



Accredited by NAAC with 'A' Grade

Recognized as 'A' Category University by MHRD, Govt. of India

GSAT - 2013

GITAM Science Admission Test

UG & PG Programmes for the academic year 2013 - 14

A University Committed to Excellence



GITAM University

Gandhi Institute of Technology and Management, known as GITAM University, established u/s 3 of the UGC Act, 1956, is one of India's leading universities having 32 years of track record in teaching and research of global standards. The University is located in three picturesque campuses at Visakhapatnam, Hyderabad and Bengaluru. With a multi disciplinary approach, the University offers 110 programmes at UG, PG and Doctoral levels in Technology, Science, Pharmacy, Management, International Business, Architecture and Law.

The University provides state-of-the-art infrastructure and well-equipped laboratories together with excellent student support facilities such as modern library, playgrounds, hostels, 1000 Mbps bandwidth connectivity etc., The truly cosmopolitan environment in the GITAM University campus makes students across the continents feel absolutely at home.

At present there are over 800 dedicated and committed faculty. Most of them possess Ph.D., qualification in various disciplines. The University provides a high quality educational experience to students in a diverse learning environment. All the facilities and amenities are created to meet world class standards. The learner – centered teaching methodology with need based curriculum designed by academic experts prepare GITAM graduates to successfully meet academic or corporate challenges.

The University is the first choice of the students from almost all the States in the country for pursuing quality education in engineering, science, pharmacy, management, law etc. because the students who graduate from GITAM University are among the preferred lot by many top rated companies both in IT and core sectors. As a result, the alumni occupy prominent positions in prestigious institutions and organizations all over the world and most of them are highly successful entrepreneurs.

The Ministry of Human Resource Development, Govt. of India ranked GITAM as 'A' category University among the universities of its kind. Recognizing the holistic education that the University is imparting, the National Assessment and Accreditation Council (NAAC) has accredited the University with 'A' grade. GITAM is one of the few universities that has been accorded 12-B status by the University Grants Commission facilitating research.



GITAM INSTITUTE OF SCIENCE

The Institute of Science has the distinction of offering graduate, postgraduate and doctoral programmes in emerging areas of basic and interdisciplinary sciences. The programmes are designed to inspire and invigorate the intellectual and creative potential of students. Under the guidance of highly qualified and well experienced faculty, the students will not only be prepared to achieve their personal and professional aspirations, but also provided with a strong foundation for their further career pursuits.

The Institute focuses on research in several emerging areas such as nano science, nuclear techniques, energy studies, bio-informatics, networking & embedded systems etc. The research projects funded by UGC, DST, DBT, DAE, BARC, CSIR etc., helped the Institute in the advancement of knowledge in various disciplines in science and benefited the industry and community at large.

The teaching blended with research offers a diversified learning experience characterized by strong faculty-student interaction and heavy emphasis on advanced study. The state-of-the-art laboratories facilitate the students to develop their foundational knowledge from laboratory experiences, making them more competent to work in industrial and research organizations. Students are groomed in good academic environment where they are trained to think creatively. The intellectually vibrant atmosphere on the campus brings faculty and students work together to generate original ideas.

The Institute has a track record of good placements and the alumni are occupying pivotal positions in industry and research establishments in India and abroad.

Undergraduate and 5-year Integrated programmes

B C A (Bachelor of Computer Applications)

B E M (Bachelor of Environmental Mgmt.)

M.Sc. (5-year Integrated) Biotechnology

Postgraduate programmes

M.Sc. Analytical Chemistry

M.Sc. Applied Mathematics
(*Computational Fluid Dynamics-CFD*)

M.Sc. Biochemistry

M.Sc. Bioinformatics

M.Sc. Biotechnology

M.Sc. Electronics Science
(*Embedded Systems and Networking*)

M.Sc. Environmental Science

M.Sc. Food Science & Technology

M.Sc. Microbiology

M.Sc. Organic Chemistry

M.Sc. Physics (*Nuclear /Space /Material /Nano*)

MCA Master of Computer Applications

ABOUT THE PROGRAMMES

The UG & PG Science programmes are offered by eight departments of the Institute of Science located in Visakhapatnam Campus. The course curricula of the programmes are carefully designed to impart wide knowledge in the respective areas of specializations, suitable for placements in reputed organizations and for higher studies within and out side the country.



