



# YOGI VEMANA UNIVERSITY, KADAPA

## RESEARCH COMMON ENTRANCE TEST – 2015

### (YVURESCET-2015)

[For Admission into Ph. D programme (Full-time)]

#### INSTRUCTIONS TO CANDIDATES

##### I. GENERAL

1. Directorate of Admissions (DOA) invites applications for admission into Research Programme leading to Ph. D. (Full Time) in the different disciplines offered by Yogi Vemana University, Kadapa including Y. S. R. College of Engineering, Proddatur for the academic year 2015-16.
2. The admissions are governed by the rules and regulations of YVURESCET-2015 as given below. The Central Admission Committee of YVURESCET-2015 reserves the right to change or modify the rules.
3. For getting admission, candidate should qualify YVURESCET-2015 and satisfy the eligibility criteria prescribed for the concerned discipline.
4. Students those who have qualified CSIR-JRF (NET) and UGC-JRF (NET) with valid time only are exempted from appearing YVURESCET-2015. However they have to apply in response to the notification.
5. No candidate is entitled to pursue more than one full time course at a time. If admitted in Ph. D., no candidate can undertake any other assignment or employment, or study any other course simultaneously with the exception of evening part time courses offered by the University.
6. The University reserves the right to offer or not to offer a Ph. D program in particular subject.
7. Qualifying in the YVURESCET-2015 does not guarantee the admission. The candidate must satisfy all the eligibility criteria prescribed for the course.
8. If it is proved that any of the certificates submitted by a candidate is found to be false or tampered with fake, the candidate not only loses seat but also liable for prosecution.
9. Notwithstanding anything in this booklet, the rules and regulations that are in force in the University from time to time are applicable.
10. University reserves the right to modify Courses/Seats/Fees and the same will be made available in the website [www.yvudoa.in](http://www.yvudoa.in) and [www.yogivemanauniversity.ac.in](http://www.yogivemanauniversity.ac.in).

## II. SUBJECTS OFFERED AND ELIGIBILITY CRITERIA

Yogi Vemana University offers Research program leading to Ph. D. (Full Time Only) in the following subjects and the eligibility criteria for respective courses are furnished below along with research fields of interest and tentative vacancies in various disciplines.

### Yogi Vemana University College, Kadapa

Department	Subject Code	Eligibility	Tentative Vacancies
Animal Science (Zoology)	01	M. Sc with Zoology/Biochemistry/ Biotechnology/Microbiology/ Genetics & Genomics	08
Applied Mathematics	02	M. Sc with Applied Mathematics/ Mathematics	07
Biochemistry	03	M. Sc. with Biochemistry	01
Biotechnology	04	M. Sc with Biotechnology	02
Biotechnology & Bioinformatics	05	M. Sc with Biotechnology and Bioinformatics/Any Life Science	08
Business Management	06	MBA/MBA(HR)/MHRM	15
Chemistry	07	M. Sc with Inorganic/ Organic/ Medicinal/Physical/ Analytical/Industrial/Polymer/ Environmental Chemistry	07
Commerce	08	M. Com	06
Earth Sciences	09	M. Sc with Earth Science/ Geology/Geoinformatics/ Geochemistry/Applied Geology	06
Economics	10	M. A with Economics/Applied Economics	07
English	11	M. A with English	10
Environmental Science	12	M. Sc with Environmental Science/Chemistry/Botany/Zoology, Geology/Any Life Science	03
Genetics & Genomics	13	M. Sc with Genetics & Genomics/Botany/Zoology/ Biochemistry/Microbiology/ Biotechnology/Biotechnology & Bioinformatics/ Any Life Science	05
Geology	14	M. Sc with Geology/ Applied Geology/Applied Geochemistry/Geophysics/Earth Sciences/Geoinformatics/ Marine Geology	09
History &	15	M. A with History/Archaeology/ Allied	08

Archaeology		subjects (Art/Paint/Culture etc.)	
Materials Science & Nanotechnology	16	M. Sc with Materials Science & Nanotechnology/ Nanoscience & Nanotechnology/ Nanomaterials/Polymer Science/Materials Science	06
Microbiology	17	M. Sc with Microbiology/ Applied Microbiology/ Industrial Microbiology	07
Physical Education & Sports Sciences	18	M. P. Ed/M. P. E	04
Physics	19	M. Sc with Physics, Applied Physics, M.Tech Physics/ Space Technology.	11
Plant Science (Botany)	20	M. Sc with Botany/Plant Science/Any Life Science	04
Political Science & Public Administration	21	M. A with Political Science & Public Administration/Sociology and Law	08
Psychology	22	M. Sc/M. A with Psychology	04
Telugu	23	M. A with Telugu	04

