on the admit card,

		and attendance sheet. The centre Superintendent shall also check the identity of the candidates and ensure that only the genuine candidates have been allowed to sit in the examination hall and there is no case of impersonation.
<b>10:45 A.M.</b>	<b>1:45 P.M.</b>	Candidates will be given OMR Answer Sheets. They will go through instructions on the Answer Sheet.
<b>10:55 A.M.</b>	<b>1:55 P.M.</b>	They will be given Question Booklet. The Question Booklet number is to be entered on the Answer Sheet.
<b>11 A.M.</b>	<b>2 P.M.</b>	They will break open the seal of the Question Booklet and start attempting the questions.
<b>12 Noon</b>	<b>3:00 P.M.</b>	Papers-B & C End The candidates will remain in their seats till they hand over the Answer Sheets to the invigilator and leave the examination hall only when they are asked to do so.

**Note:** After distribution of Answer Sheets, no candidate shall be allowed to go out of the examination hall under any circumstances.

## 11. DETERMINATION OF MERIT

- I The merit list for each course shall be prepared on the basis of inter-se merit of the candidates in the CET 2015 in the descending order for Open Merit Category and for each Reserved Category, separately.
- II The following qualifying marks are required for admission to MBBS course as per the J&K Reservation Rules:-
  - a. 50% marks in entrance test for open merit and Poor & Backward candidates.
  - b. 40% marks in entrance test in respect of reserved category candidates.
- III Any subsequent vacancy caused by whatsoever reason in any category, shall be filled from amongst the candidates of that particular category strictly according to merit. In the event of non-availability of eligible candidates from that reserved category, the relevant vacancies shall go to the open merit category.
- IV In case two or more candidates obtain equal merit, the inter-se-merit of such candidates shall be determined as under:
  - a. MBBS / BDS / BAMS / BUMS / Physiotherapy / allied courses.
    - i). Candidates obtaining higher marks in Biology in CET.
    - ii). Candidates obtaining higher marks in Chemistry in CET, if marks in Biology are equal.
    - iii). Candidates older in age to be preferred if points as per (1) and (2) are equal.
  - b. B.E. Courses
    - i). Candidates obtaining higher marks in Mathematics in CET.
    - ii). Candidates obtaining higher marks in Physics in CET, if marks in Mathematics are equal.
    - iii). Candidates older in age to be preferred if points as per (1) and (2) are equal
- V The BOPEE shall make the answer key available on its website in the evening on the conclusion of last meeting of the examination for students to make representation, if any.
- VI The students can make representation, if any, against any question in the question paper on the prescribed format within a period of three working days upto 4 pm after the conclusion of the Entrance Test on day two.

- VII The representations should be supported by the documentary proof, based on standard text books. The material downloaded from the Internet will not be accepted as it is uploaded without any editorial review.
- VIII No representation after the stipulated date shall be accepted because that will delay declaration of result and completion of admission process which has to be concluded within the prescribed time laid down by the Hon'ble Supreme Court and other regulatory bodies. The candidates interested in making representation should not wait for separate notification for this purpose and this information shall be deemed as notice to all the concerned candidates. The candidates must obtain a proper receipt in which number of questions represented against, the name of the paper/subject and series will be prominently mentioned. No claim of the candidates will be entertained on this count if he/she is not having receipt of the BOPEE with signature and seal.
- IX The representations shall be consolidated by the BOPEE and will be re-examined by subject experts whose opinion will be final.
- X The revised key will be uploaded on the website for general information but no representation will be entertained against revised key so that whole admission process is completed within the prescribed time scheduled and does not protract endlessly. The revised key will be applied for evaluation of all the Answer Sheets including Answer Sheets of those candidates who have not made any representation.
- XI The evaluation of the Answer Sheets is done mechanically so there is no chance of any mistake. The result declared by the machine shall be final and not open to any manual check. It has been noticed that some students make faint marks or ambiguous impressions or incomplete marks on the OMR Sheets which are scanned by the machine and the decision of the machine will be final and not subject to any manual check. It is, therefore, in the interest of the candidates to fill up OMR Sheet carefully as shown in this E- Brochure. The re-evaluation of the Answer Sheets manually, therefore, or otherwise, is not allowed as that will impinge upon the rule of equality which calls for uniform treatment given to all the candidates. However, re-totaling of marks will be allowed on written request along with a bank draft of Rs. 1000/- per subject in favour of FA/CAO, BOPEE, payable at Jammu / Srinagar. The application will be received within 05 (five) days after the declaration of result. Any application received after this date shall not be entertained.
- XII Rule 13 of the JK,BOPEE Rules 2014 lays down the procedure relating to incorrect questions which is reproduced verbatim herein below for the benefit of the candidates.

**“13. Deletion of invalid questions and methodology in evaluating such questions:** If during the course of examination / after the completion of examination but before final stage of evaluation, any question is reported to be admittedly wrong or has wrong options/ more than four options or has all options correct or is having a major printing error in questions/options, such of the questions shall not be evaluated for declaration of results. However, where two answers to a question are correct, the candidates attempting any one of the questions will be awarded marks”

## **12. DECLARATION OF RESULT**

The declaration of credible result free from errors is possible only when the persons involved with processing and evaluation of the OMR Sheets get minimum required time. The students are advised to remain patient and every effort will be made to declare the result at the earliest but only after the representations are thoroughly examined by the subject experts.

## **13. COUNSELLING FOR ALLOTMENT OF DISCIPLINE/INSTITUTION**

The candidates, at times, take counselling very lightly and do not join the allotted streams / Institutions of their choice exercised by them during counselling which leads to repeated rounds of counselling, thus delaying the admission process abnormally. Hence, they are advised to participate in counselling process seriously.

- i. Counselling is an extremely important component in the process of selection which affords the candidates an opportunity of indicating their choices/ preferences about allotment of disciplines / institutions. The candidates should make a realistic assessment of the streams which they are likely to get and should exercise options accordingly during counselling on the option from given in [Annexure-VI](#). The candidates must come for counselling along with all documents in original, admit card and a non refundable bank draft of Rs. 1000/- in favour of FA/CAO, BOPEE. The fees can also be paid through swap machine available at BOPEE office, Srinagar/Jammu. However, in exceptional cases, where the BOPEE is satisfied on the basis of documentary proof that the applicant is an orphan or is living in an abject poverty, the fee charged may be refunded if he/she fails to take admission due to some unavoidable reasons beyond his/her control.
- ii. Where a candidate decides in the counselling hall to withdraw his/her counselling form, he /she is entitled to refund of full amount of rupees 1000 but not the late fee which he/she may have paid due to missed admission or missed counselling. Withdrawal from counselling is allowed only from first round of counselling.
- iii. The candidates should indicate clearly multiple choices of disciplines / institutions in the counselling form which they want to join in order of preference. For example, if a candidate indicates his options in the following manner:
  - a) MBBS-GMC Jammu
  - b) BDS ,GDC Jammu
  - c) MBBS- GMC Srinagar
  - d) MBBS- SKIMS, Srinagar
  - e) BDS, GDC Srinagar
  - f) MBBS-ASCOMS, JammuSuch a candidate will be first considered for allotment of MBBS - GMC-Jammu. If on merit, the candidate does not qualify for allotment of such a seat, or no seat is available at his or her turn he/she can then be considered for allotment of BDS at GDC-Jammu, then for MBBS in GMC, Srinagar, then MBBS- SKIMS, Srinagar ,then BDS in GDC Srinagar, and finally for MBBS in ASCOMS. If a candidate is interested in private MBBS as against BDS in Govt Dental College, he/ she must indicate choice of private MBBS ahead of Govt. BDS
- iv. The selection will be recommended strictly on the basis of merit of eligible candidates determined by the rank obtained in the entrance examination. Allotment of streams / institutions shall be made through counselling. The candidates will be called for counselling one after the other in order of rank for allotment of discipline / institution. Rank wise counselling schedule will be published in two leading English newspapers of the State, three days prior to the date of commencement of the counselling process. It will be also available on the official website of BOPEE. However, this process is subject to the change which the BOPEE may deem proper.

- v. No separate intimation will be sent to individual candidates for appearing in counselling sessions.
- vi. The candidates have to appear personally for counselling. If, however, for some unavoidable reasons, it is not possible for a candidate to appear personally, he / she may send his / her duly authorised representative with admit card, bank draft, original documents, undertaking and authority letter to the effect that allotment made on the basis of choices indicated by such representative shall be binding on him/ her. Formats of an undertaking and authority letter are given in **Annexure-V**.
- vii. Where a candidate or his/her representative fails to appear for counselling on the specified date but intends to appear on the next date or any date during subsequent notified counselling schedule, he/she will be allowed to participate in such counselling after furnishing satisfactory justification in writing for such a failure along with a Bank Draft of Rs. 1750/- (non refundable Rs. 1000/- for counseling and for Rs. 750 for failure to attend earlier counselling) drawn in favour of FA/CAO, BOPEE Srinagar/ Jammu and he/she will be considered for the allotment of course/stream/institution available at that point of time on merit. Such candidate shall be required to furnish an undertaking to the effect that he/she voluntarily accepts the available stream/ institution at the time of his/her turn of counselling.
- viii. Where a candidate fails to complete admission formalities within the stipulated time but intends to appear on any date during subsequent notified date of counselling, he/she will be allowed to participate in such counselling after furnishing satisfactory justification in writing for such a failure along with a Bank Draft of Rs. 1750/- (non-refundable) drawn in favour of FA/CAO, BOPEE Srinagar/ Jammu and he/she will be considered for the allotment of course/stream/institution available at that point of time on merit. Such candidate shall be required to furnish an undertaking to the effect that they voluntarily accept the available stream/ institution at the time of his/her turn of counselling.
- ix. Where a candidate has been kept in the waiting list but his/her seat is not confirmed, he/she is entitled to refund of counselling fee of Rs 1000 or 1750 as the case may be .
- x. Where a candidate or his authorized representative fails to appear for counselling at the time of his/her turn of counselling, his/her seat shall be allotted to the next candidate in order of merit and if the candidate, who has missed the counselling, appears after wards in the counselling on the same or some other day, he/ she shall be allotted the seat available at that time. **The candidates are advised , in their own interest, not to miss counselling, lest they may lose the seat of their choice which they have earn by their sheer hard labour.**
- xi. Candidates shall have to join the course after allotment of streams/ institutions within the specified time period. Where a candidate does not join the course within the period so prescribed, his/her seat shall automatically stand cancelled and the same shall be filled up as a vacant seat.
- xii. The short fall, if any, of the students received by the BOPEE from different colleges after first round of counselling shall be filled up in another round of counselling as per the merit and availability of seat.
- xiii. Where a candidate is allotted a seat in the upgradation counselling, his/ her left over seat will be allotted to another candidate in order of merit.
- xiv. Where a candidate fails to join the course/ Institution allotted to him/her in second round of counselling, the seat allotted to him/her in the previous round of counselling will get

automatically cancelled. He /she shall have no claim on the seat. However, he/she is eligible to appear in counselling held subsequently.

- xv. The residual seats, which will become available after second round of counselling, will be allotted in the third round and so on.
- xvi. Where the number of the candidates, who turn for counselling, is more than the seats available, then a waiting list will be prepared. The waiting list will operate after receiving a list of vacant seats from the respective Colleges.
- xvii. The candidates may be kept in the waiting list and the number of the candidates to be kept in the waiting list will be decided by the BOPEE on spot. This whole process is subject to the changes as the BOPEE deems proper.
- xviii. The number of the candidates to be called for counselling will be decided by the BOPEE keeping in view the response of the candidates to a particular course.
- xix. The decision of the BOPEE concerning allotment of streams and institutions shall be final. Choices of streams / institutions once exercised shall not be allowed to be changed subsequently.
- xx. Admission to MBBS / BDS courses shall be completed by 30<sup>th</sup> September 2015 and for BAMS/ BUMS and B. P. T. courses the admission process will close on 31<sup>st</sup> October 2015. In case of engineering courses, the admission process will close on August 15, 2015. Thereafter no admission will be made to any of these courses even if any seat remains vacant.
- xxi. Where a candidate does not get seat of his/her choice at his/her turn of counselling, /he/she shall be placed in the waiting list if he/she so indicates in the counselling form. The waiting list will operate immediately after the expiry of the last date mentioned in the selection list and after receiving short fall from the Colleges. The candidates in the waiting list shall have to report in the concerned College. Their reporting time is 10 am to 2 pm and there after the College authorities shall operate the waiting list strictly according to the merit. If the candidate with higher merit fails to report within the stipulated time, he/she shall forfeit his/her right of admission. However, this process is subject to change as the BOPEE deems proper.
- xxii. It is quite possible that a candidate may not find seat of his/her choice available at the time of his /her turn in second round of counselling but a seat may become vacant subsequently. It is, therefore, in the interest of the candidates to remain available outside counselling room and keep watching monitor on which seat matrix is constantly updated. As and when seat of the choice of such candidate becomes available he/ she should immediately report in the counselling hall. The interested candidates are also advised to visit website of BOPEE every evening or next day in the morning (during counselling days) where latest seat matrix is displayed. This holds true for already counseled students who may find seat of their choice available and may get that because of their higher merit for which they shall have to report early in the next morning at 10 am so that such candidates can be considered in order of merit before the counselling starts for fresh candidates.

**NOTE-1:-**

Every effort will be made to ensure that the candidate with higher merit gets seat of his/ her choice if available. However, this is possible only when every student reports in time and follows

instructions scrupulously, failing which the student who reports in time but is with lower merit may get seat more in demand than the candidate with higher merit who does not report in time for which BOPEE will not be in any way responsible.

**NOTE-2:-**

The CET candidates can be considered for admission to three year Diploma in Polytechnic courses on the basis of their rank secured in CET, if the seats are available and they make representation to the BOPEE well before the cutoff date for admission to engineering courses set by the Hon'ble Supreme Court.

**14.SYLLABUS FOR COMMON ENTRANCE TEST -2015**

*Note: The marks distribution given in the syllabus is only illustrative. It will not accrue any right to the candidate, if this distribution of marks is not strictly reflected in the question paper.*

## PHYSICS

**UNIT 1: PHYSICAL WORLD AND MEASUREMENT**

**(Marks: 02)**

S I units, Fundamental and derived units. Accuracy and precision of measuring instruments, Errors in measurement, Significant figures. Dimensions of Physical quantities, dimensional analysis and its applications.

**UNIT 2: KINEMATICS**

**(Marks: 03)**

Motion in a straight line: Position-time graph, speed and velocity. Elementary concepts of differentiation and integration for describing motion. Uniform and non-uniform motion, average speed and instantaneous velocity. Uniformly accelerated motion, velocity-time graph, position-time graphs, relations for uniformly accelerated motion, (graphical treatment and calculus approach). Scalar and Vector quantities, addition and Subtraction of vectors, general Vector and notation, Relative Velocity. Scalar and Vector products of two vectors with properties, Unit Vector, Resolution of a Vector in plane rectangular components, Motion in a plane, Projectile Motion.

**UNIT 3: LAWS OF MOTION**

**(Marks: 02)**

Concept of force and Inertia, Newton's First Law of motion; Momentum and Newton's Second Law of motion, Impulse; Newton's Third Law of motion. Law of conservation of linear momentum and its applications, Equilibrium of concurrent forces. Friction, static and kinetic friction, laws of friction, rolling friction.

Dynamics of uniform circular motion: Centripetal force and examples of circular motion (vehicle on level circular road, vehicle on banked road.)

