

Test Code	Test Name	Course Code	Course Name	Eligibility
106	STATISTICS	10601	M.Sc. Statistics	B.Sc./B.A with both Statistics and Mathematics.
		10602	M.Sc. Statistics with Computer Science offered in department of Statistics	

Note: For M.Sc. Psychology, M.Sc. Geography courses see the Test No.201 Course codes 20112, 20123, 20124.

Test Code	Test Name	Course Code	Course Name	Eligibility
107	5-YEAR INTEGRATED M.Sc. GEOLOGY	10701	M.Sc. 5-Year Integrated course in Geology (B.Sc + M.Sc) - offered in Department of Geology – AUCST	A pass in Intermediate with Mathematics, Physics, Chemistry (MPC) / Biology, Physics, Chemistry (BiPC) or equivalent as recognized by Board of Intermediate Education, Andhra Pradesh with a minimum of 50% marks. In case of SC/ST candidates a minimum pass with 45% marks in the qualifying examination is sufficient.
	5-YEAR INTEGRATED M.Sc. CHEMISTRY (APPLIED CHEMISTRY)	10702	5-Year Integrated M.Sc. Chemistry (Applied Chemistry) - offered in Department of Engineering Chemistry – AUCE(A)	A pass in Intermediate with Mathematics, Physics, Chemistry (MPC) / Biology, Physics, Chemistry (BiPC) or equivalent as recognized by Board of Intermediate Education, Andhra Pradesh with a minimum of 50% marks. In case of SC/ST candidates a minimum pass with 45% marks in the qualifying examination is sufficient.

* The students admitted in 5-Year Integrated courses can avail exit option after the completion of 3 years course period. They will be given B.Sc. degree.

Test Code	Test Name	Course Code	Course Name	Eligibility
201	HUMANITIES & SOCIAL SCIENCES	20101	M.A. Ancient History & Archaeology	B.A. with History or B.A.(O.L.) with History or B.F.A.
		20102	M.A. History	
		20103	M.J.M.C.	Any graduate degree Recognized by AU.
		20104	M.S. Mass Communication & Media Studies	
		20105	M.A. (H.R.D.) – Offered in Law College.	
		20106	M.L.I.Sc.	
		20107	M.A. Philosophy	
		20108	M.A. Anthropology	
		20109	M.A. Sociology	
		20110	M.Sc. Psychology* (offered in Science College)	1) 50% seats with B.A./B.Sc. course with Psychology. 2) 50% seats with B.Sc./BPT/ B. Pharm / B.E.or B.Tech Any unfilled seats in any group may be filled by other group.
		20111	M.A. Political Science	a) 50% seats to students from graduates of Political Science or Public Administration. (b) 50% seats to students from graduates of any other course. (c) Any unfilled seats in any category may be filled by other category.
		20112	M.A. Political Science – VZM	
		20113	M.A. Public Administration	
		20114	M.Ed. (I.A.S.E) (2 years duration)	a) B.Ed. b) B.A. Ed/B.Sc. Ed. c) B.E.I.Ed.
		20115	M.Ed. (2 years duration)	
		20116	M.Ed. – PGC – AU- VZM (2 years duration)	d) D.Ed. with B.A./B.Sc./B.Com/ B.E. or B.Tech
		20117	M.A. Social Work	B.A. Social Work / Social Sciences as one of the subjects / B.Sc./ B.C.A. / B.Com./B.A.L./B.F.A./ B.B.M.

Test Code	Test Name	Course Code	Course Name	Eligibility
201	HUMANITIES & SOCIAL SCIENCES	20118	M.P.Ed	B.P.Ed. of this University or B.P.Ed. or B.P.E. of any other University recognized as equivalent there to.
		20119	Adult & Continuing Education	Any graduate.
		20120	M.A. Yoga & Consciousness	Any graduate.
		20121	M.Sc. Geography- B.A Stream*(offered in Science College)	B.A. with Geography as one of the subjects.
		20122	M.Sc. Geography B.Sc. Stream* (offered in Science College)	B.Sc. with any three science subjects. Note : The unfilled seats in one stream shall be filled by the available candidates from the other stream.
		20123	M.A. Women Studies	Any graduate degree recognized by AU.
		20124	PG Diploma in Co-operation & Rural Studies (One year)	
		20125	M.F.A. (Sculpture) (2 years duration)	B.F.A. Regular Study only
			M.F.A. (Painting) (2 years duration)	
			M.F.A. (Print Making) (2 years duration)	
20126	M.A. Dance (Self-Finance)	<ul style="list-style-type: none"> i) Candidates with B.A. Dance Kuchipudi / Bharatanatyam. ii) Any Bachelors degree with Natyavisarada or Govt. Diploma course in Dance. iii) Any Bachelors degree with 4 year Govt. Certificate Course in Kuchipudi / Bharata Natyam. iv) Any Bachelors degree with Audition grade in Doordarshan in Dance. 		
20127	M.A. Music	<ul style="list-style-type: none"> i) Candidates with B.A. Music or B.Music ii) Candidate of Any Bachelor's degree with a diploma or 4year Govt. Certificate course in Music iii) Any graded artist in AIR in Carnatic Classical Music with any Bachelor's degree. iv) Any Bachelor's degree with Sangita Visrada v) Any Bachelor's degree with Yuvavani Auditioned Artistes 		