#### Y. S. R. College of Engineering, Proddatur

Department	Subject Code	Eligibility	Tentative Vacancies
Civil Engineering	24	M. Tech/ME with Civil Engineering	02
Computer Science & Engineering	25	M. Tech/ME with Computer Science Engineering	01
Electronics & Communication Engineering	26	M. Tech/ME with Electronics & Communication Engineering	01
Mechanical Engineering	27	M. Tech/M. E with Mechanical Engineering	02

#### RESEARCH FIELDS OF INTEREST IN VARIOUS DISCIPLINES

Subject Code	Department	Research Fields of Interest
1.	Animal Science (Zoology)	Animal Biotechnology, Ecology, Environmental Biology & Biodiversity, Molecular Biology, Clinical Biochemistry, Toxicology, Neuro Biology, Bioinformatics

2.	Applied Mathematics	Algebra (Semi-groups), Fluid dynamics, Graph Theory
3.	Biochemistry	Clinical Biochemistry, Herbal drugs, Basic Neuro Chemistry, Crustacean Molecular Endocrinology, Reproductive Toxicology
4.	Biotechnology	Plant Biotechnology, Plant Molecular Genetics & Functional Genomics
5.	Biotechnology & Bioinformatics	Plant Physiology, Biochemistry, Molecular Biology, Environmental Biology, Animal Biotechnology, Proteomics & Bioinformatics
6.	Business Management	Finance, Marketing & Human Resource Management
7.	Chemistry	Organic Synthesis & Methodology, Asymmetric Synthesis, Bioactive Natural Products, Organo metallic Chemistry, Bio-organic Chemistry, Polymeric Drugs, Nano Drug Delivering devices, Inorganic Nano Materials & Electro Chemistry
8.	Commerce	Accounting, Finance, Marketing, Human Resource Management, Entrepreneurship and IT in Business
9.	Earth Science	Hydro Geology, Medical Ecology, Remote Sensing & GIS, Watershed Management, Sedimentology, Geochemistry.
10.	Economics	Agriculture Economics, Industrial Economics, Quantitative Methods, Development Economics, International Economics & Globalization, Economics of Education, Public Economics, Health Economics.
11.	English	British Literature, Indian English Literature & commonwealth Literature, American Literature, Indian Writing in English, Indian Poetry in English Literary Criticism and Theories, Contemporary Literary Criticism, Indian English Literature, Writers of Diaspora Indian Writing in English, English language, English language teaching and Communication Skills
12.	Environmental Science	Plant Biotechnology, Plant tissue culture GMO, Risk assessment, Photo-biology, Plant Taxonomy, Ethnobotany, Medicinal Plants, Biodiversity, Forest Ecology, Waste Water treatment, Environmental Chemistry.
13.	Genetics & Genomics	Plant Molecular Biology, Applied Microbiology (Phytopathology), Molecular Virology & Genetic Engineering, Plant Biotechnology, Molecular Biology, Cancer Immunology and developmental immunology
14.	Geology	Ground water, Remote Sensing, Marine Pollution, Environmental Geoscience, Petrology, Mineral Exploration, Environmental Geochemistry, Hydrogeology

15.	History & Archaeology	Modern Indian History, Ancient Indian History & Archaeology
16.	Materials Science and Nanotechnology	Nanomaterials for Energy & Environmental Applications/Heterogeneous Catalysis, Polymer Materials / Solar Cells, Analytical, Inorganic Chemistry, Separations of Materials, Nanoparticles synthesis and applications, Magnetic, Ferroelectric Materials and their composites.
17.	Microbiology	Microbial biotechnology, Biocontrol Plant virology, Immunodiagnosics, Immunology, Cell Biology, Industrial Microbiology, Microbial Diversity, Molecular Biology, Bioinformatics, Environmental Biotechnology, Microbial Bioremediation & Enzymology
18.	Physical Education & Sports Science	Exercise Physiology, Science of Sports training, Biomechanics & Kinesiology, Sports Psychology, Test, Measurement and Evaluation
19.	Physics	Atmospheric Physics, Digital Radio Communication, Spectroscopy, Solid State Spectroscopy, Nano-Science and Nano-Technology, Thin film solar cells and Nano Crystalline films, Dye sensitized solar cells, Ferroelectrics, Multi ferric Nano Materials
20.	Plant Science (Botany)	Plant Biotechnology, Biodiversity, Conservation of Medicinal Plants
21.	Political Science & Public Administration	Personal Management, Rural Development, Urban Development, Politics in A.P., Tribal Development Studies, Governance
22.	Psychology	Adulthood & Aging, Counselling, Organisational Psychology & Educational Psychology
23.	Telugu	Classical Poetry, Modern Poetry, Folk Literature
24.	Civil Engineering	Civil Engineering
25.	Computer Science & Engineering	Computer Science Engineering
26.	Electronics & Communication Engineering	Electronics and Communications Engineering
27.	Mechanical Engineering	Mechanical Engineering