**UNIT 4: WORK, ENERGY AND POWER**

**(Marks: 02)**

Concept of scalar products of vectors, Work done by a constant force and variable force; kinetic energy, work energy theorem, power. Potential energy, Potential energy of spring, conservative forces, conservation of mechanical energy (K.E. and P.E.), non-conservative forces; Elastic and inelastic collisions in one and two dimensions.

**UNIT 5: MOTION OF SYSTEM OF PARTICLES AND RIGID BODY**

**(Marks: 02)**

Centre of mass of a two-particle system, Centre of mass of a rigid body; Concepts of vector product of vectors: moment of a force, torque, angular momentum, conservation of angular momentum with some examples. Moment of inertia, radius of

gyration. Values of moment of inertia for simple geometric objects (no derivation), statement of parallel and perpendicular axes theorems and their applications. Rigid body rotation and equations of rotational motion.

#### **UNIT 6: GRAVITATION**

**(Marks: 02)**

The universal law of gravitation. Acceleration due to gravity and its variation with altitude, depth and shape, Kepler's laws of planetary motion. Gravitational potential; gravitational potential energy. Escape velocity. Orbital velocity of satellite. Geo-stationary satellites.

#### **UNIT 7: PROPERTIES OF BULK MATTER**

**(Marks: 02)**

Elastic behavior, Stress-strain relationship. Hooke's Law, Young's modulus, bulk modulus, shear modulus of rigidity. Pressure due to a fluid column; Pascal's law and its applications (hydraulic lift and hydraulic brakes) Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, Reynolds number. Bernoulli's theorem and its applications Surface energy and surface tension, angle of contact, applications of surface tension – ideas to drops, bubbles and capillary rise. Heat, temperature, thermal expansion; specific heat, calorimetry; change of state-latent heat. Heat transfer-conduction, convection and radiation, Newton's law of cooling.

#### **UNIT 8: THERMODYNAMICS**

**(Marks: 02)**

Thermal equilibrium and definition of temperature (zeroth law of thermodynamics),. Heat work and internal energy. First law of thermodynamics. Second law of thermodynamics: reversible and irreversible processes. Heat engines and refrigerators (concept only)

#### **UNIT 9: BEHAVIOUR OF PERFECT GAS AND KINETIC THEORY**

**(Marks: 02)**

Equation of state of a perfect gas, work done on compressing a gas. Kinetic theory of gases – assumptions, concept of pressure. Kinetic energy and temperature: rms speed of gas molecules; Degrees of freedom, Law of equipartition of energy (Statement only) and applications to specific heat capacities of gases; concept of Mean free path, Avagadro's number.

#### **UNIT 10: OSCILLATIONS AND WAVES**

**(Marks: 04)**

Periodic motion – Period, frequency, displacement as a function of time. Periodic functions. Simple harmonic motion (S.H.M.) and its equation; phase; oscillations of a spring-restoring force and force constant; energy in S.H.M. – kinetic and potential energies; Simple pendulum-derivation of expression for its time period; Free, forced and damped oscillations, resonance. Wave motion. Longitudinal and transverse waves, speed of a wave. Displacement relation for a progressive wave. Principle of superposition of waves, reflection of waves, Standing waves in strings and organ pipes, fundamental mode and harmonics, Beats, Doppler effect.

#### **UNIT 11: ELECTROSTATICS**

**(Marks: 04)**

Electric charges: Conservation of charge, Coulomb's law-forces between two point charges, forces between multiple charges; superposition principle and continuous charge distribution. Electric field: Electric field due to a point charge, Electric field lines, Electric dipole, Electric field due to a dipole, Torque on a dipole in uniform electric field. Electric flux, Statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside). Electric potential, electric potential due to a point charge, a dipole and system of charges; Equipotential surfaces, Electrical potential energy of a system of two point charges and of electric dipole in an electrostatic field. Conductors and insulators, Dielectrics and electric polarization, capacitor and capacitance, combination of capacitors in series and in parallel, capacitance of parallel plate capacitor with and without dielectric medium between the plates, Energy stored in a capacitor. Van de Graff generator.

#### **UNIT 12: CURRENT ELECTRICITY**

**(Marks: 04)**

Electric current, Drift velocity, Ohm's law, Electrical resistance, V-I characteristics (linear & non-linear), Electrical energy and power, Electrical resistivity and conductivity, Carbon resistors, Colour code for carbon resistors; Temperature dependence of resistance. Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel. Kirchhoff's laws and their applications. Wheatstone bridge, Metre bridge. Potentiometer – principle and its application to measure the potential difference and for comparing e.m.f. of two cells; measurement of internal resistance of a cell.

**UNIT 13: MAGNETIC EFFECTS OF CURRENT AND MAGNETISM****(Marks: 05)**

Biot – Savart law and its application to current carrying circular loop. Ampere’s law and its applications to infinitely long current carrying straight wire, straight and toroidal solenoids. Force on moving charge in uniform magnetic and electric fields. Cyclotron. Force on a current-carrying conductor in a uniform magnetic field. Force between two parallel current-carrying conductors-definition of ampere. Torque experienced by a current loop in uniform magnetic field; Moving coil galvanometer, its current sensitivity and conversion with examples. Current loop as a magnetic dipole and its magnetic dipole moment, magnetic field lines; Earth’s magnetic field and magnetic elements. Para-, dia- and ferro-magnetic substances with examples. Electromagnets and factors affecting their strength, permanent magnets.

**UNIT 14: ELECTROMAGNETIC INDUCTION AND ALT. CURRENTS****(Marks: 04)**

Electromagnetic induction: Faraday’s law, induced emf and current; Lenz’s Law. Eddy currents. Self and mutual inductance. Alternating currents, peak and rms value of alternating current/voltage; reactance and impedance; LC oscillations (qualitative treatment only) & LCR circuits series, resonance; power in AC circuits, wattless current. AC generators and transformer.

**UNIT 15: ELECTROMAGNETIC WAVES****(Marks: 02)**

Electromagnetic waves and their characteristics. Transverse nature of electromagnetic waves. Electromagnetic spectrum (radio waves, microwaves, infrared, visible, ultraviolet, Xrays, gamma rays) including elementary facts about their uses.

**UNIT 16: OPTICS****(Marks: 07)**

Ray optics-Reflection of light, spherical mirrors, mirror formula, refraction of light-Total internal reflection and its applications, Refraction at spherical surfaces, lenses, thin lens formula, Lens-makers Formula, Magnification, Power of a Lens. Combination of thin lenses in contact, Microscope and Astronomical Telescope (reflecting and refracting) and their magnifying powers. Wave optics: wave front and Huygens’ principle, reflection and refraction of plane wave at a plane surface using wave fronts. Proofs of laws of reflection and refraction using Huygen’s principle. Interferences, Young’s double slit experiment and expression for fringe width, coherent sources and sustained interference of light. Diffraction due to a single slit, width of central maximum. Resolving power of microscopes and astronomical telescopes, Polarisation, plane polarized light; Brewster’s law, uses of plane polarized light and Polaroid’s.

**UNIT 17: DUAL NATURE OF MATTER AND RADIATION****(Marks: 02)**

Dual nature of radiation. Photoelectric effect, Hertz and Lenard’s observations; Einstein’s photoelectric equation; particle nature of light. Matter waves-wave nature of particle, de Broglie relation. Davission-Germer experiment.

**UNIT 18: ATOMS AND NUCLEI****(Marks: 03)**

Alpha-particle scattering experiment; Rutherford’s model of atom; Bohr’s model of atom, energy levels, hydrogen spectrum. Composition and size of nucleus, atomic masses, isotopes, isobars; isotones. Radioactivity-alpha, beta and gamma particles/rays and their properties; radioactive decay law. Mass-energy relation, mass defect; binding energy per nucleon and its variation with mass number, nuclear fission and fusion.

**UNIT 19: ELECTRONIC DEVICES****(Marks: 04)**

Quantitative ideas on Energy bands in solids, conductors, insulators and semiconductors. Semiconductors; Semiconductor diode: I-V characteristics in forward and reverse bias; diode as a rectifier; I-V characteristics of LED, photodiode, solar cell and Zener diode; Zener diode as a voltage regulator. Junction transistor and its action, characteristics of a transistor; transistor as an amplifier (common emitter configuration) and oscillator. Logic gates (OR, AND, NOT) concept of NAND and NOR gates. Transistor as a switch.

**UNIT 20: COMMUNICATION SYSTEM****(Marks: 02)**

Basic elements of communication system (block diagram only), Bandwidth of signals (speech, TV and digital data); Bandwidth of Transmission medium, Propagation of electromagnetic waves in the atmosphere, sky and space wave propagation. Need for modulation: Production and detection of an amplitude modulated wave.

# CHEMISTRY

**UNIT 1: CHEMICAL ARITHMETIC & ATOMIC STRUCTURE****(Marks: 03)**

Laws of chemical combination, Mole concept (numericals) Percentage composition, Chemical reactions, Stoichiometry and calculations based on stoichiometry.

Atomic structure:- Bohr's model of Hydrogen atom, Quantum numbers, Pauli's exclusion principle, Hund's rule and Aufbau principle. Heisenberg's uncertainty principle, de-Broglie wave equation and its significance.

## **UNIT 2: CHEMICAL EQUILIBRIUM**

**(Marks: 04)**

Law of mass action, Le-Chatelier's principle, and its application to physical and chemical equilibria. Ionisation of weak electrolytes (Ostwald's dilution law)

Acids and bases: Acid base equilibria. Bronsted-Lowry and Lewis concept, of acids and bases. Ionic product of water. pH and pOH scales, pKa & pKb values, Solubility product, Buffer solutions Common ion effect, Hydrolysis of salts

## **UNIT 3: CHEMICAL KINETICS**

**(Marks: 02)**

Rate of chemical reaction, Average and instantaneous rate, Factors effecting rate of reaction, Order and molecularity of reaction, Integrated rate equation and Half-life period (for zero and first order) reaction, Activation energy and Arrhenius equation.

## **UNIT 4: SOLUTIONS**

**(Marks: 02)**

Vapour pressure, Raoult's law, Ideal and Non-ideal solutions, Colligative properties.

Determination of molecular mass of non-volatile solutes through colligative properties.

Abnormal molecular masses and Van't Hoff Factor.

## **UNIT 5: CHEMICAL THERMODYNAMICS**

**(Marks: 04)**

Energy changes taking place during chemical reactions, Internal Energy and Enthalpy changes, Enthalpy of combustion, Solution and Neutralization.

Hess's Law (Numerical problems) Laws of thermodynamics-first, second & third, Concepts of Entropy and Free energy, Spontaneity of a chemical reaction and Thermodynamic equilibrium.

## **UNIT 6: REDOX REACTIONS AND ELECTROCHEMISTRY**

**(Marks: 03)**

Dependence of electrode and cell potential on concentration (Nernst Equation), Electrode potential as a criteria for product formation in electrolysis. E.M.F. of Galvanic cell, Relationship between free energy change and E.M.F. of a cell. Definition and units of Equivalent, Molar and Specific conductivity.

## **UNIT 7: SOLID STATE & STATES OF MATTER**

**(Marks: 04)**

Boyle's Law, Charle's law, Dalton's law of partial pressure, Graham's law of diffusion of gases.

Causes of deviation from ideal behaviour, ideal gas equation and nature of 'R', Vander Waal's equation, surface tension and viscosity of liquids.

Crystalline and amorphous solids, Crystal lattice, Crystal types, Packing efficiency, calculation of density of unit cell, Number of atoms per unit cell in a cubic cell. Co-ordination number, Stoichiometric defects: Schottky, Frenkel and interstitial.

Properties of solids: Electrical, Magnetic & Dielectric.

## **UNIT 8: SURFACE CHEMISTRY**

**(Marks: 02)**

Freundlich Adsorption isotherm, preparation of colloidal solutions by physical and chemical method. Electrical properties (cataphoresis, electroosmosis, coagulation and protective colloids) Homogeneous and Heterogeneous Catalysis.

## **UNIT 9: PERIODIC PROPERTIES**

**(Marks: 02)**

Classification of elements as s, p, d, and f block elements. Variation of Ionization energy, Electron affinity, Electronegativity, Atomic and Ionic radii along the period and down the group in the periodic table.

## **UNIT 10: CHEMICAL BONDING AND MOLECULAR STRUCTURE**

**(Marks: 04)**

Types of chemical bonds, Ionic & covalent bonds, Bond parameters, Quantum theory of covalent bond, pi and sigma bonds, Hybridization involving s, p and d-orbitals, Dipole moments and hydrogen bond.

VSEPR: Shapes of simple molecules ( H<sub>2</sub>O, NH<sub>3</sub>, SO<sub>2</sub>, CO<sub>2</sub>, PCl<sub>3</sub>, PCl<sub>5</sub>, ClF<sub>3</sub>, BF<sub>3</sub>, SF<sub>4</sub>, XeF<sub>2</sub>, XeF<sub>4</sub> ).

Molecular orbital theory: Energy Levels and M.O. diagrams of H<sub>2</sub>, H<sub>2</sub><sup>+</sup>, He<sub>2</sub>, O<sub>2</sub>, O<sub>2</sub><sup>1-</sup>, O<sub>2</sub><sup>2-</sup> & F<sub>2</sub>.

Bond order and its significance.

## **UNIT 11: CHEMISTRY OF REPRESENTATIVE ELEMENTS**

**(Marks: 04)**

**S and P Block Elements:** Electron configuration, Oxidation states and trends in various properties like ionization energy, electron affinity, atomic radii, electronegativity and diagonal relationship.

**Alkali metals:** Hydration of ions, action with ammonia, flame colouration, solubility of hydroxides, carbonates and sulphates.

**Alkaline Earth Metals:** Solubility of carbonates, hydroxides and sulphates.

**Boron Family:** Structure of halides, relative acid strength of trihalides of boron.

**Carbon family:** Hydrides and oxides.

**Nitrogen family:** Oxides of Nitrogen and Phosphorous, reducing nature, basic strength and boiling points of their halides.

**Oxygen family:** volatility, thermal stability, acid character, reducing character and bond angles of their hydrides, oxyacids of sulphur.

**Halogen family:** Bond energy, colour and oxidizing power, boiling point, acid strength and dipole moment, thermal stability, reducing power of hydracids, relative acidity and oxidizing power of oxyacids of halogens.

#### **UNIT 12: TRANSITION ELEMENTS INCLUDING LANTHANOIDES**

**(Marks: 02)**

Electron configuration, Oxidation states, Colour, and Magnetic properties.

Oxides of Vanadium, Chromium and Manganese Alloys of Copper, Silver and Iron.

Metallurgy of Iron, Copper and Zinc.

#### **UNIT 13: CO-ORDINATION CHEMISTRY**

**(Marks: 04)**

Introduction, Ligands, Co-ordination Number, IUPAC Nomenclature.

Bonding theories: Werner's, VBT and CFT.

Isomerism in Co-ordination compounds (Ionization, Linkage, Hydrate, Geometrical and Optical).

Applications of Co-ordination complexes in Biology, Medicine and Analytical Chemistry.

#### **UNIT 14: NOMENCLATURE AND BASIC CONCEPTS IN ORGANIC CHEMISTRY (Marks: 03)**

Nomenclature of organic compounds (monofunctional and polyfunctional groups), inductive, electromeric resonance and hyperconjugation effects, reaction intermediates, carbocations, carbanions and free radicals with their general stability order, types of organic reactions (addition, substitution, elimination and redox reactions), aromaticity on the basis of Huckel rule. Ortho, meta and para directing groups.

