

Siksha 'O' Anusandhan University

(A Deemed University declared U/S 3 of the UGC Act, 1956)

Siksha 'O' Anusandhan (SOA) has been declared as a deemed University, U/S 3 of the UGC Act, 1956 and is located at Bhubaneswar, the capital of Odisha. The University is making persistent endeavour to achieve excellence and carve a niche in the national and global education map. Some of its constituent institutes have been established for almost two decades ago and are well known for their academic excellence. The University has been re-accredited by National Assessment and Accreditation Council (NAAC) with *Grade 'A'* for its overall performance. Different faculties of the university have been duly approved by the respective statutory bodies.

The university offers undergraduate, post graduate, dual degree and doctoral programmes in engineering / technology, computer application, sciences, humanities & social sciences, medicine, dental, nursing, business administration, hospitality and tourism management, hospital administration, pharmacy, biotechnology, law and agriculture.

The university is proactive in its approach to understand and meet the changing requirements of students, employees and the community at large. The university is committed to continuous learning, improvement and transformation in technical and professional education. The university emphasises on the quality of learning process keeping in view of its vision and mission:

VISION

The **SIKSHA 'O' ANUSANDHAN UNIVERSITY** will be a leading institution of higher learning in its chosen areas of concentration, preparing future generations through quality teaching and innovative research and will emerge as a comprehensive and socially inclusive University in the country for professional advancements in related disciplines.

MISSION

- Educate students to become responsible, enlightened and productive citizen;
- Conduct scholarship and promote entrepreneurship that improve the human conditions;
- Serve business, education, government, health care systems, and community;
- Enhance the cultural environment of region;

SALIENT FEATURES

• Recognitions

- A Deemed University declared Under Section 3 of the UGC Act, 1956 (Govt. of India)**
- Accredited by NAAC of University Grants Commission (UGC) with 'A' Grade with CGPA 3.35.**
- All the institutes and programmes are duly recognized by respective statutory bodies like National Board of Accreditation; Medical Council of India; Dental Council of India; Pharmacy Council of India; Indian Nursing Council; Odisha Nurses and Mid-wifery Council, Govt. of Odisha; AICTE;**

Ministry of Health & Family Welfare, Govt. of India; Bar Council of India; ICAR, Govt. of India; etc.

- ISO 9001:2008 Certification by URS, United Kingdom in testimony to our commitment towards imparting quality research and professional education matching with aspirations of future generation.**

• Placement

Placement opportunities in different disciplines :

- Engineering** : Infosys, WIPRO, Capgemini, Microsoft, IBM, TCS, Hexaware, Agilent, HCL, Amazon, Mu Sigma, iNautix, Cognizant, Accenture, Tech Mahindra, TVS Motor, Mahindra & Mahindra, Jindal, Cummins India Ltd., Ashok Leyland, Adani Group, Huawei, Syntel, Godrej, TATA Motors, Hindustan Steel Corp., Stemcor, Essar Steel, Adhunik Metaliks, TATA Steel, etc.
- Pharmacy** : Bharat Serums & Vaccines, Bharat Biotech, Ciron Drugs & Pharmaceuticals, V-Ensure Pharma Technologies, Medreich, Glenmark Pharmaceuticals, Micro Labs, GeBBS Health Care, Ziqitza Health Care, etc.
- Management** : Alembic, ICICI, RBS Global, AXIS Bank, TATA AIG, Vodafone, HDFC, Airtel, Samsung, ING Vysya, Reliance Communication, Apollo Hospitals, Berger Paints, Asian Paints, Colgate, Palmolive, BATA, etc.
- Hotel Management** : Park Hyatt, ITC Sonar, ITC Grand Chola, The Oberoi, Taj Palace, Mayfair, Ginger, The Leela, The Pride Group, Zuri White Sands, Grand Oberoi, ITC Fortune, Le Meridien, etc.

• Network

- One Gbps connectivity through National Knowledge Network under NMEICT, 450 Mbps connectivity (1:1) from TATA Teleservices Ltd. and 150 Mbps connectivity from Ortel Communications Ltd managed by RADWARE load balancer.
- Fully wi-fi residential campus with modern facilities.

• Learning Processes and Resources

- State-of-the-art infrastructure with smart classrooms.
- e-Library with full text access of e-journals through ScienceDirect, SCOPUS, IEEE Xplore, EBSCO Host, PROQUEST, Royal Society of Chemistry, Springer Link, ASME, ASCE, Taylor & Francis, Annual Reviews, Westlaw & Manupatra.
- Book Bank facility
- Open access library with reading facility round the clock.
- University plenary lecture series (by eminent scientists and researchers).
- Qualified and experienced faculty members of national and international repute.
- Continuous evaluation system of teaching-learning process.
- Proactive proctorial system.

(1)

• Research Environment

- Conducive research ambience.
- Regular Publications in high impact Research Journals.
- Multi-disciplinary Research Cells in the areas of Energy, Embedded systems, MEMS and Advanced Material Science, Visual surveillance & tracking, biomedical signal & image processing.
- Centre of Excellence for theoretical and mathematical sciences, Biomechanical Research Lab., Multiferroic Research Lab., Banking Simulation Lab., Behavioural Science Lab.
- National MEMS Design Centre established under National Program for Micro and Smart Materials (NPMAS), Govt. of India, (Mentor: IISc, Bangalore).
- Collaboration with Central Power Research Institute (CPRI) in the area of Energy Systems under RSOP scheme of Ministry of Power, Govt. of India.
- Research project on Multiferroics from DRDO.
- Proactive measures for inter-disciplinary research programmes.
- Ph.D. programmes with University fellowship.
- Post Doctoral Fellowship
- Faculty Development Programmes, Entrepreneurship Development Programmes and Management Development Programmes.

• Industry / Institutional Collaborations

- IIT, Kharagpur for carrying out capacity development activities.
- Indian Institution of Industrial Engineering (IIIE) conferred Performance Excellence Award in Golden category for Financial and Operational Strength for the year 2011-12.
- MOU with IMMT(CSIR), Bhubaneswar, Infosys for Campus Connect Programme (CCP), WIPRO for Mission 10X, Hexaware for Centre of Excellence and Mind Tree for Gyanbrukshya, Snowman Logistic, Bangalore and Paladion Network, Mumbai.
- Industry-Institute interaction through seminars, guest lectures, study tours, consultancy and projects.

• International Collaborations

Collaborations with Florida International University, USA; Multimedia University, Malaysia; Dongseo University, Korea; University of Texas, Arlington, USA; Cambodian University for Specialities, Cambodia; Ho-Chi-Minh City University of Transport, Vietnam; Rajamangala University of Technology, Thailand; VJTI, Matunga, Mumbai; NICED, Kolkata; IIIE, Mumbai; College of Engineering, Pune, etc.