### **III. ELIGIBILITY FOR WRITING THE ENTRANCE TEST**

1. Candidate should have passed the qualifying examination with a minimum of 55% marks or equivalent letter grade in the concerned subject. However, a relaxation of 5% is allowed for SC/ST/PH candidates.
2. **Candidates who have passed the qualifying PG examinations in the academic year 2014-15 or earlier are only eligible to apply.** Supplementary candidates if any of the academic year 2014-15 are not eligible.
3. For Ph. D. programme in Engineering, a candidate should have passed Master's degree in Engineering/Technology with First class either at Under-Graduate level or at Post-Graduate level.

### **IV. HOW TO APPLY**

Candidate has to submit an online application by paying the prescribed fee of Rs. 500/- by following the instructions given in **www.yvudoa.in** website. A candidate desirous to apply for more than one course is instructed to submit separate application through online for each subject. The copy of the filled-in application with necessary certificates should be submitted either in person or sent by Registered Post on or before **25-09-2015** at 5:00 pm to the following address:

**The Director  
Directorate of Admissions  
Central Library Building  
Yogi Vemana University  
KADAPA – 516 003  
Andhra Pradesh**

### **V. HALL TICKETS**

1. Candidates have to download the hall tickets from the website **www.yvudoa.in** by entering the application number given in the student copy of the bank chalan.
2. YVURESCET-2015 hall ticket is to be produced at the time of admission. The candidates are advised to preserve the hall ticket carefully until completion of the admission process.

### **VI. PARTICULARS OF ENTRANCE TESTS**

1. YVURESCET-2015 will be conducted in the premises of Yogi Vemana University, Kadapa only.
2. Prescribed syllabus for each subject can be downloaded from the **www.yvudoa.in** website.
3. Each entrance test will be of 90 minutes duration with 100 multiple choices type questions covering all the units mentioned in the syllabus. Each question carries one mark and there is no negative mark for wrong answer.
4. The question papers for all tests will be in English while test in Telugu will be in the respective language.

5. No candidate will be permitted into the examination hall without proper hall ticket.
6. Calculators, books, papers, mathematical and physical tables, slide rules, paggers, electronic organizers, digital diaries, cellular phones or any other calculating aids are not allowed into the examination hall.
7. Candidate should answer only on the OMR SHEET provided to him/her.
8. There is no provision for REVALUATION or PERSONAL IDENTIFICATION of answer sheet.

## VII. QUALIFYING MARKS IN THE ENTRANCE TEST

The candidate should secure a minimum of **40 marks** in YVURESCET – 2015. However, in the case of SC/ST and PH category candidates the minimum shall be **35 marks**.

## VIII. INTERVIEW AND ADMISSION PROCESS

1. The candidates called for interview have to attend without fail on the date and time at the venue informed through website **www.yvudoa.in** with all necessary certificates and fees payable as described in this prospectus.
2. If a candidate fails to attend the interview at the specified date and time for whatever the reason he/she shall forfeit the seat and the candidate next in merit will be considered for admission. Any representation for postponement of the date and time of personal appearance will not be entertained.
3. At the time of interview, the following original certificates should be submitted by the candidates.
  - a) YVURESCET-2015 Rank card and Hall Ticket.
  - b) SSC and Intermediate Pass Certificate
  - c) Degree marks statements and Provisional/Degree Certificates
  - d) Marks statements and Provisional/Degree Certificate of the qualifying PG examination
  - e) Transfer and Conduct certificates (**Admission will not be given if T.C. of the institution where the candidate studied last is not submitted**)
  - f) Two Passport size photographs
  - g) Study certificates from Intermediate to qualifying examination
  - h) Caste certificate in original from the Tahshildar in case of SC/ST/BC candidates, obtained in the year 2015 OR permanent caste certificate
  - i) Income certificate from the Tahshildar obtained in 2015.
  - j) Relevant certificate in case of physically handicapped category.
  - k) Residence Certificate of parents for stay in the state of A.P. from Tahshildar in case of candidates, who have studied outside A.P./ carried out private study.
  - l) Migration certificate (for other University candidates)