#### **UNIT 15: HYDROCARBONS**

**(Marks: 03)**

Structural isomerism in alkanes, alkenes, alkynes and arenes, stereoisomerism: geometrical and optical isomerism, chirality, origin of chirality, specific rotation, racemisation and resolution, conformations in ethane and cyclohexane, relative configuration (D,L-Nomenclature), absolute (R and S system of nomenclature).

#### **UNIT 16: ORGANIC CHEMISTRY BASED ON FUNCTIONAL GROUP-I**

**(Marks: 02)**

Haloalkanes, haloarenes, alcohols and phenols: General methods of preparation and properties. Chloroform and Iodoform.

#### **UNIT 17: ORGANIC CHEMISTRY BASED ON FUNCTION GROUP-II**

**(Marks: 03)**

Ethers, Aldehydes, Ketones, Monocarboxylic acids: General methods of preparation and properties. Derivatives of monocarboxylic acids like acid halides, acid anhydrides acid amides and esters.

Relative strength of carboxylic acids

#### **UNIT 18: ORGANIC CHEMISTRY BASED ON FUNCTIONAL GROUP-III**

**(Marks: 03)**

Cyanides, Isocyanides, Nitrocompounds and Amines: General methods of preparation and properties. Relative basic character of amines.

#### **UNIT 19: MOLECULES OF LIFE**

**(Marks: 03)**

Carbohydrates: Definition, Classification, Mutarotation, Structure of Amino-acids, Peptides and Proteins (Molish and ninhydrin tests). Classification and uses of vitamins. Chemicals in medicine and health care, Dyes and drugs. Chemical reactions in atmosphere, ozone depletion and its effects. Acid rain, Green House effect & Global warming.

#### **UNIT 20: POLYMERS**

**(Marks: 03)**

Introduction, Classification, Methods of Polymerisation (Addition, Condensation, Free Radical, Cationic & Anionic).

Natural & Synthetic Polymers: Polythene, Nylon, Polyster, Bakelite and Rubber.

Biodegradable and Non-Biodegradable Polymers.

# BIOLOGY

## UNIT-1: DIVERSITY AND CLASSIFICATION OF PLANTS

(Marks: 03)

Systematics—need and history; Salient features of two and five kingdom systems and their merits and demerits; types of classifications (artificial, natural and phylogenetic); General characters of algae, fungi, bryophytes, pteridophytes, gymnosperms and angiosperms; Status of some acellular organisms like viruses and viroids;; Lichens---basic characteristics. Botanical gardens and herbarium.

## UNIT-2: MORPHOLOGY AND ANATOMY OF PLANTS

(Marks: 03)

Morphology of root, stem and leaf and their modifications; types of inflorescence, flower, fruit and seed. Description of Liliaceae, Fabaceae and Solanaceae. Tissues and tissue system: Types of tissues (meristematic and permanent). Anatomy of dicot and monocot root, stem and leaves; secondary growth.

## UNIT-3: PLANT PHYSIOLOGY

(Marks: 07)

Transport in plants: Mechanisms of transport—diffusion, facilitated diffusion, passive and active transport, antiport and symport. Plant water relations: Water potential; osmosis; plasmolysis; imbibition; long distance transport of water; apoplast, symplast pathways; ascent of sap; root pressure theory, transpirational pull theory and cohesion-tension theory. Transpiration: mechanism of opening and closing of stomata, guttation; phloem transport (Mass Flow hypothesis), diffusion of gases. Mineral Nutrition: Essential Minerals; macro and micro nutrients—their role and deficiency symptoms and mineral toxicity. Mechanism of nutrient uptake by plants from soil. Hydroponics. Nitrogen metabolism—nitrogen cycle, nitrogen fixation. Photosynthesis: site of photosynthesis; various photosynthetic pigments; mechanism of light reaction; photophosphorylation (cyclic and non-cyclic); Dark reaction-fixation of carbon dioxide (C3 cycle, C4 cycle); factors affecting photosynthesis; photorespiration. Respiration: Exchange of gases, cellular respiration; glycolysis, Krebs cycle, Electron Transport System; Aerobic and anaerobic respiration; respiratory quotient. Growth and Development: Characteristics and phases of plant growth; growth curve; differentiation, dedifferentiation and redifferentiation; plant growth regulators-discovery, nature and physiological effects of auxins, gibberellins, cytokinins, ethylene and abscisic acid. Photoperiodism and vernalisation.

## UNIT-4: REPRODUCTION IN FLOWERING PLANTS

(Marks: 04)

Modes of reproduction in flowering plants (Vegetative, asexual, sexual and micropropagation); development of male and female gametophytes; Pollination—types, agencies and examples; in-breeding and out-breeding devices, pollen-pistil interaction; double fertilization; post-fertilization events; development of endosperm, embryo, seed and fruit; apomixis and polyembryony—types and importance.

## UNIT-5: GENETICS

(Marks: 05)

Heredity and variation (somatic and germinal); Mendel's laws of inheritance; deviations from Mendelism; incomplete dominance; co-dominance; multiple alleles; pleiotropy; Polygenic Inheritance; Chromosomal Theory of Inheritance. Evidence for DNA as genetic material; structure of DNA and RNA; DNA packaging; DNA replication; Protein synthesis—transcription, translation, genetic code; gene expression and regulation (lac-operon).

## UNIT-6: ECOLOGY AND ENVIRONMENT

(Marks: 05)

Meaning of ecology, community, niche. Population and ecological adaptations: Characteristics of populations natality, fecundity & mortality, age distribution; population interactions, competition, predation, parasitism and mutualism. Ecosystems: Biotic and abiotic components; energy flow, nutrient cycling (carbon and phosphorus), decomposition and primary productivity; pyramids of number, biomass and energy; ecological succession types. Food chain and food web. Biodiversity and its conservation: threats to biodiversity; megabiodiversity countries and biodiversity hotspots; IUCN threat categories; in situ and ex situ methods of biodiversity conservation. Environmental issues: Causes and consequences of air and water pollution and their control; solid waste management; agrochemicals and their effect; greenhouse effect and global warming; stratospheric ozone layer depletion—causes and consequences.

## UNIT- 7: BIOLOGY AND HUMAN WELFARE

(Marks: 03)

Plant breeding: Introduction, steps in plant breeding and application of plant breeding; Biofortification, Tissue culture: Cellular totipotency; technique and application of tissue culture Microbes in human welfare: Role of microbes in food processing; industrial production; sewage treatment; energy production (biogas); biopesticides and biofertilizers . Genetically Modified Organisms (GMOs); Bt crops, biopiracy and patents.

**UNIT-8: DIVERSITY IN THE LIVING WORLD****(Marks: 02)**

Characteristic features of living organisms Salient features of different animal phyla (non-chordates upto phylum level, chordates upto class level) National parks of India with special reference to J&K State:- Dachigam National Park, Hemis High altitude National park and Kishtwar High altitude National park.

**UNIT-9: HISTOLOGY & MORPHOLOGY****(Marks: 02)**

Animal Tissues:- Epithelial, Connective, Muscular and Nervous.

Elementary knowledge on morphology & anatomy of Frog, Earthworm and Cockroach.

**UNIT-10: CELL-STRUCTURE & FUNCTION****(Marks: 04)**

Modern cell theory, Prokaryotic and eukaryotic cells, cell wall, cell membrane :- structure & function (fluid mosaic model). Cell organelles (Plastids, Mitochondria, Endoplasmic reticulum, Golgi bodies/ dictyosomes, Ribosomes, Lysosomes, Nucleus, Vacuoles, Centrioles, cilia & Flagella) **Cell division:** Cell cycle, Mitosis and Meiosis **Bio molecules:** Structure and function of carbohydrates, proteins, lipids and nucleic acids. Primary and secondary metabolites. Metabolism **Enzymes:** Types, properties functions and factors controlling enzyme activity.

**UNIT-11: HUMAN PHYSIOLOGY****(Marks: 08)**

Alimentary canal, digestion and absorption of food, disorders of digestive system (jaundice, vomiting, diarrhea, constipation, indigestion etc.) Respiratory organs, mechanism of breathing, respiratory volumes and capacities, transport of gases (oxygen and carbon dioxide), disorders of respiratory system (asthma, emphysema, fibrosis etc.) Circulatory system:- Blood & lymph and their functions, blood groups, coagulation of blood, human heart, cardiac cycle, ECG, double circulation, disorders of circulatory system. (hypertension, coronary artery disease, angina, heart failure). Excretory products and their elimination. Modes of Excretion; Ammonotelism, Urotelism and Uricotelism. Human excretory system, urine formation, functions of tubules, mechanism of concentration of the filtrate, regulation of kidney function, micturition, role of other organs in excretion (lungs, liver and skin), haemodialysis and peritoneal dialysis, disorders of the excretory system (kidney failure, glomerulonephritis, renal calculi) Types of movement (amoeboid, ciliary and muscular), different types of muscles, structure of contractile proteins (actin and myosin), mechanism of muscle contraction, joints, disorders of muscular and skeletal system (Myasthenia gravis, muscular dystrophy, tetany, arthritis, gout, osteoporosis) Human nervous system, neuron as a structural and functional unit of nervous system, generation and conduction of nerve impulse, transmission of impulses, reflex action and reflex arc, structure and functioning of the sense organs (eye and ear) Endocrine glands, Mechanism of hormone action, hormones of heart, kidney and gastrointestinal tract.

**UNIT-12: REPRODUCTION****(Marks: 06)**

Asexual reproduction:- Characteristics and types of asexual reproduction (binary fission, sporulation, budding, gemmules, fragmentation, regeneration). Human reproduction:- male and female reproductive system, microscopic anatomy of testis and ovary, spermatogenesis and oogenesis, menstrual cycle, fertilization, embryo development upto blastocyst formation, implantation, pregnancy and placenta formation, parturition and lactation Reproductive health:- need for reproductive health, sexually transmitted diseases and their control and prevention. Birth control :- its need and methods, contraception and medical termination of pregnancy (MPT), amniocentesis, infertility and associated reproductive technologies (IVF, ZIFT, GIFT).

**UNIT-13: GENETICS AND EVOLUTION****(Marks: 03)**

Sex determination in humans, birds and honey bee. Inheritance pattern of Mendelian disorders in humans (colour blindness, haemophilia, cystic fibrosis, sickle-cell anaemia, phenylketonuria, thalassaemia) Chromosomal disorders in humans:- Down's syndrome, Turner's syndrome and Klinefelter's syndrome Genome and human genome project. DNA fingerprinting. Origin of life, theories and evidences for evolution with special reference to Darwinian theory, and Modern synthetic theory, Hardy-Weinberg principle, Adaptive radiation. Origin and evolution of man.

**UNIT-14: BIOLOGY AND HUMAN WELFARE****(Marks: 03)**

Health and Diseases:- basic concepts of immunology, vaccines, common diseases in human beings (their causative agents, symptoms, prevention and control) with reference to typhoid, hepatitis, malaria, filariasis, bubonic plague, ascariasis, common cold, amoebiasis and ring worm. Detailed account of diseases like cancer and HIV/ AIDS. Insects and human welfare:- Silk, honey and lac producing insects, their life-cycle and usefulness of their products. Poultry and Dairy Farming. Adolescence and drug and alcohol abuse (effects of drug/ alcohol abuse, prevention and control).

**UNIT –15: BIOTECHNOLOGY AND ITS APPLICATIONS****(Marks: 02)**

Genetic engineering (recombinant DNA technology), cloning. Biotechnological production of human insulin, vaccines and growth hormone. Gene therapy. Bio safety/ ethical issues regarding recombinant DNA technology.

# MATHEMATICS

**UNIT 1: SETS, RELATIONS AND FUNCTIONS****(Marks: 06)**

**Sets** and their representation, finite and infinite sets, empty set subsets, subset of real numbers especially intervals, power set, universal set. Venn diagram, union and intersection of sets. Difference of sets, Compliment of a set. Ordered pairs, Cartesian product of sets, number of elements in the Cartesian product of two finite sets.

**Relations**, Domain, co- domain and range of relation, types of relations, reflexive, symmetric, transitive and equivalence relations.

**Functions** as special kind of relations from one set to another, domain, co-domain and range of a function. One to one, onto functions. Real valued functions of the real variable; constant, identity, polynomial, rational, modulus, signum and the greatest integer functions with their graphs. Sum, difference, product and quotients of functions. Composition of functions, inverse of a function, binary operations.

**UNIT 2: COMPLEX NUMBER; LINEAR INEQUATION; LINEAR PROGRAMMING** **(Marks: 06)**

**Complex number**: Conjugate of a complex number, modulus and amplitude (argument) of a complex number, Argand's plane and polar representation of complex numbers, algebraic properties of complex numbers. Fundamental theorem of algebra, solution of Quadratic equation in the complex number system. Square root of a complex number.

**Linear inequation**: Algebraic solution of linear inequalities in one variable and two variables.

**Linear programming**: Introduction, definition of related terminology such as constraints, objective function, optimization, different type of linear programming problem (L.P), mathematical formulation of L.P problem, graphical method of solution for problems in two variables, feasible and infeasible regions, feasible and infeasible solutions, optimal feasible solutions.

**UNIT 3: SEQUENCE AND SERIES, PERMUTATION AND COMBINATION & BINOMIAL THEOREM** **(Marks: 06)**

**Sequence and series**: Arithmetic progression (A.P), arithmetic mean (A.M), nth term, sum to n-terms of an A.P, Geometric progression (G.P), Geometric Mean (G.M), nth term, sum to n-terms and sum to infinity of a G.P. Relation between A.M and G.M. Sum to n terms of  $\sum n$ ,  $\sum n^2$  and  $\sum n^3$ .

**Permutation and combination**: Fundamental principle of counting, factorial n, permutations P(n,r) and combinations C(n,r), simple applications.

**Binomial Theorem**:. Binomial theorem for positive integral power. general and middle terms in the Binomial expansion. Pascal's triangle and simple applications.

**UNIT 4: TRIGONOMETRIC AND INVERSE TRIGONOMETRY FUNCTIONS** **(Marks: 06)**

Positive and negative angles, measuring angles in radians and in degrees, Conversion from one measure to another. Definition of trigonometric functions with the help of unit circle. Periodicity of Trigonometric functions. Basic Trigonometric identities  $\sin^2x + \cos^2x = 1$  for all Sign of  $x$  etc. Trigonometric functions and their graphs. Expressions for  $\sin(x \pm y)$ ,  $\cos(x \pm y)$ ,  $\tan(x \pm y)$ ,  $\cot(x \pm y)$ , sum and product formulae.

Identities related to  $\sin 2x$ ,  $\cos 2x$ ,  $\tan 2x$ ,  $\sin 3x$ ,  $\cos 3x$ , and  $\tan 3x$ . General and principal solutions of trigonometric equations of the type  $\sin x = \sin a$ ,  $\cos x = \cos a$ ,  $\tan x = \tan a$ .

**Inverse trigonometric functions**, range, domain, principal value branches. Graphs of inverse trigonometric functions, elementary properties of inverse trigonometric functions

**UNIT 5: MATRICES AND DETERMINANTS****(Marks: 04)**

**Matrices**, concepts, notation, order, equality, types of matrices, Zero matrix, transpose of matrix, Symmetric and skew symmetric matrices. Addition, multiplication, scalar multiplication of matrices, simple properties of addition, multiplication and scalar multiplication of matrices. Non-commutativity of multiplication of matrices and existence of non-zero matrices whose product is the zero matrix (order  $2 \times 2$ ). Concept of elementary row and column operation, Invertible matrices and uniqueness of inverse, if it exists. (Matrices with real entries).