• Student Amenities

- Free Group Insurance scheme for all students.
- Student Welfare Fund
- Medical facilities (free consulting & subsidized investigations) in its own medical college & hospital (IMS & SUM Hospital).
- High degree of care and training for overall personality development.
- Scholarships to meritorious and needy students.
- Health Club (MULTIGYM), Indoor and outdoor extra curricular activities.
- Social welfare initiatives in plantation of trees, blood donation camp, and relief during natural calamities.

- NCC, NSS, Yoga, Sports, Art and Culture as extra-curricular activities
- JAAGO to help socially underprivileged kids.
- Community Radio service to assist the socio-economic, cultural, educational & health problems of the people in the neighbourhood of university.
- Robotics club, photographic club, music club, dance club, quiz club, painting (Srishti) club to encourage creative activities amongst the students.

FACULTY OF SOA

- FACULTY OF ENGINEERING AND TECHNOLOGY (ITER)
- FACULTY OF MEDICAL SCIENCES (IMS & SUM HOSPITAL)
- FACULTY OF DENTAL SCIENCES (IDS)
- FACULTY OF MANAGEMENT SCIENCES (IBCS)
- FACULTY OF HOSPITALITY AND TOURISM MANAGEMENT (SHM)
- FACULTY OF PHARMACEUTICAL SCIENCES (SPS)
- FACULTY OF NURSING (SNC)
- FACULTY OF LEGAL STUDIES (SNIL)
- FACULTY OF AGRICULTURAL SCIENCES (IAS)

FACULTY OF ENGINEERING AND TECHNOLOGY (ITER)

The Institute of Technical Education and Research (ITER), was established during the academic session 1996-97. The journey of academic excellence has brought various accolades to the institution including quality benchmarking by various statutory bodies. The institute has earned recognition for its high quality educational programmes and research activities in the field of engineering and technology. Active teaching in the institution is facilitated by highly qualified and motivated faculty members of repute. The faculty members keep themselves abreast with the development in critical areas of education and research in science and technology across the globe. ITER is the corporate life member of the Institution of Engineers (India). The institute has memorandum of understanding with IMMT (CSIR), Infosys for Campus Connect Programme (CCP), WIPRO for Mission 10X, Hexaware for Centre for Excellence and Mind Tree for Gyanbrukshya.

ACADEMIC PROGRAMMES

a) Under Graduate Programmes :

i) B.Tech (4 years)

- Biotechnology
- Civil Engineering
- Computer Science & Engineering
- Computer Science & Information Technology
- Electrical Engineering
- Electrical & Electronics Engineering
- Electronics & Communication Engineering
- Electronics & Instrumentation Engineering
- Mechanical Engineering

b) B.Tech Lateral Entry in above programmes (3 Years)

c) Dual Degree in Engg. (5 years) - B.Tech. & M.Tech.

d) Post Graduate Programmes: M.Tech (2 years)

Electronics & Instrumentation Engineering Department

- VLSI Design & Embedded Systems
- Microelectronics

Civil Engineering Department

3. *Structural Engineering*
4. *Geotechnical Engineering*

Electrical Engineering Department

5. *Power Electronics & Drives*
6. *Energy Technology & Management*
7. *Renewable Energy*

Electronics & Communication Engineering Department

8. *Communication System Engineering*
9. *Digital Signal & Image Processing*

Electrical & Electronics Engineering Department

10. *Power Systems & Power Electronics*

Computer Science & Information Technology Department

11. *Computer Science & Informatics*

Mechanical Engineering Department

12. *Thermal Science & Heat Power Engineering*
13. *Manufacturing Sciences & Engineering*
14. *Mechanical System Design*

Computer Science & Engineering Department

15. *Computer Science & Engineering*
16. *Computer Science & Data Processing*

Inter-disciplinary M.Tech. Programmes

17. *Material Science & Technology*
18. *Environmental Science & Technology*
19. *Biotechnology*

e) **M.Sc. in Nano Science & Nano Technology (2 years)**

f) **Master of Computer Application (MCA) (3 years)**

g) **Lateral Entry MCA (2 years)**

h) **Ph.D. Programmes In Engineering / Technology, Science, Humanities & Social Sciences.**

FACULTY OF MEDICAL SCIENCES (IMS & SUM HOSPITAL)

SUM Hospital was set up in 2003 to offer quality health services in the State. Subsequently, IMS came up with MBBS programme since the academic session 2007-08. SUM Hospital, the state-of-the-art modern hospital, has 750 beds, 150 cabins with multi-speciality facilities like Dialysis, CT scan, MRI along with MICU, SICU, RICU, Neuro ICU, ICCU, NICU, PICU, and Cathlab. The hospital is NABH and NABL accredited.

IMS & SUM Hospital has the following well equipped departments as enlisted below:

- **Non-Clinical Departments** – Anatomy, Bio-chemistry, and Physiology.
- **Para-Clinical Departments** – Preventive & Community Medicine, Pathology, Micro-Biology, Forensic Medicine, Pharmacology
- **Clinical Departments** – Medicine, Paediatrics, Surgery, Orthopaedics, Obstetrics & Gynaecology, Ophthalmology, ENT, Radiology, Chest and TB, Psychiatry, Skin and VD, Anesthesiology, transfusion medicine, physical medicine & rehabilitation.
- **Super Speciality Departments** - Cardiology, Cardiothoracic & vascular surgery, Endocrinology, Nephrology, Gastroenterology, Plastic Surgery, Urology, Neuro surgery, Neurology, Oncology, Clinical Haematology, Paediatric Surgery & Bone Marrow Transplant Unit.

ACADEMIC PROGRAMMES

- a) MBBS Programme (5½ years including One year rotating internship).

- b) MS programmes (3 years) in General Surgery, Ophthalmology, ENT and Orthopedics.

- c) MD programmes (3 years) in General Medicine, Radio Diagnosis, Pediatrics, DVL, Anaesthesia, TB & Chest, Psychiatry, Pathology, Pharmacology, Biochemistry, Microbiology, Anatomy, Physiology, Community Medicine, Forensic Medicine & Toxicology, and Immuno Haematology & Blood Transfusion.

- d) Ph.D. Programme

FACULTY OF DENTAL SCIENCES (IDS)

Institute of Dental Sciences (IDS), established in the academic session 2006-07 with well furnished state-of-the-art equipment, and instruments with a full fledged dental hospital. The institute has 200 fully automatic electrical dental chairs with other advanced facilities.

ACADEMIC PROGRAMMES

- a) BDS programme (4 years plus one year paid rotating internship)

- b) MDS Programme (3 years) in Orthodontics & Dentofacial Orthopedics, Oral Maxillofacial Surgery, Oral Medicine & Radiology, Oral Pathology & Microbiology, Conservative Dentistry & Endodontics, Prosthodontics & Crown Bridge, and Periodontology.