6. Candidate who cannot produce all the necessary certificates at the time of counseling will forfeit admission and the candidate next in merit would be admitted.
7. **Submission of color printout copies of Transfer Certificates and/or any other certificates with mala fide intentions amounts for misleading the authorities will be viewed seriously and will be reported to the investigating agencies for further course of criminal proceedings against such candidates.**
8. The selected candidate has to pay the prescribed fee immediately.
9. Cancellation of admission is allowed with a cancellation fee of 10% of the fee paid until the commencement of second phase of counseling the without refund of fee until the date of closing of admissions.
10. For cancellation of admission after the closing of admissions, one has to pay the total fee for the entire period of Ph.D. without concession to get back the original certificates.

#### **IX. LOCAL AND NON-LOCAL CANDIDATES**

1. The Y.V.University area comprises of the districts Anantapur, Chittoor, Kadapa, Kurnool & Nellore.
2. The following candidates are treated as local to Y.V.University area
  - a) A candidate who has studied in the Y.V.University area (or stayed in case of private study) for four consecutive academic years ending with the academic year in which he/she has first appeared for the final year qualifying examination.
  - b) A candidate who has studied (or stayed in case of private study) for seven consecutive academic years within the state of Andhra Pradesh ending with the academic year in which he/she first appeared for the final year qualifying examination and studied (or stayed in case of private study) for a maximum period in the Y.V.University area.
  - c) In case a candidate has studied (or stayed in case of private study) for equal periods in the Y.V.University area and another University area out of the last seven years, he/she should have studied (or stayed in case of private study) lastly in the Y.V.University area.
3. Any candidate who is not local to Y.V. University is treated as non-local to Y.V.University,
  - a) If he/she is local to any other University in Andhra Pradesh State.
  - b) he/she resided for a total period of not less than 10 years in Andhra Pradesh (excluding the periods of study outside the Andhra Pradesh State).
  - c) His/her parents has resided in Andhra Pradesh for a total period of not less than 10 years.
  - d) His/her parent/spouse is presently working in Andhra Pradesh in government or allied service.



## X. ALLOCATION OF SEATS TO VARIOUS RESERVATION CATEGORIES

1. Among the seats sanctioned in each course, 85% of the seats are given to reserved categories of local (L) candidates, while 15% are given to local and non-local candidates (L/NL) on merit. The 85% reserved seats are filled by local candidates belonging to OC(Open Category), SC (15%), ST(6%), BC-A(7%), BC-B(10%), BC-C(1%), BC-D(7%), BC-E (4%), and PH (Physically handicapped) (3%). At any cost total number of candidates admitted under non-local category should not exceed 15% putting together in all categories of OC, SC, ST, BC, and PH. However, filling up of 15% of seats with Non-local candidates is not a must in case of non-availability of such candidates.
2. A vacancy under SC goes to ST and vice-versa. If enough SC&ST candidates are not available, the left-over seats will go to OC.
3. A vacancy under BC group goes to any other BC group on the basis of in YVURESCET-2015 rank. If enough BC candidates are not available, the left-over seats will go to OC.
4. **Reservation for women:** One third of the seats are reserved for women candidates in each category (i.e., OC, SC, ST, BC, PH). This rule is not applied if women candidates selected on merit in a category from one third or more of the seats therein. If there are no suitable women candidates in a category, the seats will be filled with men candidates of the same category. Absence of adequate number of women candidates in a category cannot be compensated by giving more seats for women in another category.
5. BC-C allotment will be done taking into consideration of the total seats available in all the subjects put together under college by adopting rotation system.

## XI. FEE PARTICULARS

1. Each admitted candidate has to pay the fee immediately.
2. First year fee to be paid at the time of admission is as follows:

Fees Per Annum	OC/BC/OBC	SC/ST
Arts and Social Sciences	Rs. 4000	Rs. 3000
Sciences and Engineering	Rs. 6000	Rs. 5000

## XII. HOSTEL ACCOMMODATION

1. Admission does not automatically entitle accommodation in the University Hostels. Only limited accommodation is available in the University Hostels for Men and Women. Admission to hostels will be made as per the rules in vogue from time to time.
2. Accommodation cannot be provided in the University hostels to any student who is a native of any area within 20 kms radius of Kadapa.