**Determinants** of square matrix (upto  $3 \times 3$  matrices) properties of determinants, minors, cofactors and applications of determinants in finding area of a triangle. Adjoint and inverse of a square matrix. Consistency, inconsistency and number of

solutions of system of linear equations by examples, solving system of linear equations in two or three variables using inverse of a matrix.

**UNIT 6: LIMIT, CONTINUITY AND DIFFERENTIATION**

**(Marks: 08)**

Concept of limit of a function. Theorems on Limits, Evaluation of limits using standard results

$$\lim_{x \rightarrow 0} \frac{\sin x}{x}, \lim_{x \rightarrow a} \frac{x^n - a^n}{x - a}, \lim_{x \rightarrow 0} \frac{1}{x}, \lim_{x \rightarrow \infty} \frac{1}{x}, \lim_{x \rightarrow \infty} \left(1 + \frac{1}{x}\right)^x$$

$$\lim_{x \rightarrow 0} (1 + x)^{1/x}, \lim_{x \rightarrow 0} \frac{\log_e(1 + x)}{x}, \lim_{x \rightarrow 0} \frac{e^x - 1}{x},$$

**Continuity** of a function at a point. Continuity of Sum, product and quotient of functions. **Derivative:** definition of a derivative of a function, geometrical interpretation of the derivative.

- Derivative of sum, difference, product and quotient of two or more functions.
- Derivative of algebraic and composite functions.
- Derivative of trigonometric and inverse trigonometric functions.
- Chain rule, derivative of implicit functions.
- Derivative of logarithmic and exponential functions.
- Logarithmic differentiation.
- Derivative of functions expressed in parametric forms.

Second order derivatives.

- Rolle’s and Lagrange’s Mean Value Theorem and their geometrical interpretation and their simple applications.

**Application of Derivative:** rate of change, increasing and decreasing functions, tangents and normals, approximation, maxima and minima (first derivative and second derivative test). Simple problems.

**UNIT 7: INTEGRATION AND DIFFERENTIAL EQUATIONS**

**(Marks: 07)**

Integration as inverse process of differentiation. Integration of variety of functions by Substitution, by parts, by partial fractions. Simple integrals of the type:

$$\int \frac{dx}{x^2 \pm a^2}, \int \frac{dx}{\sqrt{x^2 \pm a^2}}, \int \frac{dx}{\sqrt{a^2 - x^2}},$$

$$\int \frac{dx}{ax^2 + bx + c}, \int \frac{dx}{\sqrt{ax^2 + bx + c}}, \int \frac{(px + q)}{ax^2 + bx + c} dx, \int \frac{(px + q)}{\sqrt{ax^2 + bx + c}} dx,$$

$$\int \sqrt{a^2 \pm x^2} . dx, \int \sqrt{x^2 - a^2} . dx,$$

$$\int \sqrt{ax^2 + bx + c} dx, \int \frac{dx}{a + b \cos x}, \int \frac{dx}{a + b \sin x},$$

$$\int (px + q)\sqrt{ax^2 + bx + c} dx$$

Definite integrals as a Limit of a sum. Fundamental Theorem of calculus. Basic properties of definite integrals Evaluation of definite integrals.

**Application of integrals:** Application in finding the area under simple curves, especially lines. Areas of circles, parabolas and ellipses (in standard form) Area under the curve  $y = \sin x$ ,  $y = \cos x$ , area between the above two curves.

**Differential Equations:** Definition, order and degree of a differential equation. General and particular solutions of a differential equation. Formation of a differential equation whose general solution is given. Solution of differential equation by method of separation of variables. Solution of Homogeneous differential equation of first order and first degree. Solution of linear differential equation of the type:

$$\frac{dy}{dx} + py = q, \text{ where } p \text{ and } q \text{ are functions of } x \text{ alone and}$$

$$\frac{dx}{dy} + px = q, \text{ where } p \text{ and } q \text{ are functions of } y \text{ alone.}$$

### UNIT 8: STRAIGHT LINES AND CONIC SECTIONS

(Marks: 05)

Distance between two points, section, slope of a line, angle between two lines, various forms of equations of lines, point-slope form, intercept form, two point form, and normal form. General equation of a line, distance of a point from a line. Conic Section: Sections of a cone, circles, parabola, ellipse, hyperbola, a point, a straight line and a pair of intersecting lines as a degenerated case of conic section. Standard equation of a circle, parabola, ellipse, and hyperbola and their simple properties.

### UNIT 9: STATISTICS AND PROBABILITY

(Marks: 06)

**STATISTICS** Measure of dispersion, mean, deviation, variance and standard deviation of ungrouped/ grouped data. Analysis of frequency distribution with equal means but different variances.

**PROBABILITY** : Random Experiment: outcome, sample spaces.

Events: Mutually exclusive and exhaustive events. Axiomatic (set theoretic) probability, probability of an event, probability of “Not” and “Or” events. Multiplication theorem on probability, conditional probability, independent events, total probability, Baye’s theorem, random variable and its probability, distribution, mean and variance of a random variable. Repeated independent (Bernouli) trials and Binomial distribution.

### UNIT 10: VECTORS AND THREE DIMENSIONAL GEOMETRY

(Marks: 06)

Vectors and scalars, magnitude and direction of a vector Direction Cosines and ratios of a vector. Types of vector, equal, zero, unit, parallel and collinear vectors. Position vector of a point , negative of a vector, components of a vector, addition of vectors, Scalar multiplication, position vector of a point dividing a line segment in a given ratio. Scalar (dot) product of vectors, projection of a vector on a line. Vector (cross) product of vectors, Scalar triple product. Coordinate axes and Coordinate planes in three dimensions of a point, distance between two points and sectional formula.

**STRAIGHT LINES AND SPACE** Direction cosines and direction ratios of a line joining two points. Cartesian and vector equation of a line ( in various forms), coplanar and skew-lines, shortest distance between two lines.

**PLANES** Cartesian and vector equation of a plane( in various forms). Distance of a point from a plane.

Angle between:

- i. Two lines
- ii. Two planes.
- iii. A line and a plane

## **15 INSTITUTIONS WITH COURSES AND TENTATIVE INTAKE CAPACITY**

The number of seats in different courses/ colleges may increase or decrease. The exact number of seats available will be notified at the time of counselling for admission. The details of the tentative seats available, as on date, discipline-wise, in different Medical Colleges/ Institutions of the State for the academic year-2015 are given below.



## GOVT. MEDICAL COLLEGE SRINAGAR

Phone: 0194-24504114

Fax: 0194-24504114

Email: [drrafiqahmad@rediffmail.com](mailto:drrafiqahmad@rediffmail.com)

Courses	Intake Capacity	Seats to be filled by BOPEE
MBBS	100+50*	100+50*



## GOVT. MEDICAL COLLEGE, JAMMU

Phone: 0191-2584234

Fax: 0191-2584247

Email: [pmcjammu@gmail.com](mailto:pmcjammu@gmail.com)

Courses	Intake Capacity	Seats to be filled by BOPEE
<b>MBBS</b>	100+50*	100+50*



## **SHER-I-KASHMIR INSTITUTE OF MEDICAL SCIENCES, MEDICAL COLLEGE BEMINA**

Phone: 0194-2403470

Email: [director@skims.ac.in](mailto:director@skims.ac.in)

Fax: 0194-2490071

Website: [www.skims.ac.in](http://www.skims.ac.in)

Courses	Intake Capacity	Seats to be filled by BOPEE
<b>MBBS</b>	50+50*	50+50*

**\*Subject approval of MCI and other regulating bodies**



## ACHARIYA SHRI CHANDRA COLLEGE OF MEDICAL SCIENCES SIDHRA, JAMMU

Phone: 0191-2662270

Email: [ascomshospital@gmail.com](mailto:ascomshospital@gmail.com)

Fax: 0191-2662324, 2662113

Website: [www.ascomscollege.com](http://www.ascomscollege.com)

Courses	Intake Capacity	Seats to be filled by BOPEE	Payment seats	Poor & Backward Category Seats	Management Quota Seats
<b>MBBS</b>	100	50*	40	10	50

\* Subject to approval from the J&K Government and University of Jammu.



## GOVT. DENTAL COLLEGE, SRINAGAR

Phone: 0194-2455022

Fax: 0194-2480679

Email: [gdcsrinagar@gmail.com](mailto:gdcsrinagar@gmail.com)

Courses	Intake Capacity	Seats to be filled by BOPEE
<b>BDS</b>	50*	50
<b>Dip. Dental Hygiene</b>	05	05

\* Subject to approval from DCI



## GOVT. DENTAL COLLEGE, JAMMU

Phone: 0191-2544670, 2565630  
Email: [iggdcjprincipal@yahoo.com](mailto:iggdcjprincipal@yahoo.com)

Fax: 0191-2565588

Courses	Intake Capacity	Seats to be filled by BOPEE
<b>BDS</b>	50*	50

\* Subject to approval from DCI



## INSTITUTE OF DENTAL SCIENCES CHARITABLE TRUST, SEHORA, JAMMU

Phone: 0191-2483115

Fax: 0191-2484872

Email: [idsjammu06@gmail.com](mailto:idsjammu06@gmail.com)

Courses	Intake Capacity	Seats to be filled by BOPEE	Management Quota	NRI Quota
<b>BDS</b>	100*	40	50	10

\* Subject to approval from DCI and University of Jammu



## JAMMU INSTITUTE OF AYURVEDA & RESEARCH, JAMMU

Phone: 0191-2597868

Fax: 0191-2594262

Email: [drrlsharma\\_50@rediffmail.com](mailto:drrlsharma_50@rediffmail.com)

Courses	Intake Capacity	Seats to be filled by BOPEE		Management Quota Seats
		Payment Seats	Poor & Backward Category Seats	
<b>BAMS**</b>	90*	60	07	23

\* Subject to approval from the J&K Government, Jammu University and AYUSH.

\*\* Medium of instruction is Hindi in BAMS



## JAMMU COLLEGE OF PHYSIOTHERAPY

Phone: 0191-2597868

Fax: 0191-2594262

Email: [drrlsharma\\_50@rediffmail.com](mailto:drrlsharma_50@rediffmail.com)

Courses	Intake Capacity	Seats to be filled by BOPEE		Management Quota Seats
		Payment Seats	Poor & Backward Category Seats	
<b>B.Sc. Physiotherapy</b>	60*	42	03	15

\* Subject to approval from the J&K Government and Jammu University.



## KASHMIR TIBBIA COLLEGE HOSPITAL & RESEARCH CENTRE, TENGPORA, SRINAGAR

Phone: 0194-2428380

Fax: 0194-2428380

Email: [ktchrc97@rediffmail.com](mailto:ktchrc97@rediffmail.com)

Courses	Intake Capacity	Seats to be filled by BOPEE		Management Quota Seats
		Payment Seats	Poor & Backward Category Seats	
<b>BUMS</b>	40*	27	03	10

\* Subject to approval from the J&K Government, University of Kashmir and AYUSH



## INSTITUTE OF ASIAN MEDICAL COLLEGE, SRINAGAR

Phone: 0194-2102138

Fax: 01914-2423786

Email: [doctorbaksh@gmail.com](mailto:doctorbaksh@gmail.com)

Courses	Intake Capacity	Seats to be filled by BOPEE		Management quota seats
		Payment seats	Poor & Backward Category Seats	
<b>BUMS</b>	40*	27	03	10

\* Subject to approval from the J&K Government, University of Kashmir and AYUSH



## GOVT COLLEGE OF ENGINEERING & TECHNOLOGY, JAMMU

Phone: 0191-2546244, 2544863  
 Email: [principal@gcetjammu.org](mailto:principal@gcetjammu.org)

Fax: 0191-2560359

Courses	Intake Capacity	5% seats for TFW* candidates	Seats to be filled by BOPEE
<b>Civil</b>	30	1.5	31.50
<b>E &amp; C</b>	30	1.5	31.50
<b>Computer</b>	40	2.0	42.00
<b>Electrical</b>	30	1.5	31.50
<b>Mechanical</b>	30	1.5	31.50
<b>Total</b>	160	8	168

*\* TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate.*



## MODEL INSTITUTE OF ENGG. & TECH. KOT BAHLWAL, JAMMU

Phone: 0191-2623116, 2623180  
 Email: [principal@mietjammu.in](mailto:principal@mietjammu.in)

Fax: 0191-2623181  
 Website: [www.mietjammu.in](http://www.mietjammu.in)

Courses	Intake Capacity*	Seats to be filled by BOPEE		Management Quota Seats
		5% seats for TFW** candidates	Open Merit Seats	
<b>CIVIL**</b>	60	3	57	3
<b>E &amp; C</b>	120	6	114	6
<b>Computer</b>	120	6	114	6
<b>Electrical</b>	60	3	57	3
<b>I.T</b>	60	3	57	3
<b>Total</b>	420	21	399	21

\*Subject Approval from J&K Government, Jammu University and AICTE.

\*\* TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate.



## MBS COLLEGE OF ENGINEERING & TECHNOLOGY, JAMMU

Phone: 0191-2216625

Fax: 0191-2262896

Email: [sushilbadyal@yahoo.com](mailto:sushilbadyal@yahoo.com)

Courses	Intake Capacity*	Seats to be filled by BOPEE		Minority Quota Seats
		5% seats for TFW** Candidates	Open Merit Seats	
<b>E &amp; C</b>	60	1.5	30	30
<b>Mechanical</b>	60	1.5	30	30
<b>Computer</b>	60	1.5	30	30
<b>Electrical</b>	60	1.5	30	30
<b>Applied</b>	60	1.5	30	30
<b>Electronics &amp; Instrumentation</b>	60	1.5	30	30
<b>I.T</b>				
<b>Total</b>	<b>360</b>	<b>9</b>	<b>180</b>	<b>180</b>

\*Subject Approval of the regulatory bodies, AICTE, state Government and University of Jammu.

\*\* *TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate*



## SSM COLLEGE OF ENGINEERING, SRINAGAR

Phone: 0194-2496260

Email: [ssmkashmir@gmail.com](mailto:ssmkashmir@gmail.com)

Fax: 0194-2496135

Website: [www.ssmce.ac.in](http://www.ssmce.ac.in)

Courses	Intake Capacity*	Seats to be filled by BOPEE		Management Quota Seats
		5% Seats for TFW** Candidates	Open Merit Seats	
Civil	180	9	171	9
Mechanical	120	6	114	6
E & C	120	6	114	6
Computer	120	6	114	6
Electrical	60	3	57	3
<b>Total</b>	<b>600</b>	<b>30</b>	<b>570</b>	<b>30</b>

\*Subject Approval of the regulatory bodies, AICTE, State Government and University of Kashmir.

\*\* TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate.