Department of Applied Mathematics:

The Department offers two year M.Sc. Applied Mathematics (with specialization in Computational Fluid Dynamics-CFD). CFD has widely varying applications in many branches of science and engineering which require the solutions for turbulent and random flow of fluids with applications in environmental hydraulics, railway/aviation industry, chemical process engineering, food industry, biotechnology etc.

The courses are carefully designed to impart essential knowledge in application oriented areas of applied mathematics with major emphasis in CFD, in addition to

core subjects such as Real Analysis, Complex Analysis, Optimization Techniques etc. The major recruiters include Aviation companies, ISRO, NASA, DRDO, Health sectors etc.

The faculty members are well qualified and are actively engaged in research areas: Computational Fluid Dynamics, Operations Research, Boundary Value Problems, Fuzzy logic, etc. The faculty members have published good number of research papers in various reputed National and International journals. The Department has collaborations with reputed national institutes like IIT Madras, IIT Kharagpur and IISc Bangalore.

Department of Biochemistry:

The Department offers two programmes: M.Sc. Biochemistry and M.Sc. Bioinformatics.

The curricula of the above programmes are designed to cover basic and advanced aspects to provide quality education and hands-on experience to cater to the needs of academic & research organizations and industry.

The Department has qualified and experienced faculty, actively engaged in research in the areas of Cancer biology, Clinical biochemistry, Enzymology, Immunology, Molecular Biology & Genetic engineering, Genomics & Proteomics, Molecular modeling, Drug designing and Data mining. The Department is fortified with state-of-the-art equipment: HPLC, PCR, 2D electrophoresis, ELISA reader etc., and also sophisticated commercial bioinformatics tools: Discovery Studios, FlexX etc.



Interactive learning enable the students to qualify in CSIR-NET, DST, DBT, ICMR and International research fellowships to pursue MS and Ph.D. programmes. The Alumni occupy coveted positions in prominent organizations like Dr. Reddy's labs, Shanta biotech, Aurobindo, GVK Biosciences, Wipro, Omics life sciences, Indian Immunologicals Limited, Sai advantium, Biocon etc.

Department of Biotechnology:



The Department offers two year M.Sc. in Biotechnology in addition to five year integrated M.Sc. [with an option to secure B.Sc. at the end of 3rd year and B.Sc. (Hons.) at the end of 4th year].

Biotechnology witnessed tremendous growth and progress in the 21st century and influenced almost every sector of human life in areas like agriculture, human and animal health, pharmaceutical and chemical industries that enhanced the research and employment opportunities for M.Sc. students. Students are occupying positions in prominent organizations like Dr. Reddy's labs, Thomson Reuters, Monsanto, Dupont, Parexel, etc. Good number of students are also pursuing doctoral and post-doctoral programmes in various institutes

like Max Planck institute, Glasgow University, NIH, IISc, CCMB, NII, AIIMS, etc.

The course curriculum is framed to impart wide knowledge to students in all areas of biotechnology with an extensive research training so that they can qualify in national level fellowships/career examinations, like CSIR-UGC National Eligibility Test (NET), DBT, ICMR, BARC, DRDO, etc.

The Department has qualified and experienced faculty engaged in research in frontier areas like molecular biology, genetic engineering, nano biology, plant biotechnology, animal biotechnology and bioinformatics. The Department has good infrastructure facilities like audio visual class rooms, spacious laboratories with the state-of-the-art equipment like UV visible spectrophotometer, PCR, ELISA, millipore water purification system, CO₂ incubator, Inverted microscope, Gel documentation system, Lyophilizer, etc.