- b) Ph.D. Programme

**FACULTY OF MANAGEMENT SCIENCES
(IBCS)**

Institute of Business and Computer Studies (IBCS), established in the academic session 1997-98, offers two year programme in Master of Business Administration (MBA), two year programme in MBA (Hospital Administration) and three year Bachelor of Business Administration (BBA). The institute is responsive to the growing requirements of different sectors like manufacturing, distribution, services, finance, networking in both government and private organisations. In addition, institute prepares and grooms professionals in all important areas of business administration and consultancy. The institute is a life member having 'A' grade ranking by AIMA, Indian Institute of Public Administration, Member of Institute of Directors and Computer Society of India and association with CII, FIEO, FICCI, and RAI.

ACADEMIC PROGRAMMES

- a) BBA (3 years)
- b) MBA in specialised areas, viz., marketing, finance, human resource and systems (2 years)
- c) MBA in Hospital Administration (2 years)
- d) Ph.D. Programme

**FACULTY OF HOSPITALITY AND
TOURISM MANAGEMENT (SHM)**

School of Hotel Management (SHM), established in the academic session 2004-05 is conducting courses in Hotel Management & Catering Technology. Its flagship programme, the four year BHMCT and two year Master's degree in Hospitality and Tourism Management boasts of a dynamic curriculum, rigorous in-house training and has the mandate of the hospitality industry. SHM is a Coporate Partner with Mayfair Group of Hotels and registered user institute for American Hotel and Lodging Association. It is also a member of Hotel and Resturant Association of Odisha (HRAO) and Federation of Hotel & Restaurant Association of India (FHRAI).

ACADEMIC PROGRAMMES

- a) Bachelor's degree in Hotel Management & Catering Technology (BHMCT) (4 years)
- b) Lateral Entry BHMCT (3 years)
- c) Master of Hospitality Management (MHM) (2 years)
- d) Master of Tourism & Travel Management (MTTM) (2 years)
- e) Ph.D. Programme

FACULTY OF PHARMACEUTICAL SCIENCES (SPS)

School of Pharmaceutical Sciences (SPS), established in the academic session 2004-05 is one of the leading schools of studies in pharmaceutical sciences offering programme in pharmaceutical sciences and research. The institute has state-of-the-art laboratory, library, and infrastructure.

ACADEMIC PROGRAMMES

- a) B.Pharm. Programme (4 years)
- b) Lateral Entry B.Pharm. Programme (3 years)
- c) M.Pharm Programmes (2 years) in :
 - (i) Pharmaceutics
 - (ii) Pharmaceutical Analysis and Quality Assurance
 - (iii) Pharmacology
 - (iv) Pharma Technology
- d) M.Sc. in Chemical Biology & Drug Design (2 years)
- e) Ph.D. Programme

CENTRE FOR BIO-TECHNOLOGY (CBT)

(Faculty of Pharmaceutical Sciences)

The Centre for Bio-Technology was started in the academic year 2007-08. The centre is well furnished with latest technical know-how, state-of-the art laboratories and has a well stocked library.

ACADEMIC PROGRAMMES

- a) Master of Science (2 years) in :
 - (i) Biotechnology
 - (ii) Medicinal & Aromatic Plants
 - (iii) Molecular Biology
- b) Ph. D Programme

FACULTY OF NURSING (SNC)

SUM Nursing College (SNC), established in the academic session 2004-05 has been imparting quality education in nursing.

ACADEMIC PROGRAMMES

- a) B.Sc. in Nursing (Basic) (4 years)
- b) B.Sc. in Nursing (Post Basic) (2 years)
- c) M.Sc. in Nursing (2 years)
 - (Spl. - Medical & Surgical Nursing, Community Health Nursing, Psychiatric Nursing, Paediatric Nursing, & Obstetric & Gynaecological Nursing)
- d) Diploma in Critical Care Nursing (1 year)
- e) Diploma in Operational Room Nursing (1 year)
- f) Ph.D Programme

FACULTY OF LEGAL STUDIES (SNIL)

The SOA National Institute of Law (SNIL) was established in the academic year 2010-11 with a view to meet the growing demands of highly trained legal professional in both corporate sectors and judicio-legal systems.

ACADEMIC PROGRAMMES

- a) Integrated B.A. LL.B. (Hons) and BBA LLB (Hons) Programme (5 years)
- b) Ph.D. Programme

FACULTY OF AGRICULTURAL SCIENCES (IAS)

The Institute of Agricultural Sciences (IAS) was established in the academic year 2013-14. It's a venture with a cause of enhancing the State's self-reliance in the field of quality education in Agricultural Sciences in order to increase agricultural production-productivity with economic growth keeping in view of increasing population and decrease in cultivable land under increased adverse conditions.

ACADEMIC PROGRAMMES

- a) B.Sc. Agriculture (4 years)

SIKSHA 'O' ANUSANDHAN UNIVERSITY ADMISSION TEST-2016 (SAAT-2016)

Siksha 'O' Anusandhan University Admission Test (SAAT), a national level entrance test is conducted by Siksha 'O' Anusandhan University every year to select bright students from different parts of our country. The test is being conducted for different programs offered in different constituent institutes / schools of the university. **SAAT-2016**, the ninth edition of this entrance test, will be held on **7th May 2016 (Saturday)** at 72 centers across 50 cities of India. The test is primarily a multiple choice type written test and the standard of the test is comparable with any other national level entrance test. Counseling will be held for the selected short listed candidates for admission various programmes of the University. Another feature of this entrance test is that the candidates with diploma in engineering/technology/pharmacy and hospitality & tourism management are eligible for admission into regular courses under lateral entry scheme through SAAT-2016.

1.1. BACHELOR DEGREE PROGRAMMES :

- a) **Bachelor of Technology (B.Tech.)** in different branches of engineering at ITER.
- b) **Bachelor of Medicine & Bachelor of Surgery (MBBS)** at IMS & SUM Hospital.
- c) **Bachelor of Dental Surgery (BDS)** at IDS.
- d) **Bachelor of Business Administration** at IBCS
- e) **Bachelor of Pharmacy (B. Pharm.)** at SPS.
- f) **Bachelor of Hotel Management & Catering Technology (BHMCT)** at SHM.
- g) **Bachelor of Science in Agriculture (B.Sc. Ag.)** at IAS.
- h) **Bachelor of Science in Nursing (B.Sc. Nursing)** at SNC.
- i) **Post Basic Bachelor of Science in Nursing (Post Basic B. Sc. Nursing)** at SNC.