## Yogananda College of Engineering and Technology, Jammu\*\*

Phone: 0191-2605601, 2605602, 2605603

Fax: 0191-2605604

Email: [JAMWALGROUP94@gmail.com](mailto:JAMWALGROUP94@gmail.com)

Courses	Intake Capacity	Seats to be filled by BOPEE		Management Quota Seats
		5% Seats for TFW* Candidates	Open Merit Seats	
Civil	120	6	114	6
Mechanical	120	6	114	6
IT	60	3	57	3
Computer	60	3	57	3
Electrical	60	3	57	3
<b>Total</b>	<b>420</b>	<b>21</b>	<b>399</b>	<b>15</b>

\*Subject to approval of the regulatory bodies. AICTE, State Government and University of Jammu

\*\* TFW means Tuition Fee Waiver. A candidate whose father's annual income from all sources is less than 4,50,000 (Four lakhs and fifty thousand) is entitled to get this certificate.

## 16. ANNEXURE

### ANNEXURE-I

#### COMPETENT AUTHORITIES FOR ISSUANCE OF RESERVED CATEGORY CERTIFICATES

S. No.	Categories	Competent Authorities to issue certificates
1	Scheduled Caste (SC)	
2	<b>Scheduled Tribes</b>	
	i. Scheduled Tribe, Gujjar & Bakerwal (STGB)	
	ii. Scheduled Tribe, Leh District (STL)	
	iii. Scheduled Tribe, Kargil District (STK)	
	iv. Other Scheduled Tribes (STO)	
3	<b>Socially and Educationally Backward Classes</b>	<b>Revenue Officer not below the rank of Tehsildar *</b>
	i. Weak and Under Privileged Classes, Social Castes (OSC)	
	ii. Residents of Backward Area (RBA)	
	iii. Residents of Area Adjoining Actual Line of Control (ALC)	
4	Candidates hailing from poor and Backward families whose annual income does not exceed Rs. 70,000/- for MBBS, (ASCOMS), BAMS/ Physiotherapy and BUMS in private colleges	
5	Children of Defense Personnel. (CDP) (Navy, Army and Air force only) ** Ex-servicemen <b>Zila Sainik Welfare officer</b>	<b>Commanding Officer of the concerned Unit</b>
6	Children of Permanent Residents of Paramilitary Forces and State Police Personnel serving in the State (JKPM)	<b>DIG Concerned</b>
7	Candidates possessing outstanding proficiency in Sports (SP) ***	<b>Secretary, J&amp;K Sports Council (to be submitted to Council by or before the last date fixed by the BOPEE)</b>
8	<b>Tuition Fee Waiver Certificate (TFW)</b> Any candidate whose parent's income from all sources is less than rupees 4,50,000 (Four Lakhs and fifty thousand only) can get this certificate. (Applicable to only Engineering Courses) <b>Poor and Backward Certificate</b> Any candidate whose parent's annual income from all sources is less than rupees 70,000 (seventy thousand) can get this certificate. (Applicable only to private MBBS in ASCOM and BUMS, BAMS and Physiotherapy courses)	<b>Tehsildar of the concerned Tehsil</b>

**ANNEXURE-II**

**Poor and Backward Category**

**GOVERNMENT OF JAMMU AND KASHMIR  
INCOME CERTIFICATE**

**OFFICE OF THE TEHSILDAR \_\_\_\_\_**

**Sub:- Issuance of income certificate in favour of \_\_\_\_\_**

S/o.F/o.M/o. \_\_\_\_\_ R/o \_\_\_\_\_

As verified by Naib Tehsildar Circle \_\_\_\_\_ vide his office letter no. \_\_\_\_\_ Dated \_\_\_\_\_ and also by field agency(s), this is to certify that monthly income of Shri \_\_\_\_\_

S/o.F/o.M/o. \_\_\_\_\_

R/o \_\_\_\_\_

from all sources is Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_

\_\_\_\_\_ ) Per Month including Agriculture/Horticulture/rental shops/houses etc. and his family consists of \_\_\_\_\_ members.

Family details are as under:-

<i>S.No</i>	<i>Name</i>	<i>Relation</i>	<i>Age</i>	<i>Occupation</i>	<i>Monthly Income</i>	<i>Income from Land and other immovable assets</i>	<i>Annual Income</i>
1							
2							
3							

Signatures of  
*Patwari*

*Girdawar*

*N.T. Concerned*

***Seal and Signature of Tehsildar***

No. \_\_\_\_\_

Dated \_\_\_\_\_

**ANNEXURE-III**

**INCOME CERTIFICATE FOR TUITION FEE WAIVER**

**GOVERNMENT OF JAMMU AND KASHMIR**

**INCOME CERTIFICATE**

**OFFICE OF THE TEHSILDAR \_\_\_\_\_**

**Sub:- Issuance of income certificate in favour of \_\_\_\_\_**

S/o.F/o.M/o. \_\_\_\_\_ R/o \_\_\_\_\_

As verified by Naib Tehsildar Circle \_\_\_\_\_ vide his office letter no. \_\_\_\_\_ Dated \_\_\_\_\_ and also by field agency(s), this is to certify that monthly income of Shri \_\_\_\_\_ S/o.F/o.M/o. \_\_\_\_\_ R/o \_\_\_\_\_ from all sources is Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) Per Month including Agriculture/Horticulture/rental shops/houses etc. and his family consists of \_\_\_\_\_ members.

Family details are as under:-

<b>S.No</b>	<b>Name</b>	<b>Relation</b>	<b>Age</b>	<b>Occupation</b>	<b>Monthly Income</b>	<b>Income from Land and other immovable assets</b>	<b>Annual Income</b>
1							
2							
3							

Signatures of  
*Patwari*

*Girdawar*

*N.T. Concerned*

**Seal and Signature of Tehsildar**

No. \_\_\_\_\_

Dated \_\_\_\_\_

# ANNEXURE-IV

## SAMPLE of OMR ANSWER SHEET

INSTRUCTIONS: CANDIDATE TO PLEASE FOLD AT PERFORATION AND THEN TEAR AFTER EXAMINATION IS OVER.  
SEPARATE ORIGINAL COPY AND CANDIDATE'S COPY OF OMR ANSWER SHEET AND HAND OVER ORIGINAL ANSWER SHEET TO INVIGILATOR

<b>ORIGINAL COPY</b>	<b>ANSWER SHEET</b>	Answer Sheet No. <span style="border: 1px solid black; display: inline-block; width: 50px; height: 20px;"></span>
<div style="writing-mode: vertical-rl; transform: rotate(180deg);">P H O T O G R A P H</div>	ROLL NO. : _____ CANDIDATE'S NAME : _____ FATHER'S NAME : _____ CATEGORY : _____ DATE OF BIRTH : _____	

- ### INSTRUCTIONS
- Do not fold, tear, wrinkle or staple this sheet.
  - Use only Blue or Black Ball Point Pen to fill this Answer Sheet.
  - Darken only one circle for each question as shown in the example below.  
Marking should be dark and the circle is to be filled in completely as shown in the example below.
 

Correct way of marking	Incorrect way of marking
i. If your answer is (1) <input type="radio"/> (1) <input type="radio"/> (2) <input type="radio"/> (3) <input type="radio"/> (4)	<input checked="" type="radio"/> (1) <input type="radio"/> (2) <input type="radio"/> (3) <input type="radio"/> (4)
ii. If your answer is (2) <input type="radio"/> (1) <input checked="" type="radio"/> (2) <input type="radio"/> (3) <input type="radio"/> (4)	<input type="radio"/> (1) <input checked="" type="radio"/> (2) <input checked="" type="radio"/> (3) <input type="radio"/> (4)
iii. If your answer is (3) <input type="radio"/> (1) <input type="radio"/> (2) <input checked="" type="radio"/> (3) <input type="radio"/> (4)	<input type="radio"/> (1) <input checked="" type="radio"/> (2) <input checked="" type="radio"/> (3) <input checked="" type="radio"/> (4)
iv. If your answer is (4) <input type="radio"/> (1) <input type="radio"/> (2) <input type="radio"/> (3) <input checked="" type="radio"/> (4)	<input type="radio"/> (1) <input checked="" type="radio"/> (2) <input checked="" type="radio"/> (3) <input checked="" type="radio"/> (4)
  - Mark your answer only in the space provided. Please do not mark any stray mark on this answer sheet.
  - Rough work must not be done on this Answer Sheet. Use rough sheets provided at the end of the question booklet for rough work.
  - Mark your answer only in the appropriate circle against the corresponding number to the question you are answering.
  - Mark your Question Booklet Number and Question Booklet Series correctly.
  - There will be 0.2 negative mark for every wrong answer.
  - Do not use fluid pens, markers or blades.
  - In case you do not follow the above instructions, your answer sheet is likely to be rejected whenever detected.

### ANSWERS

1	(1)	(2)	(3)	(4)	41	(1)	(2)	(3)	(4)
2	(1)	(2)	(3)	(4)	42	(1)	(2)	(3)	(4)
3	(1)	(2)	(3)	(4)	43	(1)	(2)	(3)	(4)
4	(1)	(2)	(3)	(4)	44	(1)	(2)	(3)	(4)
5	(1)	(2)	(3)	(4)	45	(1)	(2)	(3)	(4)
6	(1)	(2)	(3)	(4)	46	(1)	(2)	(3)	(4)
7	(1)	(2)	(3)	(4)	47	(1)	(2)	(3)	(4)
8	(1)	(2)	(3)	(4)	48	(1)	(2)	(3)	(4)
9	(1)	(2)	(3)	(4)	49	(1)	(2)	(3)	(4)
10	(1)	(2)	(3)	(4)	50	(1)	(2)	(3)	(4)
11	(1)	(2)	(3)	(4)	51	(1)	(2)	(3)	(4)
12	(1)	(2)	(3)	(4)	52	(1)	(2)	(3)	(4)
13	(1)	(2)	(3)	(4)	53	(1)	(2)	(3)	(4)
14	(1)	(2)	(3)	(4)	54	(1)	(2)	(3)	(4)
15	(1)	(2)	(3)	(4)	55	(1)	(2)	(3)	(4)
16	(1)	(2)	(3)	(4)	56	(1)	(2)	(3)	(4)
17	(1)	(2)	(3)	(4)	57	(1)	(2)	(3)	(4)
18	(1)	(2)	(3)	(4)	58	(1)	(2)	(3)	(4)
19	(1)	(2)	(3)	(4)	59	(1)	(2)	(3)	(4)
20	(1)	(2)	(3)	(4)	60	(1)	(2)	(3)	(4)
21	(1)	(2)	(3)	(4)	61	(1)	(2)	(3)	(4)
22	(1)	(2)	(3)	(4)	62	(1)	(2)	(3)	(4)
23	(1)	(2)	(3)	(4)	63	(1)	(2)	(3)	(4)
24	(1)	(2)	(3)	(4)	64	(1)	(2)	(3)	(4)
25	(1)	(2)	(3)	(4)	65	(1)	(2)	(3)	(4)
26	(1)	(2)	(3)	(4)	66	(1)	(2)	(3)	(4)
27	(1)	(2)	(3)	(4)	67	(1)	(2)	(3)	(4)
28	(1)	(2)	(3)	(4)	68	(1)	(2)	(3)	(4)
29	(1)	(2)	(3)	(4)	69	(1)	(2)	(3)	(4)
30	(1)	(2)	(3)	(4)	70	(1)	(2)	(3)	(4)
31	(1)	(2)	(3)	(4)	71	(1)	(2)	(3)	(4)
32	(1)	(2)	(3)	(4)	72	(1)	(2)	(3)	(4)
33	(1)	(2)	(3)	(4)	73	(1)	(2)	(3)	(4)
34	(1)	(2)	(3)	(4)	74	(1)	(2)	(3)	(4)
35	(1)	(2)	(3)	(4)	75	(1)	(2)	(3)	(4)
36	(1)	(2)	(3)	(4)					
37	(1)	(2)	(3)	(4)					
38	(1)	(2)	(3)	(4)					
39	(1)	(2)	(3)	(4)					
40	(1)	(2)	(3)	(4)					

<b>ROLL NUMBER</b> _____ (0) (0) (0) (0) (0) (1) (1) (1) (1) (1) (2) (2) (2) (2) (2) (3) (3) (3) (3) (3) (4) (4) (4) (4) (4) (5) (5) (5) (5) (5) (6) (6) (6) (6) (6) (7) (7) (7) (7) (7) (8) (8) (8) (8) (8) (9) (9) (9) (9) (9)	<b>QUESTION BOOKLET NUMBER</b> _____ (0) (0) (0) (0) (0) (1) (1) (1) (1) (1) (2) (2) (2) (2) (2) (3) (3) (3) (3) (3) (4) (4) (4) (4) (4) (5) (5) (5) (5) (5) (6) (6) (6) (6) (6) (7) (7) (7) (7) (7) (8) (8) (8) (8) (8) (9) (9) (9) (9) (9)	<b>QUESTION BOOKLET SERIES</b> _____ A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D <input type="radio"/>	<b>PAPER</b> Paper-I <input type="radio"/> Paper-II <input type="radio"/> Paper-III <input type="radio"/> Paper-IV <input type="radio"/>
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Write below as given certification statement in your running handwriting in English:

I certify that I am the person whose Roll Number and Photograph appear on this sheet. The Question Booklet No. and Booklet Series have been correctly filled by me. I have filled the answer sheet myself, signed and put my thumb impression.

SIGNATURE OF THE CANDIDATE	SIGNATURE OF THE INVIGILATOR

NUMBER OF QUESTIONS ATTEMPTED:

LEFT HAND THUMB IMPRESSION OF THE CANDIDATE	SIGNATURE OF THE SUPERINTENDENT
---	---------------------------------

Invigilator and Superintendent to ensure that the candidate has given correct information regarding No. of Questions attempted, Booklet No. and Series.

**Annexure- V**

**UNDERTAKING AND AUTHORITY LETTER FOR COUNSELLING**

I, \_\_\_\_\_ son/daughter/wife of Mr. \_\_\_\_\_ age \_\_\_\_\_ years \_\_\_\_\_ months, bearing Roll No. \_\_\_\_\_ placed at Rank No. \_\_\_\_\_ in the Entrance Examination for admission to MBBS/BDS/BAMS/BUMS/BPT/BE Course 2015, conducted by BOPEE do hereby solemnly affirm and undertake that the decision of my authorized representative, Mr./Mrs./Miss \_\_\_\_\_ son/daughter/wife of Mr. \_\_\_\_\_ age \_\_\_\_\_ years, regarding selection / rejection of seat on the date of personal appearance shall be binding on me and I shall not have any claim whatsoever, other than the decision taken by my authorized representative on my behalf

on \_\_\_\_\_  
Signature of candidate \_\_\_\_\_  
Name \_\_\_\_\_  
Roll No. \_\_\_\_\_  
Address \_\_\_\_\_

**AUTHORITY LETTER**

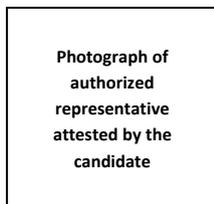
I, \_\_\_\_\_ son/daughter/wife of Mr. \_\_\_\_\_ bearing Roll No. \_\_\_\_\_ for Entrance Examination for admission MBBS/BDS/BAMS/BUMS/BPT/BE Course 2015 do hereby authorise Mr./Mrs./Miss \_\_\_\_\_ son/daughter/wife of Mr. \_\_\_\_\_ R/o \_\_\_\_\_ to represent me on \_\_\_\_\_ (Date) before the committee for allotment of a seat in MBBS/BDS/BAMS/BUMS/BPT/BE Course 2015. The signatures and the photograph of above named Mr./Miss/Mrs. \_\_\_\_\_ are attested below.