* Science college courses

Test Code	Test Name	Course Code	Course Name	Eligibility
202	ENGLISH	20201	M.A. English	B.A.(special English) /B.A. /B.Sc. /B.Com./ B.A.(OL)/ B.F.A./B.A.L.(with Part-I General English for a minimum of 200 marks).
		20202	M.A. English – PGC-AU-VZM	
203	TELUGU	20301	M.A. Telugu	B.A./B.Com./B.Sc./ with Telugu as a subject of study or B.A.(OL) or Bhasha praveena with Part I Telugu of B.A. or B.Com. or Bhasha Praveena with P.O.L.
204	M.COM	20401	M.Com.	B.Com. (Including vocational and restructured course including computers) / BBA / BBM.
		20402	M.Com. – PGC-A.U –VZM	
205	M.H.R.M	20501	M.H.R.M.	Any graduate degree Recognized by AU.
206	ECONOMICS	20601	M.A. Applied Economics	B.A. Economics as one of the subject / B.Sc. with Mathematics, Economics and Computer Science.
		20602	M.A. Economics	

SCIENCE COURSES

(Admissions will be made based on merit in the qualifying degree marks)

Test Code	Test Name	Course Code	Course Name	Eligibility
151	ATMOSPHERIC SCIENCE	15101	M.Tech. Atmospheric Science (2-Year Course)	i) 60% of the seats with M.Sc. Meteorology, M.Sc. Physical Oceanography. ii) 40% of the seats with M.Sc. Physics, M.Sc. Space Physics, M.Sc. Nuclear Physics, M.Sc. Electronics, M.Sc. Geophysics, M.Sc. Marine Geophysics, M.Sc. Hydrology, M.Sc. Mathematics, M.Sc. Applied Mathematics, B.Tech or B.E in Civil Engineering, ECE, EEE, Computer Science, Information Technology and Mechanical Engineering. Any unfilled seats in any group may be filled by other group.
152	OCEAN SCIENCES	15201	M.Tech. Ocean Sciences (2-Year Course)	
153	PETROLEUM EXPLORATION & PRODUCTION	15301	M.Tech. Petroleum Exploration & Production (2-Year Course)	<p>Geo Sciences Stream : (M.Sc./M.Sc.(Tech) Geology, Marine Geology, Applied Geology, Geo Informatics, Geophysics, Marine Geophysics and B.Tech. Geo Sciences, Geo Informatics Engineering or equivalent)</p> <p>Engineering Stream : (B.Tech. Chemical / Mechanical / Petroleum / Applied Petroleum / Petrochemical / Engineering or equivalent).</p> <p>Note: If the seats in one category are not filled, they can be filled from other stream.</p>

ARTS COURSES

(Admissions will be made based on merit in the qualifying degree marks)

Test Code	Test Name	Course Code	Course Name	Eligibility
251	SANSKRIT	25101	M.A. Sanskrit	B.A./B.Sc./B.Com with Sanskrit or Vidya Praveena with P.O.L. or Bhasha Praveena with P.O.L. or B.A. (OL) with Sanskrit or Senior P.G.Diploma in Sanskrit.

252	HINDI	25201	M.A. Hindi	Any bachelor degree in Arts, Science or Commerce with Hindi as one of the subjects or any bachelor degree in Arts, Science or Commerce without Hindi as one of the subjects, but with a diploma such as Sahitya Ratna, Bhasha Praveena or Vidwan or Equivalent to that.
253	B.F.A.	25301	B.F.A. (4 years duration)	A pass in higher secondary course (H.S.C.) 10+2 pattern or Intermediate examination or its equivalent / 10+3 years Diploma.

Seats will be filled on all India basis.

APPENDIX-II

SYLLABI FOR ENTRANCE TESTS IN SCIENCE, ARTS, COMMERCE & ENGINEERING

101 – LIFE SCIENCES

Total Marks : 100

- Cell Biology** : Ultrastructure of prokaryotic and eukaryotic cell, Structure and function of cell organelles. Cell division – Mitosis and Meiosis. Chromosomes structure, Karyotype.
- Genetics** : Mendelian principles, Gene Interaction, Linkage and Crossing over, Sex determination, Sex linkage, Mutations – Genic and chromosomal (Structural and numerical); Chromosomal aberrations in humans. Recombination in prokaryotes transformation, conjugation, transduction, sexduction. Extra genomic inheritance.
- Molecular Biology and Genetic Engineering** : Structure of eukaryotic gene, DNA and RNA structure, DNA replication in pro and eukaryotes, Transcription and translation in pro and eukaryotes, genetic code. Regulation of gene expression in prokaryotes, Principles of recombinant DNA technology. DNA vectors, Transgenesis. Applications of genetic engineering.
- Biotechnology** : Plant and animal cell culture, cloning, Fermentors types and process, Biopesticides, biofertilizers, Bioremediation, Renewable and non – renewable energy resources, Non-conventional fuels.
- Biomolecules** : Carbohydrates, proteins, amino acids, lipids, vitamins and porphyrins. Enzymes – classification and mode of action, enzyme assay, enzyme units, enzyme inhibition, enzyme kinetics, Factors regulating enzyme action.
- Immunology** : Types of immunity, cells and organelles of immune system, Antigen – antibody reaction. Immunotechniques, Hypersensitivity, Vaccines.
- Techniques** : Microscopy – Light and Electron, Centrifugation, Chromatography, Eletrophoresis, Calorimetric and Spectrophotometric techniques, Blotting techniques, PCR, DNA finger printing.
- Ecology, Environment and Evolution** : Theories and evidences of organic evolution, Hardy – Weinberg law. Components of an ecosystem, Ecological pyramids, Biogeochemical cycles, Ecological adaptations. Climatic and edaphic and biotic factors. Ecological sucesion – Hydrosere and xerosere, Natural resources, Biodiversity, current environmental issues, Environmental pollution, Globla warming and climate change.
- Physiology** : Structure and function of liver, kidney and heart, composition of blood, blood types, blood coagulation, Digestion and absorption, Endocrinology, Muscle and Nervous system.
- Metabolism** : Metabolism of carbohydrates, lipids, proteins, aminoacids and nucleic acids. Biological oxidation and bioenergetics.