1.2. DUAL DEGREE PROGRAMMES :

- a) **Dual Degree in Engineering (B.Tech. & M.Tech.) (DDE)** in different branches of engineering at ITER.
- b) **Integrated BA LLB (Hons) and BBA LLB (Hons)** at SNIL

1.3. MASTER DEGREE PROGRAMMES :

- a) **Master of Technology (M.Tech.)** in Electronics & Instrumentation Engineering Department, Civil Engineering Department, Electronics & Communication Engineering Department, Electrical Engineering Department, Electrical & Electronics Engineering Department, Mechanical Engineering Department, Computer Science & Information Technology Department, Computer Science & Engineering Department, Computer Science & Data Processing, Material Science & Technology,

Environmental Science & Technology and Biotechnology at ITER.

- b) **Master of Computer Applications (MCA)** at ITER.
- c) **Master of Business Administration (MBA)** at IBCS.
- d) **MBA in Hospital Administration (MHA)** at IBCS.
- e) **Master of Hospitality Management (MHM)** at SHM.
- f) **Master of Tourism & Travel Management (MTTM)** at SHM.
- g) **Master of Pharmacy (M.Pharm)** in Pharmaceutics, Pharmaceutical Analysis & Quality Assurance, Pharmacology and Pharmatechnology at SPS.
- h) **Master of Science (M.Sc.)** in
 - * Nano Science & Nano Technology at ITER,
 - * Medicinal & Aromatic Plants, Molecular Biology and Chemical Biology & Drug Design at SPS, and
 - * Biotechnology at CBT.
- i) **Master of Science in Nursing (M.Sc. Nursing)** in Medical & Surgical Nursing, Community Health Nursing, Psychiatric Nursing, Paediatric Nursing, and Obstetric & Gynaecological Nursing at SNC.

1.4. LATERAL ENTRY PROGRAMMES :

Under Lateral Entry (LE) scheme 20% of intake capacity of previous year in appropriate discipline and carry forward vacant seats of 1st year of Engineering / Pharmacy / Hotel Management / Nursing / MCA will be filled up at the 2nd year level. These seats will be considered over and above the intake capacity. (Refer - Appendix-XVI)

- a) **Bachelor of Technology (B.Tech.)** in different branches at ITER.
- b) **Lateral Entry MCA** at ITER.
- c) **Bachelor of Pharmacy (B.Pharm.)** at SPS.
- d) **Bachelor of Hotel Management and Catering Technology (BHMCT)** at SHM.

2. ELIGIBILITY CRITERIA

2.1 For Bachelor Degree Programmes :

a) B.Tech. / Dual Degree in Engineering :

Pass or appearing (in the year 2016) at 10+2 or equivalent examination with Physics and Mathematics as compulsory subjects alongwith one of the following subjects : Chemistry / Computer Science / Information Technology / Biotechnology / Biology / Informatics / Statistics or any other subject as approved by appropriate authority, by securing atleast 50% marks taken together in the subjects mentioned.

OR

Pass in Diploma in Engineering / Technology with less than 60% marks in aggregate.

b) MBBS / BDS

Pass or appearing at 10+2 examination (in the year 2016) or any equivalent with Physics, Chemistry, Biology (Botany and Zoology) and English individually and must have secured a minimum of 50% marks taken together in Physics, Chemistry and Biology in the qualifying examination. In respect of the candidates belonging to Scheduled Castes, Schedules Tribes and Other Backward Classes the marks secured in Physics, Chemistry and Biology taken together in qualifying examination can be 40% instead of 50% for General Candidates. For PH candidates qualifying examination marks is 45% in

Physics, Chemistry and Biology taken together. As per MCI & DCI guidelines candidates have to secure at least 50% marks in Physics, Chemistry and Biology (Botany and Zoology) taken together in the entrance test. For SC / ST / OBC candidates the limit is minimum of 40% marks in Physics, Chemistry and Biology (Botany and Zoology) taken together in the entrance test. For PH candidates the limit is minimum of 45% marks in Physics, Chemistry and Biology (Botany and Zoology) taken together in the entrance test. All candidates must pass in English.

Age Limit: The lower age limit is 17 years and the upper age limit is 25 years as on 31.12.2016. Further provided that this upper age limit shall be relaxed by a period of 5 (five) years for SC and ST candidates.

c) B.Pharm.

Pass or appearing at 10+2 examination (2016) with pass mark in individual subjects - English, Physics, Chemistry, Mathematics/Biology.

d) BHMCT

Pass or appearing at 10+2 examination (2016) in any discipline with atleast 45% marks (40% incase of SC / ST / OBC category)

e) B.Sc. in Agriculture

Pass or appearing at 10+2 examination (2016) with not less than 50% marks in aggregate for admission under General and OBC categories, 40% marks in aggregate for admission under SC, ST and PH categories, with PCM/PCB/PCMB/PCA/PCH subject combinations. Pass in English in the 10+2 examination is essential.

Age Limit: The lower age limit is 17 years and the upper age limit is 23 years as on 31.12.2016.

f) B.Sc. in Nursing (Basic)

Pass or appearing at 10+2 examination (in the year 2016) with at least 45% marks in aggregate (English, Physics, Chemistry & Biology taken together) and 40% marks in aggregate for SC / ST / OBC candidates.

Age Limit : The lower age limit is 17 years as on 31.12.2016.

g) Post Basic B.Sc. in Nursing (Post Basic)

Passed GNM examination, and registered with concerned State Nursing Council. Candidate must be a member of TNAI.

h) Five years integrated BA LLB (Hons) and BBA LLB (Hons) Programme

Pass or appearing (2016) the 10+2 or equivalent in any stream with atleast 45% marks. Relaxable to 40% in case of SC/ST. Candidate should not have completed 20 years of age as on 1st August 2016.

i) BBA

Pass or appearing (2016) the 10+2 or equivalent in any stream.

2.2 For Master Degree Programmes :

a) M.Tech.

Pass or appearing in B.E. / B.Tech / AMIE / MCA / M.Sc. in the respective discipline or equivalent. Candidates having MCA and M.Sc. (Maths) degree are eligible for M.Tech in Comp. Sc. & Data Processing. Candidates with M.Sc. (Electronics) are eligible for M.Tech. in Electronics & Communication Engineering and M.Tech. in Electronics & Instrumentation

Engineering. M.Sc. in Computer Science and IT are eligible for M.Tech. in Computer Science & Engineering and CS & IT respectively. A candidate with B.Tech. (Environmental / Chemical / Civil / Mechanical / Metallurgy) or M.Sc. (Environmental Science / Chemistry / Biotechnology / Geology / Life Science / Botany / Zoology) is eligible for M.Tech. in Environmental Science & Technology. For M.Tech. Material Science & Technology candidate must have M.Sc. (Physics) / M.Sc. (Chemistry) / B.Tech. (Electronics & Communication Engg.) / B.Tech. (Electrical Engg.)