Signature of candidate \_\_\_\_\_  
Name \_\_\_\_\_  
Roll No. \_\_\_\_\_  
Address \_\_\_\_\_

Photograph to be Attested by Gazette officer

Address \_\_\_\_\_



Signature of candidate \_\_\_\_\_  
Name \_\_\_\_\_  
Roll No. \_\_\_\_\_  
Address \_\_\_\_\_

Photograph to be attested by the Candidate

## ANNEXURE-VI

### SAMPLE of COUNSELLING FORM

Counseling Date: 2014

S. No. 151

**THE J&K BOARD OF PROFESSIONAL ENTRANCE EXAMINATIONS**  
**DISCIPLINE/INSTITUTION PREFERENCE FORMAT FOR CET (PCB) ALLOTMENT COUNSELLING-2014**  
*Notification No.00-BOPEE of 2014 Dated: 00-00-2014*

Roll No.	211145	Name	JUNAID KHURSHID [ Male ]		
Category	06 - Open Merit Category (OM)	Marks	190.8466	Rank	0151
Telephone/Cell No.	9697383838	Email ID	Junaid.khurshid@gmail.com		

#### OPTIONS/PREFERENCE FORMAT FOR ALLOTMENT OF DISCIPLINE

S. No.	Name of the Discipline & Institution where you desire admission (In order of preference)
1	MBBS in GMC Srinagar
2	MBBS in GMC Jammu
3	MBBS in GMC SKIMS
4	MBBS in GMC ASCOMS
5	BDS in GDC Srinagar
6	BDS in IDS Jammu
7	
8	
9	
10	
11	
12	
13	
14	
15	
00	MBBS in G.M.C. Srinagar (Sample Preference)-Please write only one choice in one row

**Signature of the Candidate**

- a) I accept discipline \_\_\_\_\_ in the Institution \_\_\_\_\_ indicated by me at the Preference No. \_\_\_\_\_ given above. The discipline and institution preference has been exercised by me during the counselling on the basis of merit/rank secured by me in the Entrance Test-2014 and the seat available at my turn for allotment on \_\_\_\_\_ at \_\_\_\_\_.
- b) Under Rule 17 of SRO 294, (if applicable) my open merit available seat of \_\_\_\_\_ in the institution \_\_\_\_\_ is requested to be transferred to \_\_\_\_\_ reserved category and this category seat of my choice i.e. \_\_\_\_\_ in \_\_\_\_\_ be allotted to me.
- c) I have deposited non refundable counselling fee of Rs. 1000/= in the form of Bank Draft/Bank Challan No \_\_\_\_\_ dated \_\_\_\_\_.

**Signature of the Candidate**

Recommended provisionally for admission in Discipline \_\_\_\_\_ at \_\_\_\_\_

Signature of Counselling Committee Members

**Approved**

**Chairman, BOPEE**

Discipline	Seats available at GCET			Seats available at MIET		Seats available at MBS		Seats available at YCET		Seats available at SSM	
	OM	CAT.	TFW	OM	TFW	OM	TFW	OM	TFW	OM	TFW
<b>Civil</b>	15	15	1.5	57	3	0	0	57	3	173	9
<b>E &amp; C</b>	15	15	1.5	114	6	30	1.5	0	0	116	6
<b>Computer</b>	20	20	2	114	6	30	1.5	57	3	116	6
<b>Mechanical</b>	15	15	1.5	0	0	30	1.5	57	3	116	6
<b>Electrical</b>	15	15	1.5	57	3	30	1.5	57	3	58	3
<b>I.T</b>	0	0	0	57	3	30	1.5	57	3	0	0
<b>Applied Electronics &amp; Instrumentation</b>	0	0	0	0	0	30	1.5	0	0	0	0
<b>Total</b>	<b>80</b>	<b>80</b>	<b>8</b>	<b>399</b>	<b>21</b>	<b>180</b>	<b>9</b>	<b>285</b>	<b>15</b>	<b>579</b>	<b>30</b>
<b>G. Total</b>	<b>1626</b>										

*Note: Subject to approval of regulating bodies.*

#### **Allocation of seats as per provisions of JK Reservation Act and Rules at Govt. College of Engineering and Technology, Jammu**

Discipline	Total No. of Seats Available	OM	CAT.	SC	STGB	STL	STK	STO	OSC	RBA	ALC	CDP	SP	JKPM
<b>Civil</b>	30	15	15	2	2	1	1	1	1	6	1	1	1	1
<b>E &amp; C</b>	30	15	15	2	2	0	0	0	1	6	1	1	0	0
<b>Mechanical</b>	30	15	15	2	2	0	1	1	0	6	1	1	1	0
<b>Electrical</b>	30	15	15	3	2	1	0	0	0	6	1	1	0	0
<b>Computer</b>	40	20	20	4	2	1	1	0	1	8	1	1	1	0
<b>Total</b>	<b>160</b>	<b>80</b>	<b>80</b>	<b>13</b>	<b>10</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>32</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>1</b>

**Note:** Fractional benefits of .6 each of STO and JKPM have been clubbed together to make it whole number (1 seat). It has been given to STO and next year(2016) it will go to JKPM.

## ANNEXURE-VIII

### Seat Matrix Operated for Session 2013 for MBBS /BDS at GMC-J / GMC-S / SKIMS / GDC-J / GDC-S

Name of the Institution	Discipline	FREE SEATS	CATEGORY																																										
			OM (50%)		SC (8%)		STGB (6%)		STL (2%)		STK (2%)		STO (1%)		OSC (2%)		RBA (20%)		ALC (3%)		CDP (3%)		SP (2%)		JKPM (1%)		ALC/S TO		JKPM/ CDP																
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F													
Govt. Medical College, Jammu	MBBS	15	75		12		9		3		3		1.5		3		30		4.5		4.5		3		1.5																				
			3	3	6	6	4	5	2	1	1	2	1	0	2	1	1	5	2	2	2	2	1	2	1	0.5	0	1	0	1															
Government Medical college, Srinagar	MBBS	14	74.5		11.92		8.94		2.98		2.98		1.49		2.98		29.8		4.47		4.47		2.98		1.49		STO/JKPM																		
			3	3	6	6	5	4	1	2	2	1	0	1	1	2	1	5	2	2	2	2	2	1	0	1	1	0																	
SKIMS, Soura Srinagar	MBBS	10	50		8		6		2		2		1		2		20		3		3		2		1																				
			2	2	4	4	3	3	1	1	1	1	1	0	1	1	1	0	1	2	1	2	1	1	1	0																			
Government Indira Gandhi Dental College, Jammu	BDS	50	25		4		3		1		1		0.5		1		10		1.5		1.5		1		0.5																				
			1	1	2	2	2	1	1	0	1	0	1	0	0	1	5	5	0	1	1	0	0	1	0	1																			
Govt. Dental College, Srinagar	BDS	50	25		4		3		1		1		0.5		1		10		1.5		1.5		1		0.5																				
			1	1	2	2	1	2	0	1	0	1	0	0	1	0	5	5	1	1	0	1	1	0	1	0																			
	Dip. Dental Hygiene	05	03		02																																								
TOTAL		504	253		251																																								

## PRIVATE INSTITUTION

Institution	Course	Seats to be filled by BOPEE		Others	P&B	Total
ASCOMS, JAMMU	MBBS	40	Provisions of Reservation are Not Applicable to private institutions		10	50
Institute of Dental Sciences	BDS	54			-	54
Jammu Institute of Ayurveda & Research, Jammu	BAMS	60			07	67
Jammu College of Physiotherapy	B.Sc. Physiotherapy	63			04*	67
Kashmr Tibbia Hospital & Research Centre	BUMS	27			03	30
Institute of Asian Medical College	BUMS	27			03	30
<b>TOTAL</b>		<b>271</b>				<b>27</b>

### Note:-

- I. Rotational policy has been followed to distribute odd seats. (i.e. A combined seat allotted to male candidate this year will be allotted to female candidate next year 2015 on the basis of rotation.)
- II. Fractional seats (.5) of STO and ALC in Govt. Medical College Jammu have been combined to make it whole number and the seat has been allotted to the female candidate (of 2013) of these two categories having higher merit
- III. Fractional seats (.5) of CDP and JKPM in Govt. Medical College Jammu have been combined together to make it whole number ( 1 seat) and the seat has been allotted to the female candidate of these two categories having higher merit by following rotational policy.
- IV. Fractional seats (.5) of STO and JKPM in Govt. Medical College Srinagar have been combined together to make it whole number ( 1 seat ) and the seat has been allotted to the male candidate of these two categories having higher merit by following rotational policy between male and female candidates.
- V. Fractional seats (.5) of STO and ALC in Govt. Indra Gandhi Dental College of Jammu have been combined together to make it whole number ( 1 seat) and the seat has been allotted to the male candidate of STO by following rotational policy.
- VI. Fractional seats (.5) of CDP and JKPM in Govt. Indra Gandhi Dental College of Jammu have been combined together to make it whole number ( 1 seat) and the seat has been allotted to female candidate of JKPM by following rotational policy as above at V.
- VII. Fractional seats (.5) of STO and ALC in Govt. Dental College Srinagar have been combined together to make it whole number ( 1 seat). This seat has been allotted to female candidate of ALC by following rotational policy with Govt. Indra Gandhi Dental College Jammu.
- VIII. Fractional seats (.5) of CDP and JKPM in Govt. dental College Srinagar have been combined together to make it whole number ( 1seat). This seat has been allotted to male candidate of JKPM by following rotational policy with Govt. Indra Gandhi Dental college Jammu
- IX. Two reserve category seats of dental hygiene in Govt. Dental College Srinagar has been decided on the basis of rotation policy.

## ANNEXURE-IX

### Seat Matrix operated for Session -2014 for MBBS /BDS at GMC-J/GMC-S/SKIMS/GDC-J/GDC-S

Name of the Institution	Discipline	FREE SEATS	CATEGORY																											
			OM (50%)		SC (8%)		STGB (6%)		STL (2%)		STK (2%)		STO (1%)		OSC (2%)		RBA (20%)		ALC (3%)		CDP (3%)		SP (2%)		JKPM (1%)		ALC/S TO		JKPM/ CDP	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Govt. Medical College, Jammu	MBBS	150	75		12		9		3		3		1.5		3		30		4.5		4.5		3		1.5					
			37	38	6	6	5	4	1	2	2	1	0	1	1	2	1	1	5	5	2	2	2	2	2	1	0	1	1	0
Government Medical College, Srinagar	MBBS	149	74.5		11.92		8.94		2.98		2.98		1.49		2.98		29.8		4.47		4.47		2.98		1.49		STO/JKPM			
			38	37	6	6	4	5	2	1	1	2	1	0	1	2	1	1	5	5	2	2	2	2	1	2	1	0.5	0	1
SKIMS, Soura Srinagar	MBBS	100	50		8		6		2		2		1		2		20		3		3		2		1					
			25	25	4	4	3	3	1	1	1	1	0	1	1	1	1	0	0	2	1	2	1	1	1	0	1			
Govt. Dental College, Jammu	BDS	50	25		4		3		1		1		0.5		1		10		1.5		1.5		1		0.5					
			13	12	2	2	2	1	0	1	0	1	0	0	1	0	5	5	1	1	1	1	1	0	0	0	0			
Govt. Dental College, Srinagar	BDS	50	25		4		3		1		1		0.5		1		10		1.5		1.5		1		0.5					
			12	13	2	2	2	1	1	0	1	0	1	0	0	1	5	5	0	1	1	1	0	1	0	0				
Govt. Dental College, Srinagar	Dip. Dental Hygiene	05	03		02 (RBA & SC ONLY)																									
TOTAL		504	253		251																									

## PRIVATE INSTITUTION

Institution	Course	Seats to be filled by BOPEE		Others	P & BW	Total
ASCOMS, JAMMU	MBBS	40	Provisions of Reservation are Not Applicable to private institutions		10	50
Institute of Dental Sciences	BDS	54			-	54
Jammu Institute of Ayurveda & Research, Jammu	BAMS	60			07	67
Jammu College of Physiotherapy	B.Sc. Physiotherapy	63			04*	67
Kashmr Tibbia Hospital & Research Centre	BUMS	27			03	30
Institute of Asian Medical College	BUMS	27			03	30
TOTAL		271				27

### Note:-

- I. Rotational policy has been followed to distribute odd seats (i.e., the combined/odd seat allotted to **Female** candidate in the current year i.e. 2014 will be allotted to **Male** candidate in the year 2015 and vice-versa on the basis of rotation)
- II. Fractional seats (.5) of STO and ALC in Govt. Medical College, Jammu have been combined to make it whole number and the seat will be allotted to the **Male** candidate of these two categories having higher merit by following rotational policy.
- III. Fractional seats (.5) of CDP and JKPM in Govt. Medical College, Jammu have been combined together to make it whole number ( 1 seat) and the seat will be allotted to the **Male** candidate of these two categories having higher merit by following rotational policy.
- IV. Fractional seats (.5) of STO and JKPM in Govt. Medical College, Srinagar have been combined together to make it whole number ( 1 seat ) and the seat will be allotted to the **Female** candidate of these two categories having higher merit by following rotational policy between male and female candidates.
- V. Fractional seats (.5) of STO and ALC in Govt. Indra Gandhi Dental College, Jammu have been combined together to make it whole number ( 1 seat) and the seat will be allotted to the **Female** candidate of **ALC** by following rotational policy.
- VI. Fractional seats (.5) of CDP and JKPM in Govt. Indra Gandhi Dental College, Jammu have been combined together to make it whole number ( 1 seat) and the seat will be allotted to **Male** candidate of **CDP** by following rotational policy.
- VII. Fractional seats (.5) of STO and ALC in Govt. Dental College Srinagar have been combined together to make it whole number ( 1 seat). This seat will be allotted to **Male** candidate of **STO** by following rotational policy with Govt. Indra Gandhi Dental College, Jammu.
- VIII. Fractional seats (.5) of CDP and JKPM in Govt. dental College Srinagar have been combined together to make it whole number (1 seat). This seat will be allotted to **female** candidate of **CDP** by following rotational policy with Govt. Indra Gandhi Dental College, Jammu
- IX. Two reserve category seats of dental hygiene in Govt. Dental College Srinagar will be decided on the basis of rotation policy.