For M.Tech. in Biotechnology, candidates having B.Tech./B.E. in Biotechnology or related fields / M.Sc. in Physics, Chemistry, Biotechnology, Life Science or equivalent / MBBS / B.Pharm./B.V.Sc. with Biology as a subject at +2 level are eligible.

For admission to M.Tech, candidates have to pass the qualifying examination with at least 50% marks.

GATE qualified candidates are exempted from the entrance test, but they have to submit the filled up form.

Admission into M.Tech. programmes will be done on the basis of performance in SAAT-2016 or valid GATE score and personal interview taken together. After the interview, the merit list prepared by the Board members will be final.

b) MCA

Pass or appearing (in the year 2016) at three year Bachelor Degree in any discipline from any recognised University with at least 50% of marks (45% in case of candidates belonging to SC / ST / OBC Category) having Mathematics at 10+2 level or at +3 level.

Candidates having Business mathematics at +2 or +3 level are not eligible.

c) MBA / MHA / MHM / MTTM

Pass or appearing (2016) Bachelor Degree in Science, Commerce and Arts/B.E./B.Tech./MBBS/B.Pharm./B.Sc. Agri./BVSC/BHMS/BAMS/BDS/BPT/BHMCT/BBA/BCA examination or equivalent in 2016 from any recognised University with at least 50% marks (45% in case of candidates belonging to SC/ST/OBC category). For MHM the candidate must have secured at least 50% marks (45% in case of candidates belonging to SC/ST/OBC Category) in BHMCT.

d) M.Pharm.

Pass or appearing (2016) at B.Pharm examination from any recognized University with at least 55% marks for general candidates and 50% marks for candidates belonging to SC/ST/OBC category.

GPAT qualified candidates are exempted from the entrance test, but they have to submit the filled up form.

e) M.Sc. All (Biotechnology / Nano Science & Nano Technology / Medicinal & Aromatic Plants / Molecular Biology / Chemical Biology & Drug Design)

For M.Sc. Biotechnology / Nano Science & Nano Technology / Medicinal & Aromatic Plants / Molecular Biology pass or appearing (2016) at three year

Bachelor degree in Science **OR** four year Bachelor course in Agriculture / Pharmacy / Veterinary / Engineering / Technology / Medicine (MBBS/BDS) / Physics / Chemistry / Mathematics from any recognised University with at least 50% marks (45% in case of candidates belonging to SC / ST / OBC category).

For M.Sc. in Chemical Biology & Drug Design the candidates should have B.Sc. Chemistry (Honours) / B.Tech in Chemical Engineering / B.Pharm with at least 50% marks (45% in case of candidates belonging to SC / ST / OBC category).

f) M.Sc. in Nursing

Passed B.Sc. Nursing (Basic/Post Basic) Degree with 55% aggregate from an Institution recognized by Indian Nursing Council with a minimum of one year experience either in teaching or clinical area but they should be registered in State Nursing Council as a Registered Nurse and Registered Midwife.

2.3 For Lateral Entry Programmes :

a) Admission to 2nd year Degree Programme in Engineering, Pharmacy & Hotel Management for Diploma holders :

Pass or appearing (in the year 2016) at three year diploma course in Engineering / Pharmacy and Hotel Management respectively with at least 60% marks in aggregate from State Council of Technical Education and Vocational Training (SCTE&VT), Odisha or equivalent.

For Pharmacy, pass or appearing (in the year 2016) in D.Pharm from an institution approved by PCI under Sec. 12 of the Pharmacy Act.

b) Lateral Entry MCA

Pass or appearing (in the year 2016) in three year Bachelor of Computer Application (BCA), B.Sc. in Information Technology and B.Sc. in Computer Science with at least 60% of marks in aggregate from any recognized University.

c) Choice of Discipline:

Candidates having Diploma in Engineering indicated under Column – I are eligible for admission into the corresponding discipline only mentioned under Column – II (Appendix - XVI). Candidates will appear a common paper in the entrance test and the branch allotment will be done during the counselling as per Appendix-XVI.

NOTE: Candidates appearing at the qualifying examination (in the year 2016) may also apply. But, they have to produce the pass certificate of the qualifying examination with pass mark in individual appropriate subjects as mentioned for different programmes on the day of counselling, failing which the rank / position secured in the entrance examination will stand cancelled automatically and they will have no claim for the admission as per the rank. The above mentioned clause is also applicable for pass out candidates.

e.g.: For B.Tech the candidate has to secure pass mark including in each of the following subjects - Physics, Mathematics and any one of the subject as mentioned in section 2.1 (a).

3. IMPORTANT DATES :

Last Date for Application	: 02.04.2016
Last Date for Form submission:	02.04.2016
Date of Entrance Test	: 07.05.2016
Publication of Result (Tentative)	: 20.05.2016

4. AVAILABILITY OF APPLICATION FORM :

Candidates can apply online at www.soauniversity.ac.in.

There is no examination / application fees.

5. INSTRUCTIONS FOR FILLING UP SAAT-2016 ONLINE APPLICATION FORM :

- Check the eligibility criteria for each programme before filling up the online application form.
- Check that the online application form has been properly and completely filled up
- Application process: Incomplete application will not be accepted. Please follow the below mentioned process below to complete your application process.

Step 1 Fill up Name, Date of Birth, Email and Mobile Number

Step 2 Receive One Time Password (OTP) at the given Mobile Number and Email ID.

Step 3 Enter OTP to proceed to application form.

Step 4 Complete the application form information as required. All candidates are requested to keep the scanned copy of Photo and Signature to upload during filling up the application form. (Recent Colour passport size Photograph). The candidate also required to enter the details of the Identity Proof while filling the form.

Step 5 The candidate can only modify the Course code applied for and the center choice after submission of the application form using the Modification Link. Download your Application Copy and take the print out of the application form for future reference. The application form will be send to your mail.

Step 6 The acknowledgement for the receipt of the SAAT 2016 application will be intimated to your Email Id and Mobile Number through SMS.

For Any Information regarding admission contact us at.

Ph. : +91 674 2350884 / 2350180

Mobile : +91 – 9437035916 / 9437025133

Email : saat@soauniversity.ac.in

6. SUBMISSION OF FILLED IN APPLICATION FORM :

- The last date of online submission of application form is 2nd April 2016.
- Any application received after the due date will not be considered.
- The incomplete application form of any sort shall be summarily rejected.

- After form submission the candidate can only change the applied course code and centre choice using the modification link.
- The Candidates are advised to keep a print out of the filled in application form for future reference.
- A single application form is sufficient for any possible combination of courses to be opted. Do not send extra / duplicate forms which will be rejected.
- Any correspondence in future, the candidate should mention the application number, name, date of birth and mobile number and e-mail to saat@soauniversity.ac.in

7. ISSUE OF ADMIT CARD:

- Admit card will be sent by speed post about 10 days prior to the entrance. Candidate can also download their Admit cards from the University website.
- The candidate is required to produce a valid identity proof (as mentioned in the application form and Admit Card) along with printed Admit Card.
- Candidates must preserve the admit card till the admission process is over.

8. RULES FOR ENTRANCE EXAMINATION :

- The SAAT – 2016 will be held at different centres as per the schedule.
- The medium of examination is English.
- The examination hall shall be opened to the candidates half an hour before the examination commences. No candidate will be allowed to enter into the examination hall without a valid original / duplicate admit card.
- Candidates are required to take their respective seats at least 15 minutes before the commencement of the examination, strictly according to the sitting chart notified earlier by the Centre Superintendent.
- In no case a candidate shall be allowed to enter the examination hall after the examination starts.
- Attendance will be taken by the invigilators on the Attendance Roll sheets provided by the Director (Admissions), with full signature of candidates against their Roll Numbers, 15 minutes before the commencement of examination. During the examination the candidates have to enter their Roll Number, the Application Number and the Answer Sheet and also Serial Number on the Attendance Roll sheets, which shall be verified by the invigilators.
- No candidate will be allowed to leave the hall without surrendering his/ her question booklet and answer sheet until the examination is over. Ordinarily no candidate shall be allowed to leave the hall temporarily during the examination.
- Candidates suffering from any disease which renders their presence in the examination hall undesirable in the interest of other candidates will not ordinarily be

allowed to enter the examination hall. Candidates are not allowed to have substitute writers, normally.

- i) Candidates should bring their own black / blue ball pens, HB pencils for writing and blackening the circles. Books, printed papers (other than their Admit Cards), manuscripts, or electronic gadgets such as mobile phones, cell phones and electronic diary calculators etc, **should not be** taken into the examination hall.
- j) The candidates are advised to check the perfectness the question booklet and answer sheet before attempting to answer. In case page/pages are found missing, torn or not in order, the candidates should immediately report to the invigilator and get a fresh question answer book issued after surrendering the defective ones.
- k) Candidates are not permitted to talk to each other in the examination hall. No one should receive any help from or assist another in any manner. Malpractice in any form detected during or after the examination would lead to not only cancellation of candidature but also more severe punishment as deemed fit by the SAAT-2016 committee.
- l) A candidate should write his/her roll number as assigned in his/her admit card and sign in the space provided in the question booklet and answer sheet. He/she should in no case write anywhere else in the answer sheet his/her own name, roll number or any thing else that is not strictly related with the answers to the questions given. Writing of any such thing a serious offence. The answer sheet without the candidate's roll number clearly written in the space provided will not be examined.
- m) A candidate wishing to say anything should stand up in his/her seat and remain standing till the invigilator attends him/her. He/she should in no case leave the seat or make any noise to draw the invigilator's attention.
- n) In any other matter not mentioned in these rules, the Centre Superintendent is empowered to take necessary decisions.

9. EXAMINATION SCHEDULE :

The SAAT-2016 will be held on **7th May, 2016** as per following programme.

1st Sitting		2nd Sitting
9.00 AM to 11.00 AM	12.00 Noon to 1.00 PM	2.30 PM to 4.30 PM
Physics & Chemistry/ BHMCT / MCA MBA / MHM/ MTTM / M.Sc. (All) MBA (Hospital Admn)	Mathematics	Biology / All Lateral Entries / Post Basic Nursing / M.Tech. / M.Pharm. / M.Sc. Nursing/ BA LLB(H) / BBA LLB(H) / BBA

10. EXAMINATION PROCEDURE:

There will be multiple choice questions. The number of questions will be sixty (60) per each hour of examination. Each question shall have four probable answers with only one is correct answer;

and the examinee shall have to blacken only the correct circle with HB pencil or black / blue ballpoint pen. Each correct answer shall carry four marks whereas each incorrect answer will lead to deduction of one mark. Each unanswered question will carry zero mark. If more than one circle is darkened for one question, it will be treated as an incorrect answer and one mark will be deducted.

10.1 Wrong / Correct ways of Marking:

Each question is followed by answers, which have numbers A B C and D. Select the correct answer. Then by using HB pencil or black / blue ball pen darken the circle bearing the correct answer in the answer sheet against the corresponding number of the question. The wrong and correct method of answering is illustrated below.

Wrong & Correct Methods of showing your answer.

WRONG METHOD	(A)	(B)	(C)	(D)
WRONG METHOD	(A)	(B)	(C)	(D)
WRONG METHOD	(A)	(B)	(C)	(D)
WRONG METHOD	(A)	(B)	(C)	(D)
WRONG METHOD	(A)	(B)	(C)	(D)
CORRECT METHOD	(A)	(B)	(C)	(D)
CORRECT METHOD	(A)	(B)	(C)	(D)
CORRECT METHOD	(A)	(B)	(C)	(D)
CORRECT METHOD	(A)	(B)	(C)	(D)

11. MERIT LIST :

Separate merit list for all qualifying candidates shall be prepared on the basis of SAAT – 2016 results in the following manner.

- a) One for candidates seeking admission to Engineering / Technology degree courses on the basis of marks obtained in Physics, Chemistry and Mathematics.
- b) One for candidates seeking admission to Pharmacy degree course on the basis of marks obtained either in Physics, Chemistry and Mathematics or in Physics, Chemistry and Biology, whichever is higher.
- c) One each for candidates of diploma streams seeking admission under Lateral Entry scheme to Engineering and Technology / MCA, Pharmacy, and Hotel Management & Catering Technology courses.
- d) One each for candidates seeking admission to MCA, M.Tech. (branch wise), M.Sc. (All), MBA, MHA, MHM, MTTM, M.Pharm., and M.Sc. Nursing Courses.
- e) One for candidates seeking admission to BHMCT Courses.
- f) One each for candidates seeking admission to B.Sc. Nursing and Post Basic B.Sc. Nursing Courses.
- g) One for candidates seeking admission to B.B.A. LLB (Hons) courses.

In addition, separate merit lists will also be drawn

for candidates qualifying under each of the reservation categories. Each qualified candidate shall be given a rank card.

12. ADMISSION RULES AND PROCEDURE:

- 12.1 The reservation policy will be followed as specified in article 13.
- 12.2 Admission is strictly based on merit (i.e. rank obtained) and choice of the candidate for different courses offered during the counselling.
- 12.3 Candidates will be called for counselling as per the schedule to be dispatched along with the rank card.
- 12.4 During Counselling all certificates in original will be verified. For records of the Institutes, two sets of attested copies of the certificates and mark sheets etc. will be collected during counselling.
- 12.5 A candidate selected through the counselling for a course is admitted and registered as a student of SOA University automatically. The student receives a registration number and a university registration card.