## Annexure-X

### Tentative Seat Matrix to be Operated for Session 2015- for MBBS /BDS at GMC-J / GMC-S / SKIMS / GDC-J / GDC-S

Name of the Institution	Discipline	FREESTATS	CATEGORY																											
			OM (50%)		SC (8%)		STGB (6%)		STL (2%)		STK (2%)		STO (1%)		OSC (2%)		RBA (20%)		ALC (3%)		CDP (3%)		SP (2%)		JKPM (1%)		ALC/STO		JKPM/CDP	
			M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Govt. Medical College, Jammu	MBBS	150	75		12		9		3		3		1.5		3		30		4.5		4.5		3		1.5					
			38	37	6	6	4	5	2	1	1	2	1	0.5	2	1	1	5	1	5	2	2.5	2	2.5	1	2	1	0.5	0	1
Government Medical college, Srinagar	MBBS	150	75		12		9		3		3		1.5		3		30		4.5		4.5		3		1.5		STO/JKPM		ALC/CDP	
			37	38	6	6	5	4	1	2	2	1	0.5	1	1	2	1	5	1	5	2.5	2	2.5	2	1	0.5	1	1	0	1
SKIMS, Soura Srinagar	MBBS	100	50		8		6		2		2		1		2		20		3		3		2		1					
			25	25	4	4	3	3	1	1	1	1	1	0	1	1	1	0	1	0	1	2	1	2	1	1	1	0		
Government Indira Gandhi Dental College, Jammu	BDS	50	25		4		3		1		1		0.5		1		10		1.5		1.5		1		0.5					
			12	13	2	2	1	2	1	0	1	0	0	1	0	1	5	5	1	0	1	0	0	1	1	0				
Govt. Dental College, Srinagar	BDS	50	25		4		3		1		1		0.5		1		10		1.5		1.5		1		0.5					
			13	12	2	2	1	2	0	1	0	1	0	0	1	0	5	5	1	1	1	1	1	0	0					
Dip. Dental Hygiene	BDS	05	03		02 (RBA & ST ONLY)																									
<b>TOTAL</b>		<b>505</b>	<b>253</b>		<b>252</b>																									

#### Note:-

- I. Rotational policy has been followed to distribute odd seats (i.e., the combined/odd seat allotted to **Female** candidate in the year 2014 will be allotted to **Male** candidate in the year 2015 and vice-versa on the basis of rotation)
- II. Fractional seats (.5) of STO and ALC in Govt. Medical College, Jammu have been combined to make it whole number (1 seat) and the seat will be allotted to the **Female** candidate of ALC category in 2015 by following the rotational policy.
- III. Fractional seats (.5) of CDP and JKPM in Govt. Medical College, Jammu have been combined together to make it whole number (1 seat) and the seat will be allotted to the **Female** candidate of CDP category in 2015 by following the rotational policy.
- IV. Fractional seats (.5) of STO and JKPM in Govt. Medical College, Srinagar have been combined together to make it whole number (1 seat) and the seat will be allotted to the **Male** candidate of STO category in 2015 by following the rotational policy.
- V. Fractional seats (.5) of ALC and CDP in Govt. Medical College, Srinagar have been combined together to make it whole number (1 seat) and the seat will be allotted to the **Male** candidate of these two categories having higher merit in 2015 and it will go to **Female** candidate of the other category having higher merit in 2016 by following the rotational policy.
- VI. One seat of STO has been rotated between male and female every year and this year this seat will be allotted to male candidate in 2015.
- VII. Fractional seats (.5) of STO and ALC in Govt. Indra Gandhi Dental College, Jammu have been combined together to make it whole number (1 seat) and the seat will be allotted to the **Female** candidate of **STO** and next year (2016) it will be allotted to **Male ALC** by following rotational policy.

- VIII. Fractional seats (.5) of CDP and JKPM in Govt. Indra Gandhi Dental College, Jammu have been combined together to make it whole number (1 seat) and the seat will be allotted to **Male** candidate of **JKPM** by following the rotational policy.
- IX. Fractional seats (.5) of STO and ALC in Govt. Dental College Srinagar have been combined together to make it whole number (1 seat). This seat will be allotted to **Male** candidate of **ALC** by following rotational policy with Govt. Indra Gandhi Dental College, Jammu.
- X. Fractional seats (.5) of CDP and JKPM in Govt. dental College Srinagar have been combined together to make it whole number (1 seat). This seat will be allotted to **male** candidate of **CDP** by following rotational policy with Govt. Indra Gandhi Dental College, Jammu.
- XI. Two reserve category seats of dental hygiene in Govt. Dental College Srinagar will be decided on the basis of rotation policy.

## ANNEXURE–XI

### Common Entrance Test

## SAMPLE REPRESENTATION REGARDING ANSWER KEY

Name: **T. A. Khan**

Paper: **(PHYSICS)**

Series: **A**

Roll No: **5BOP9999**

Year: **2015**

Series ----

S. No	QN	Answer Option in the Question Paper	Answer Suggested by the Candidate	Title of the Book	Author of the Book	Edition	Volume	Page No.	Additional Comments (if Required)
1	5	A	C	Conceptual Physics	Paul G. Hewitt	4TH ED.	II	28	QUESTION IS INCORRECTLY FRAMED
2	6	B	D	Do	Do	do	do	do	QUESTION IS INCORRECTLY FRAMED
3									
4									
5									
6									

Contact No:

Alternative Contact No

**Name and Signature of the Candidate**

## ANNEXURE–XII

### Prohibition and Guidelines for Preventing Ragging

#### (i) Prohibition

Carrying of cellphone, pager, calculator or any other electronic gadget to the Entrance Test Centre is strictly prohibited. Neither BOPEE will make any arrangement for the safe custody of any of these items nor will it be responsible for loss of any such item. Hence the candidates are directed not to carry such items with them while going to respective Entrance Test centres for taking the Entrance Test .

#### (ii) Guidelines

*The guidelines to curb the menace of ragging in professional colleges issued by the Hon'ble Supreme Court of India.*

1. An annual undertaking signed by each student, whether fresher or senior and his/her parent(s) jointly stating that each of them have read the relevant instructions/regulations against ragging, as well as punishments, and that if the ward has been found guilty he/she shall be proceeded against, shall be prosecuted..
2. Such an undertaking shall be furnished in English as well as vernacular (mother tongue of the parent) at the beginning of each academic year by every student.
3. An undertaking to the similar effect should be obtained every year from each student admitted to the hostel.
4. The compliance to the above effect shall be ensured by each of the affiliating university to which the concerned institution is affiliated and would be verified by them annually.
5. In order to ensure “the ragging free environment” in the campus, each institution shall compulsorily in the prospectus and other admission related documents, shall depict the earlier directions of the Apex Court and/or of the Central or State Governments as applicable, so that candidates and their parents are sensitised for the same.

## **Annexure-XIII**

### **MCI Regulations for Prevention and prohibition of Ragging**

**MEDICAL COUNCIL OF INDIA  
NOTIFICATION  
New Delhi , the 3rd August, 2009**

No. MCI-34(1)/2009-Med./25453, In exercise of the powers conferred by Section 33 of the Indian Medical Council Act, 1956 (102 of 1956) the Medical Council of India with the previous sanction of the Central Government hereby makes the following Regulations, namely:-

#### **1. Short title, commencement and applicability**

(i) These Regulations may be called the Medical Council of India (Prevention and Prohibition of Ragging in Medical Colleges/Institutions) Regulations, 2009.

(ii) They shall come into force on the date of their publication in the Official Gazette.

#### **2. Objective:-**

To root out ragging in all its forms from medical colleges/institutions in the country by prohibiting it by law, preventing its occurrence by following the provisions of these Regulations and punishing those who indulge in ragging as provided for in these Regulations and the appropriate law in force.

#### **3. Definitions:- For the purposes of these Regulations:-**

3.1 "Medical College" means an institution, whether known as such or by any other name, which provides for a programme, beyond 12 years of schooling, for obtaining recognized MBBS qualification from a university and which, in accordance with the rules and regulations of such university, is recognized as competent to provide for such programmes of study and present students undergoing such programmes of study for the examination for the award of recognized MBBS/PG Degree/Diploma qualifications.

3.2 "Head of the institution" means the Dean/Principal/Director of the concerned medical college/institution.

3.3 Ragging" includes the following:

Any conduct whether by words spoken or written or by an act which has the effect of harassing, teasing, treating or handling with rudeness any other student, indulging in rowdy or undisciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or a junior student or asking the students to do any act or

perform something which such student will not in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect the physique or psyche of a fresher or a junior student.

3.4 MCI means MCI constituted in terms of Section 3 of Indian Medical Council Act, 1956.

3.5 "University" means a university established or incorporated by or under a Central Act, a Provincial Act or a State Act, an institution deemed to be university under Section 3 of the UGC Act, 1956, or an institution specially empowered by an Act of Parliament to confer or grant degrees.

#### **4. Punishable ingredients of Ragging:-**

- Abetment to ragging;
- Criminal conspiracy to rag;
- Unlawful assembly and rioting while ragging;
- Public nuisance created during ragging;
- Violation of decency and morals through ragging;
- Injury to body, causing hurt or grievous hurt;
- Wrongful restraint;
- Wrongful confinement;
- Use of criminal force;
- Assault as well as sexual offences or even unnatural offences;
- Extortion;
- Criminal trespass;
- Offences against property;
- Criminal intimidation;
- Attempts to commit any or all of the above mentioned offences against the victim(s);
- Physical or psychological humiliation.
- All other offences following from the definition of "Ragging".

#### **5. Measures for prohibition of ragging:-**

5.1 The Medical College/Institution / University shall strictly observe the provisions of the Act of the Central Government and the State Governments, if any, or if enacted and / or for the time being in force, considering ragging as a cognizable offence under the law at par with rape and other atrocities against women and ill-treatment of persons belonging to the SC/ST and prohibiting ragging in all its

forms in all institutions.

5.2 Ragging in all its forms shall be totally banned in the entire Medical College/Institution / University including its departments, constituent units, all its premises (academic, residential, sports, canteen, etc) whether located within the campus or outside and in all means of transportation of students whether public or private.

5.3 The Medical College/Institution / University shall take strict action against those found guilty of ragging and/or of abetting ragging.

## **6. Measures for prevention of ragging at the institution level:-**

### **6.1 Before admissions:-**

6.1.1 The advertisement for admissions shall clearly mention that ragging is totally banned / prohibited in the Medical College/Institution and anyone found guilty of ragging and/or abetting ragging is liable to be punished appropriately.

6.1.2 The brochure of admission/instruction booklet for candidates shall print in block letters these Regulations in full (including Annexures).

6.1.3 The 'Prospectus' and other admission related documents shall incorporate all directions of the Hon'ble Supreme Court and /or the Central or State Governments as applicable, so that the candidates and their parents/ guardians are sensitized in respect of the prohibition and consequences of ragging.

6.1.4 A Brochure or booklet/leaflet shall be distributed to each student at the beginning of each academic session for obtaining undertaking not to indulge or abet ragging and shall contain the blueprint of prevention and methods of redress.

The application form for admission/ enrolment shall have a printed undertaking, preferably both in English/Hindi and in one of the regional languages known to the institution and the applicant (English version given in Annexure I, Part I), to be filled up and signed by the candidate to the effect that he/she is aware of the law regarding prohibition of ragging as well as the punishments, and to the effect that he/she has not been expelled and/or debarred from admission by any institution and that he/she, if found guilty of the offence of ragging and/or abetting ragging, is liable to be punished appropriately.

6.1.5 The application form shall also contain a printed undertaking, preferably both in English/Hindi and in one of the regional languages known to the institution and the parent/ guardian (English version given in Annexure I, Part II), to be signed by the parent/ guardian of the applicant to the effect that he/ she is also aware of the law in this regard and agrees to abide by the punishment meted out to his/ her ward in case the latter is found guilty of ragging and/or abetting ragging.

A database shall be created out of affidavits affirmed by each student and his/her parents/guardians stored electronically, and shall contain the details of each student. The database shall also function as a record of ragging complaints received.

6.1.6 The application for admission shall be accompanied by a document in the form of the School Leaving Certificate/transfer certificate/migration certificate/ Character Certificate which shall include a report on the behavioral pattern of the applicant, so that the institution can thereafter keep intense watch upon a student who has a negative entry in this regard.

6.1.7 A student seeking admission to the hostel shall have to submit additional undertaking in the form of Annexure I (both Parts) along with his/ her application for hostel accommodation.

6.1.8 At the commencement of the academic session the Head of the Institution shall convene and address a meeting of various functionaries/agencies, like Wardens, representatives of students, parents/ guardians, faculty, district administration including police, to discuss the measures to be taken to prevent ragging in the Institution and steps to be taken to identify the offenders and punish them suitably.

6.1.9 To make the community at large and the students in particular aware of the dehumanizing effect of ragging, and the approach of the institution towards those indulging in ragging, big posters (preferably multicolored with different colours for the provisions of law, punishments, etc.) shall be prominently displayed on all Notice Boards of all departments, hostels and other buildings as well as at vulnerable places. Some of such posters shall be of permanent nature in certain vulnerable places.

6.1.10 Apart from placing posters mentioned in sub-clause 6.1.9 above at strategic places, the Medical College/Institution shall undertake measures for extensive publicity against ragging by means of audio-visual aids, by holding counseling sessions, workshops, painting and design competitions among students and other methods as it deems fit.

6.1.11 The Medical College/Institution/University shall request the media to give adequate publicity to the law prohibiting ragging and the negative aspects of ragging and the institution's resolve to ban ragging and punish those found guilty without fear or favour.

6.1.12 The Medical College /Institution/ University shall identify, properly illuminate and man all vulnerable locations.

6.1.13 The Medical College/Institution/University shall tighten security in its premises, especially at the vulnerable places. If necessary, intense policing shall be resorted to at such points at odd hours during the early months of the academic session.

6.1.14 The Medical College/Institution/University shall utilize the vacation period before the start of the new academic year to launch wide publicity campaign against ragging through posters, leaflets, seminars, street plays, etc.

6.1.15 The faculties/ departments/ units of the Medical College/Institution /University shall have induction arrangements (including those which anticipate, identify and plan to meet any special needs of any specific section of students) in place well in advance of the beginning of the academic year with a clear sense of the main aims and objectives of the induction process.

The Principal or Head of the Institution/Department shall obtain an undertaking from every employee of the institution including teaching and non-teaching members of staff, contract labour employed in

the premises either for running canteen or as watch and ward staff or for cleaning or maintenance of the buildings/lawns etc. that he/she would report promptly any case of ragging which comes to his/her notice. A provision shall be made in the service rules for issuing certificates of appreciation to such members of the staff who report ragging which will form part of their service record.

## **6.2. On admission:-**

6.2.1 Every fresher admitted to the Medical College/Institution/University shall be given a printed leaflet detailing when and to whom he/she has to turn to for help and guidance for various purposes (including Wardens, Head of the institution, members of the anti-ragging committees, relevant district and police authorities), addresses and telephone numbers of such persons/authorities, etc., so that the fresher need not look up to the seniors for help in such matters and get indebted to them and start doing things, right or wrong, at their behest. Such a step will reduce the freshers' dependence on their seniors.

Every institution should engage or seek the assistance of professional counselors at the time of admissions to counsel 'freshers' in order to prepare them for the life ahead, particularly for adjusting to the life in hostels.

6.2.2 The Medical College/Institution/University through the leaflet mentioned above shall explain to the new entrants the arrangements for their induction and orientation which promote efficient and effective means of integrating them fully as students.

6.2.3 The leaflet mentioned above shall also inform the freshers about their rights as bonafide students of the institution and clearly instructing them that they should desist from doing anything against their will even if ordered by the seniors, and that they have nothing to fear as the institution cares for them and shall not tolerate any atrocities against them.

6.2.4 The leaflet mentioned above shall contain a calendar of events and activities laid down by the institution to facilitate and complement familiarization of freshers with the academic environment of the institution.

6.2.5 The Medical College/Institution/University shall also organize joint sensitization programmes of 'freshers' and seniors.

On the arrival of senior students after the first week or after the second week as the case may be, further orientation programmes must be scheduled as follows (i) joint sensitization programme and counseling of both 'freshers' and senior by a Professional counselor; (ii) joint orientation programme of 'freshers' and seniors to be addressed by the principal/Head of the institution, and the anti -ragging committee ; (iii) organization on a large scale of cultural, sports and other activities to provide a platform for the 'freshers' and seniors to interact in the presence of faculty members ; (iv) in the hostel, the warden should address all students; may request two junior colleagues from the college faculty to assist the warden by becoming resident tutors for a temporary duration.