NOTE : At any time during the course of study in the university, if it is found that the student is not satisfying the minimum eligibility criteria for admission into a particular course as prescribed by the SAAT-2016 information brochure and rules laid down by other statutory bodies, the candidates admission will be cancelled. He/She cannot claim the same in court of law. Hence, candidates are requested to make sure that they fulfill all the criteria before seeking admission.

13. RESERVATION POLICY:

- 13.1 15% and 7.5% seats in all programmes are reserved respectively for candidates belonging to Schedule Caste and Schedule Tribe by birth (not by marriage or adoption).

Note : Scheduled Caste / Scheduled Tribe persons who have migrated from their state of origin to another state for the purpose of seeking education, employment etc., will be deemed to be Scheduled Caste / Tribe of state of their origin and will be entitled to derive benefits from the state of origin and not from the state to which they have migrated. (Vide Govt. India Letter No. BC/ 160 14.1.82 SC & BCD / dated 22nd Feb., 1985). Thus, SC/ST candidates from Odisha who are staying outside the state have to produce SC/ST certificate from the competent authority of Odisha State during counselling.

Separate merit lists will be drawn up for each reserved category. If eligible candidates belonging to one reserved category are not available, seats can be filled up by the candidates belonging to the general category.

- 13.2 OBC candidates are only eligible for mark relaxation.
- 13.3 Candidates applying for SC/ST/OBC reserved category shall furnish SC/ST/OBC certificate from the Tahasildar of the place of birth **at the time of counselling** in the format given in the Counselling Brochure along with original caste certificate.
- 13.4 3% seats are reserved for physically handicapped (PH) candidates for admission to engineering / technology / Medical / Dental / MBA / MCA / HMCT /

Pharmacy / Nursing / Law / Biotechnology / Agriculture courses and candidates are eligible to be considered under Physically Handicapped Category for admission to these courses with 40% disabilities in consonance with section-39 of the Persons with Disabilities (Equal opportunities, Protection of Rights and full participation) Act, 1995. Candidates applying for PH reserved category shall have to furnish a medical certificate from a medical board constituted under the chairmanship of Dean, Institute of Medical Science & SUM Hospital (IMS & SH) with senior professors of the IMS & SH and Director (Admissions) of SOA University or his representative(s) at the time of counselling in format given in the Counselling Brochure. The board should certify that they are eligible to be categorized as physically handicapped candidates with capable of undergoing each part of the requirements for Engineering / Medical studies. **The decision of the Medical Board will be final & binding.** They SHOULD NOT, therefore, submit along with the application form any medical certificate to the effect that they are physically handicapped.

Visual disability and hearing impairment candidates are not eligible as stipulated by Medical Council of India.

- 13.5 30% of seats under each category for all the programmes **(except for MBBS and BDS courses)** are reserved for women candidates.
- 13.6 a) Seats available under general category in any course are those available after deduction of the number of seats pertaining to the reserved categories from the total number of seats available for that particular course.
 - b) For admission into a programme a candidate belonging to categories 13.1, 13.2 and 13.4 can also compete under general category provided he/she satisfies all conditions of eligibility for the same. At the time of counselling for admission, a candidate figuring in the merit list for both reserved and general categories may first exercise his/her option for the institute and discipline for admission under reserved category. A candidate who forgoes his / her option under reserved categories is entitled to exercise his/her option subsequently for the institute and discipline for admission according to his/her merit position under general category.
 - c) If a candidate does not report during scheduled date / hour of counselling, he/she will be treated as an absentee and no seat will be kept reserved for him/her. A candidate failing to report for counselling will not be permitted to participate in the counselling subsequently under any circumstances.
 - d) If all the seats belonging to ST reserved category are not filled up due to non-availability of candidates belonging to ST category, such vacant seats may be filled up by candidates belonging to SC category. If all the seats belonging to SC reserved category are not filled up due to non-availability of

candidates belonging SC category, such vacant seats may be filled up by general category. If all the seats belonging to PH reserved category are not filled up due to non-availability of candidates belonging to PH category, such vacant seats may be filled up by candidates belonging to general category.

- e) Seats reserved under women category will be filled up by general category candidates in case the same are not filled up.

f) No reservation norms are applicable for lateral entry admissions.

Note : In case of any change in the percentage of reservation of seats/reservation criteria mentioned in the clause above on the basis of guidelines from MHRD it will be intimated through the counselling brochure to all the merit listed candidates. It will also be published in our website and in the notice board at the counselling venue.

14. CHOICE OF DISCIPLINE :

Selection for admission will be strictly on the basis of rank secured in the merit list subject to the availability of seats in the disciplines at the time of counselling for admission.

A candidate failing to report for counselling on the date and time prescribed will not be given chance subsequently under any circumstances.

15. FEE STRUCTURE (₹)

B.Tech. / DDE		99,000/- p.s.
B.Tech. [Lateral Entry]		1,70,000/- p.a.
M.Tech / MCA / LE - MCA		1,30,000/- p.a.
MBBS (Nine semesters)		4,45,000/- p.s.
BDS		3,95,000/- p.a.
MBA		2,50,000/- p.a.
MHM/MTTM		80,000/- p.a.
B.Pharm.		99,000/- p.a.
LE - B.Pharm. / MHA		90,000/- p.a.
B.Sc. Agriculture / M.Pharm.		1,10,000/- p.a.
M.Sc. (All)		70,000/- p.a.
BHMCT / LE - BHMCT		76,000/- p.a.
B.Sc. Nursing (Basic / Post Basic)		75,000/- p.a.
M.Sc. Nursing		90,000/- p.a.
BA LLB (H) / BBA LLB (H) / BBA		80,000/- p.a.
Institute Caution Money (one time)		5,000/-
Student Welfare Fund (one time)		2,000/-
Student Registration to Professional Societies* (one time)		3,000/-
HOSTEL FEES	Boarding Charges	39,000/- p.a.
	Caution Money (One time)	5,000/-
	Total Hostel Fees	44,000/-
Transportation Fees (optional)		15,000/- p.a.

*Only applicable for candidates admitted to Faculty of Engineering (ITER).

Per Annum : p.a. & Per Semester : p.s.

N.B. : (a) For MBBS / B.Tech. / DDE programmes two semester fees will be collected at the beginning of each academic year.

(b) Hostel fees exclude the mess charges. The mess charges will be approximately ₹ 3000/- p.m (as per actuals). The hostel fees is applicable for current academic session. This will be reviewed and notified in subsequent years.

(c) Registration fee of ₹ 2500/- per semester towards semester registration, for all programmes which will be deposited at the beginning of the semester.

(d) At the time of counselling the candidates are required to pay an initial amount of ₹ 30,000/- in the form of a demand draft in favour of **"Siksha 'O' Anusandhan University"**, payable at Bhubaneswar. The draft should be drawn from any nationalised bank. The balance amount has to be paid at the time of admission at respective institutes in form a demand draft in favour of **"Siksha 'O' Anusandhan University"**. Hostel and Transportation fees are to be paid in separate drafts. The annual admission fees has to be paid by the student by 15th of July every year, failing which penalty as notified time to time be imposed.

N.B.: The University has provision of scholarship to meritorious students in various programmes as per given in Appendix-XV.

16. REFUND RULES :

The University shall refund the paid fees as per the following rules :

- If a candidate withdraws his/her admission after the counselling and before the classes starts dates for the session 2016-2017 (as notified to the students), the candidate will be refunded all fees paid after deducting the processing fees of ₹ 1,000/-.
- Any candidate withdrawing his/her admission after commencement of classes, no refund will be made.
- For refund the candidate / parent have to submit a written application addressed to the Director (Admissions), Siksha 'O' Anusandhan University along with the original University registration card. The bank account details (for RTGS) of the **candidate only** is required to be filled in a form available with the Admission Cell and submit along with the photocopy of the front page of the passbook and the original money receipt to the all the fees paid.
- The refund information given above is indicative and the University reserved the right to make changes.

17. COUNSELLING - CUM - ADMISSION:

The counselling of qualified candidates shall be held in the university campus / ITER Campus. The exact schedule of counselling / percentage of seat allocation shall be intimated later to the qualified candidates along with their rank cards. Counselling and seat allocation will be purely on merit basis i.e. based on the performance in the Entrance Examination. Counselling Schedule will be published in the website on the day of declaration of result. Candidates have to attend the counselling as per the schedule. Verification of original

documents would be done at the time of counselling / admission, so as to verify records of identification, age, qualifying examination and category of candidates. Candidates must be qualified in SAAT-2016 or any equivalent state/national level entrance test. The university will fill up 15% of seats in professional programmes in view of the instruction issued by the UGC (Admission to specified professional programmes 1st Amendment interim regulation, 2003). Rest of the seats will be filled up through counselling (SAAT- 2016).

For lateral entry, the university shall fill up 20% of seats in each branch of B.Tech, B.Pharm and BHMCT through counselling over and above the sanctioned strength.

The university reserves the right to fill up the vacant seats, if any, in any discipline duly approved by the competent authority of the university.

ORIGINAL DOCUMENTS TO BE BROUGHT ON THE DAY OF THE COUNSELLING - CUM - ADMISSION.

- Admit card of SAAT-2016
- Rank Card of SAAT-2016
- Proof of Identity
- Original Date of Birth Certificate / 10th certificate
- Original School / College Leaving Certificate
- +2 Certificate
- +2 Mark Sheet and 10th Mark Sheet
- Diploma / Bachelor's Degree Certificate (for Lateral Entry Candidates)
- Diploma / Bachelor's Degree Mark Sheet (for Lateral Entry Candidates)
- Bachelor's Degree Certificate (for MCA / M.Tech. / M.Pharm. / M.Sc. Nursing / M.Sc. All / MBA / MHA / MHM/MTTM)
- Bachelor's Degree Mark Sheet (for MCA / M.Tech. / M.Pharm. / M.Sc. Nursing / M.Sc. All / MBA / MHA / MHM/MTTM)
- Bank Draft: A fee of ₹ 30,000/- in the form of a demand draft drawn from any nationalized bank in favour of Siksha 'O' Anusandhan University, Bhubaneswar, payable at Bhubaneswar.**
- Any other relevant certificate as mentioned in this Brochure.
- Two sets of attested photocopy of all original documents.
- Four recent passport size coloured photographs
- Caste Certificate in the prescribed format along with original caste certificate.

18. ENQUIRY REGARDING ADMISSION:

Information regarding admission may be obtained from the University, SAAT- 2016.

Ph. : +91-674-2350180 / 2350884 / 9437035916

Fax : +91-674-2351217 / 2351880

Website: www.soauniversity.ac.in

e-mail: saat@soauniversity.ac.in

Note : All enquiries and correspondence with SAAT-2016 authorities must bear the candidate's Application number. After receiving the admit card the candidate should also quote the Roll No. allotted to him/her in the correspondence,

if any. Telephonic enquiry will be attended between 3.00PM to 5.00PM on all working days.

19. LEGAL JURISDICTION:

All disputes pertaining to the conduct of SAAT- 2016 shall fall within the jurisdiction of Bhubaneswar only. If any person or officer engages himself / herself in act(s) that would result in the leakage of the question paper(s) or attempt to use or help in the use of unfair means in this Examination, he / she shall be liable to prosecution under the Indian Penal Code.

Appendix - I

SYLLABUS FOR

(B.Tech./ DDE /MBBS / BDS

/ B.Pharm. / B.Sc. Ag. / B.Sc. Nursing)

(A) PHYSICS

UNIT 1: PHYSICS AND MEASUREMENT

Physics, technology and society, S I units, Fundamental and derived units. Least count, accuracy and precision of measuring instruments, Errors in measurement, Dimensions of Physical quantities, dimensional analysis and its applications.

UNIT 2: KINEMATICS

Frame of reference. Motion in a straight line: Position-time graph, speed and velocity. Uniform and nonuniform motion, average speed and instantaneous velocity Uniformly accelerated motion, velocity-time, position-time graphs, relations for uniformly accelerated motion. Scalars and Vectors, Vector addition and Subtraction, Zero Vector, Scalar and Vector products, Unit Vector, Resolution of a Vector. Relative Velocity, Motion in a plane, Projectile Motion, Uniform Circular Motion.

UNIT 3: LAWS OF MOTION

Force and Inertia, Newton's First Law of motion; Momentum, 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. Static and Kinetic friction, laws of friction, rolling friction. Dynamics of uniform circular motion: Centripetal force and its applications.

UNIT 4: WORK, ENERGY AND POWER

Work done by a constant force and a variable force; kinetic and potential energies, workenergy theorem, power. Potential energy of a spring, conservation of mechanical energy, conservative and nonconservative forces; Elastic and inelastic collisions in one and two dimensions.

UNIT 5: ROTATIONAL MOTION

Centre of mass of a two-particle system, Centre of mass of a rigid body; Basic concepts of rotational motion; moment of a force, torque, angular momentum, conservation of angular momentum and its applications; moment of inertia, radius of gyration. Values of moments of inertia for simple geometrical objects, parallel and perpendicular axes theorems and their applications. Rigid body rotation, equations of rotational motion.

UNIT 6: GRAVITATION

The universal law of gravitation. Acceleration due to gravity