6.2.6 Freshers shall be encouraged to report incidents of ragging, either as victims, or even as witnesses.

### **6.3. At the end of the academic year:-**

6.3.1 At the end of every academic year the Dean/Principal/Director shall send a letter to the parents/guardians of the students who are completing the first year informing them about the law regarding ragging and the punishments, and appealing to them to impress upon their wards to desist from indulging in ragging when they come back at the beginning of the next academic session.

6.3.2 At the end of every academic year the Medical College/Institution /University shall form a 'Mentoring Cell' consisting of Mentors for the succeeding academic year. There shall be as many levels or tiers of Mentors as the number of batches in the institution, at the rate of 1 Mentor for 6 freshers and 1 Mentor of a higher level for 6 Mentors of the lower level.

Each batch of freshers should be divided into small groups and each such group shall be assigned to a member of the staff. Such staff member should interact individually with, each member of the group on a daily basis for ascertaining the problems/difficulties if any faced by the fresher in the institution and extending necessary help.

In the case of freshers admitted to a hostel it shall be the responsibility of the teacher in charge of the group to coordinate with the warden of the hostel and to make surprise visits to the rooms in the hostel where the members of the group are lodged.

### **6.4. Setting up of Committees and their functions:-**

6.4.1 The Anti-Ragging Committee:- Every institution shall have an Anti-Ragging Committee and an Anti -Ragging Squad. The Anti-Ragging Committee shall be headed by the Head of the institution and shall consist of representatives of civil and police administration, local media, Non Government Organizations involved in youth activities, faculty members, parents, students belonging to the freshers' category as well as seniors and non-teaching staff. It shall monitor the Anti Ragging activities in the institution, consider the recommendations of the Anti-Ragging Squad and take appropriate decisions, including spelling out suitable punishments to those found guilty.

6.4.2 The Anti-Ragging Squad:- The Anti-Ragging Squad shall be nominated by the Head of the institution with such representation as considered necessary and shall exclusively consist of members belonging to the various sections of the campus community. The Squad shall have vigil, oversight and patrolling functions. It shall be kept mobile, alert and active at all times and shall be empowered to inspect places of potential ragging and make surprise raids on hostels and other hot spots. The Squad shall investigate incidents of ragging and make recommendations to the Anti-Ragging Committee and shall work under the overall guidance of the Anti-Ragging Committee.

All matters of discipline within teaching institutions must be resolved within the campus except those impinging on law and order or breach of peace or public tranquility, all of which should be dealt with under the penal laws of the land

**University Monitoring Cell** At the level of the University, we recommend that there should be a Monitoring Cell on Ragging, which should coordinate with the affiliated colleges and institutions under its domain. The Cell should call for reports from the Heads of institutions in regard to the activities of the Anti-Ragging Committee, Anti - Ragging Squads, Monitoring Cells at the level of the

institution, the compliance with instructions on conducting orientation programmes, counseling sessions, the incidents of ragging, the problems faced by wardens or other officials. It should also keep itself abreast of the decisions of the District level Anti – Ragging Committee. This Monitoring Cell should also review the efforts made by institutions to publicize anti - ragging measures, soliciting of undertaking from parents and students each year to abstain from ragging activities or willingness to be penalized for violations; and should function as the prime mover for initiating action on the part of the appropriate authorities of the university for amending the Statutes or Ordinances or Bye -laws to facilitate the implementation of anti-ragging measures at the level of the institution.

#### **6.5. Other measures:-**

6.5.1 The Annexures mentioned in 6.1.4, 6.1.5 and 6.1.7 of these Regulations shall be furnished at the beginning of each academic year by every student, that is, by freshers as well as seniors.

6.5.2 The Medical College/Institution /University shall arrange for regular and periodic psychological counseling and orientation for students (for freshers separately, as well as jointly with seniors) by professional counselors during the first three months of the new academic year. This shall be done at the institution and department/ course levels. Parents and teachers shall also be involved in such sessions.

6.5.3 Full-time warden shall be appointed as per the eligibility criteria laid down for the post reflecting both the command and control aspects of maintaining discipline, as well as the softer skills of counseling and communicating with the youth outside the class-room situations. Wardens shall be accessible at all hours and shall be provided with mobile phones and the details of their telephone number must be widely publicized. Similarly, the telephone numbers of the other important functionaries - Heads of institutions, faculty members, members of the anti-ragging committees, district and sub-divisional authorities and state authorities where relevant, should also be widely disseminated for the needy to get in touch or seek help in emergencies. The institution shall review and suitably enhance the powers and perquisites of Wardens and authorities involved in curbing the menace of ragging.

Further the institutions shall provide necessary incentives for the post of full-time warden, so as to attract suitable candidates.

6.5.4 Freshers shall be lodged in a separate hostel block, wherever possible, and where such facilities are not available, the college/institution shall ensure that seniors' access to freshers' accommodation is strictly monitored by wardens, security guards and college staff.

As ragging takes place mostly in the hostels after the classes are over in the college, a round the clock vigil against ragging in the hostel premises shall be provided. It is seen, that college canteens and hostel messes are also places where ragging often takes place. The employers/employees of the canteens/mess shall be given necessary instructions to keep strict vigil and to report the incidents of ragging to the college authorities if any.

The security personnel posted in hostels shall be under the direct control of the Wardens and

assessed by them.

6.5.5 Private commercially managed lodges and hostels shall be registered with the local police authorities, and this shall be done necessarily on the recommendation of the Head of the institution. Local police, local administration and the institutional authorities shall ensure vigil on incidents that may come within the definition of ragging and shall be responsible for action in the event of ragging in such premises, just as they would be for incidents within the campus. Managements of such private hostels shall be responsible for action in the event of ragging in such premises, just as they would be for incidents within campuses.

6.5.6 Besides registering private hostels as stated above, the towns or cities where educational institutions are located should be apportioned as sectors among faculty members, as is being done by some institutions, so that they could maintain vigil and report any incidents of ragging outside campuses and en route while 'freshers' commute.

6.5.7 The Head of the institution shall take immediate action on receipt of the recommendations of the Ant-Ragging Squad. He/ She shall also take action suo motu if the circumstances so warrant.

6.5.8 Freshers who do not report the incidents of ragging either as victims or as witnesses shall also be punished suitably.

6.5.9 Anonymous random surveys shall be conducted across the 1st year batch of students (freshers) every fortnight during the first three months of the academic year to verify and cross-check whether the campus is indeed free of ragging or not. The institution may design its own methodology of conducting such surveys.

6.5.10 The burden of proof shall lie on the perpetrator of ragging and not on the victim.

6.5.11 The institution shall file an FIR with the police / local authorities whenever a case of ragging is reported, but continue with its own enquiry and other measures without waiting for action on the part of the police/ local authorities. Remedial action shall be initiated and completed within the one week of the incident itself.

6.5.12 The Migration/Transfer Certificate issued to the student by the Medical College/Institution /University shall have an entry, apart from those relating to general conduct and behaviour, whether the student has been punished for the offence of committing or abetting ragging, or not, as also whether the student has displayed persistent violent or aggressive behaviour or any inclination to harm others.

6.5.13 Preventing or acting against ragging shall be the collective responsibility of all levels and sections of authorities or functionaries in the Medical College/Institution /University, including faculty, and not merely that of the specific body/ committee constituted for prevention of ragging.

6.5.14 As such the college canteens and hostel messes are also places where ragging often takes place, hence the employers/employees of the canteens/mess shall be given necessary instructions to keep strict vigil and to report the incidents of ragging to the college authorities, if any.

Further access to mobile phones and public phones shall be unrestricted in hostels and campuses,

except in class-rooms, seminar halls, library etc. where jammers shall be installed to restrict the use of mobile phones.

## **6.6 Measures for encouraging healthy interaction between freshers and seniors:-**

6.6.1 The Medical College/Institution /University shall set up appropriate committees including the course-in-charge, student advisor, Warden and some senior students to actively monitor, promote and regulate healthy interaction between the freshers and senior students.

6.6.2 Freshers' welcome parties shall be organized in each department by the senior students and the faculty together soon after admissions, preferably within the first two weeks of the beginning of the academic session, for proper introduction to one another and where the talents of the freshers are brought out properly in the presence of the faculty, thus helping them to shed their inferiority complex, if any, and remove their inhibitions.

6.6.3 The Medical College/Institution /University shall enhance the student-faculty interaction by involving the students in all matters of the institution, except those relating to the actual processes of evaluation and of faculty appointments, so that the students shall feel that they are responsible partners in managing the affairs of the institution and consequently the credit due to the institution for good work/ performance is due to them as well.

## **7. Regulatory Measures**

The inspecting/visiting committees of MCI shall cross verify that the medical college/institution has strictly complied with the anti ragging measures and has a blemishless record in terms of there being no incident of ragging during the impending period (i.e. from earlier inspection) or otherwise.

## **8. Awardable Punishments.**

### **8.1 At the Medical College/Institution level:**

Depending upon the nature and gravity of the offence as established by the Anti-Ragging Committee of the institution, the possible punishments for those found guilty of ragging at the institution level shall be any one or any combination of the following:

8.1.1 Suspension from attending classes and academic privileges.

8.1.2 Withholding/withdrawing scholarship/ fellowship and other benefits

8.1.3 Debarring from appearing in any test/ examination or other evaluation Process.

8.1.4. Withholding results

8.1.5 Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.

8.1.6 Suspension/ expulsion from the hostel

8.1.7 Cancellation of admission.

8.1.8 Rustication from the institution for period ranging from 1 to 4 semesters

8.1.9 Expulsion from the institution and consequent debarring from admission to any other institution for a specific period.

8.1.10 Fine of Rs. 25,000/- and Rs. 1 lakh.

8.1.11 Collective punishment: When the persons committing or abetting the crime of ragging are not identified, the institution shall resort to collective punishment.

**8.2 Penal consequences for the heads of the institutions/administration of the institution who do not take timely steps in the prevention of ragging and punishing those who rag.**

The authorities of the institution particularly the Head of the institution, shall be responsible to ensure that no incident of ragging takes place in the institution. In case any incident of ragging takes place, the Head shall take prompt and appropriate action against the person (s) whose dereliction of duty lead to the incident. The authority designated to appoint the Head shall, in its turn, take prompt and appropriate action against the Head.

In addition to penal consequences, departmental enquiries be initiated against such heads institutions / members of the administration / faculty members / non-teaching staff, who display an apathetic or insensitive attitude towards complaints of ragging.

**8.3 At the MCI level**

8.3.1 Impose an exemplary fine of Rs. 1 lakh for each incident of ragging payable by erring medical college/institution to such authority as may be designated by the appropriate Govt., as the case may be.

8.3.2 Declare the erring Medical College /Institution/ University as not having the minimum academic standards and warning the potential candidates for admission at such institution through public notice and posing on the MCI website.

8.3.3 Declare the erring Medical College /Institution/ University to be ineligible for preferring any application u/s 10A of the Indian Medical Council Act, 1956 for a minimum period of one year, extendable by such quantum by the Council as would be commensurate with the wrong.

**(Lt. Col. (Retd.) Dr. A.R.N. Setalvad)**

**SECRETARY**

**ANNEXURE I, Part I**  
**UNDERTAKING BY THE CANDIDATE/STUDENT**

1. I, \_\_\_\_\_

S/o. D/o. of Mr./Mrs./Ms. \_\_\_\_\_, have carefully read and fully understood the law prohibiting ragging and the directions of the Supreme Court and the Central/State Government in this regard.

2. I have received a copy of the MCI Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009.

3. I hereby undertake that-

- I will not indulge in any behavior or act that may come under the definition of ragging,
- I will not participate in or abet or propagate ragging in any form,
- I will not hurt anyone physically or psychologically or cause any other harm.

4. I hereby agree that if found guilty of any aspect of ragging, I may be punished as per the provisions of the MCI Regulations mentioned above and/or as per the law in force.

Signed this \_\_\_\_ day of \_\_\_\_\_ month of \_\_\_\_ year

**Signature**

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name:

(1) Witness:

(2) Witness:

**ANNEXURE I, Part II**  
**UNDERTAKING BY PARENT/GUARDIAN**

1. I, \_\_\_\_\_

F/o. M/o. G/o \_\_\_\_\_, have carefully read and fully understood the law prohibiting ragging and the directions of the Hon'ble Supreme Court and the Central/State Government in this regard as well as the MCI Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009.

2. I assure you that my son/ daughter/ ward will not indulge in any act of ragging.

3. I hereby agree that if he/she is found guilty of any aspect of ragging, he/she may be punished as per the provisions of the MCI Regulations mentioned above and/or as per the law in force.

Signed this \_\_\_\_\_ day of \_\_\_\_\_ month of \_\_\_\_\_ Year

**Signature**

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name:

(1) Witness:

(2) Witness:

**ANNEXURE I, Part I**  
**UNDERTAKING BY THE CANDIDATE/STUDENT**

1. I, \_\_\_\_\_

S/o. D/o. of Mr./Mrs./Ms. \_\_\_\_\_, have carefully read and fully understood the law prohibiting ragging and the directions of the Supreme Court and the Central/State Government in this regard.

2. I have received a copy of the MCI Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009.

3. I hereby undertake that-

- I will not indulge in any behavior or act that may come under the definition of ragging,
- I will not participate in or abet or propagate ragging in any form,
- I will not hurt anyone physically or psychologically or cause any other harm.

4. I hereby agree that if found guilty of any aspect of ragging, I may be punished as per the provisions of the MCI Regulations mentioned above and/or as per the law in force.

Signed this \_\_\_\_\_ day of \_\_\_\_\_ month of \_\_\_ year

**Signature**

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Name:

(1) Witness:

(2) Witness:

**ANNEXURE I, Part II**  
**UNDERTAKING BY PARENT/GUARDIAN**

1. I, \_\_\_\_\_

F/o. M/o. G/o \_\_\_\_\_, have carefully read and fully understood the law prohibiting ragging and the directions of the Hon'ble Supreme Court and the Central/State Government in this regard as well as the MCI Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009.

2. I assure you that my son/ daughter/ ward will not indulge in any act of ragging.

3. I hereby agree that if he/she is found guilty of any aspect of ragging, he/she may be punished as per the provisions of the MCI Regulations mentioned above and/or as per the law in force.

Signed this \_\_\_\_\_ day of \_\_\_\_\_ month of \_\_\_\_\_ Year

**Signature**

Address: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Name:

(1) Witness:

(2) Witness:

## THE JAMMU AND KASHMIR

### BOPEE OF PROFESSIONAL ENTRANCE EXAMINATIONS

Jammu	<ul style="list-style-type: none"><li>• 4th Floor, South Block, Bahu Plaza, Jammu - 180012</li><li>• +91 191 - 2470102, +91 191 - 2479371</li></ul>
Srinagar	<ul style="list-style-type: none"><li>• Baghat-i-Barzulla, Opposite J&amp;K Bank, Srinagar - 190005</li><li>• +91 194 - 2433590, +91 194 2433760</li></ul>
Website	<ul style="list-style-type: none"><li>• <a href="http://www.jakbopee.org">http://www.jakbopee.org</a></li><li>• <a href="http://www.jakbopee.net">http://www.jakbopee.net</a></li></ul>
email	<ul style="list-style-type: none"><li>• <a href="mailto:administrator@jakbopee.org">administrator@jakbopee.org</a></li><li>• <a href="mailto:info@jakbopee.org">info@jakbopee.org</a></li></ul>
Help Desk	<ul style="list-style-type: none"><li>• +91 194 2437647</li></ul>