The alumni occupy high positions in teaching and research in India and abroad.

Department of Chemistry:

The Department of Chemistry offers two year M.Sc. programmes in Analytical and Organic Chemistry. Long-term and extensive links with industry and companies including Eisai Pharma Ltd, Matrix, Aurobindo Pharma, Divis, GVK-Bio and Hetero drugs ensure the market relevance of our degrees and have led to an exceptionally good track record in graduate employability and accelerated career progression.

The courses are designed with advanced topics on spectroscopy, nano technology, bioorganic chemistry and advanced instrumentation techniques in addition to the core subjects.

Qualified and experienced faculty members engage extensively in interdisciplinary research in myriad areas of chemistry like Nano chemistry, advanced materials, computational chemistry, synthetic organic chemistry, natural products, environmental analytical chemistry, method validation and other applied fields of chemistry.



The Department has well equipped labs and some of the major instruments include FTIR, UV-VIS Spectrophotometer, powder XRD, nano particle analyzer flame photometers, ion selective meters and polarograph. The Department of chemistry has a registered Alumni society which is actively engaged in promoting the network of students having intense rapport with the Department.

Department of Computer Science:



The Department offers two programmes: BCA and MCA. Computer Science is a discipline that requires understanding the design of computers and computational processes. The discipline ranges from the theoretical study of algorithms to the design and implementation of software on systems for applications. The Department periodically updates the syllabi as per the need of the industry and for inter-disciplinary studies.

The three year programs provide a solid foundation in mathematics, statistics, computational problem solving, computer organization architecture and management. The department is equipped with latest technology systems,

international journals and e-journals facilitating faculty and students to pursue research, both in core and inter-disciplinary areas.

Alumni are in senior level positions in prominent software companies. The prominent recruiters are Yahoo, TCS, WIPRO, MIND, ACCENTURE, HP, CAPGEMINI, CSC, IGATE, HCL, etc.

Department of Electronics & Physics:

The Department offers two year M.Sc. Electronics Science (with specialization in Embedded systems and Networking) and M.Sc. Physics (with specialization in Nuclear/Space/Nano/Material Sciences).

The invasion of embedded systems in micro to macro devices in the entire human activity and the networking technology in all ICT enabled services have given impetus to the requirement of well trained manpower in these two fast developing components of electronics science industry.

The setting up of a big national facility devoted to the development of nuclear energy related research by Department of Atomic Energy (DAE) near Visakhapatnam, calls for high caliber talented physicists. Besides, a big boom in Indian Space programme, breakthrough in nano and other wide ranging materials and their applications throughout the world, also require well trained graduates in these emerging areas of specialization.



The state-of-the-art laboratories are well equipped with instruments like CCNA networking, embedded system kits, DSP kits, microwave bench, Scintillation & Geiger Muller counting systems with PC interfacing, in addition to good number of CROs, function generators, communication kits, etc.

The Department has highly qualified and experienced faculty undertaking interdisciplinary research in the fields of Nuclear science and applications, Embedded systems, Networking, Nano physics and Solid state physics. The faculty members undertake collaborative research and MoU projects with Bhabha Atomic Research Centre with the financial assistance by UGC, DAE, BRNS, UGC-DAE CSR, etc.

The prominent recruiters include IT majors such as Wipro, Infosys, TCS, HCL and hardware companies like Panacea Medical Technology, Efftronics, etc. The Alumni have excelled in securing good positions in both soft and hardware industries and are also pursuing research programmes in India and abroad.

Department of Environmental Studies:



The Department offers inter-disciplinary programmes of three year Bachelor of Environmental Management (B.E.M.), and two year M.Sc Environmental Sciences.

Technological growth and development in recent times has been striving to elevate the standards and quality of life. However, it has also resulted in multi-faceted environmental problems, which need to be tackled through an integrated approach involving the latest advances in the fields of physical sciences, biological sciences and engineering.

The programmes have been specially designed to cater the industrial and societal needs, by providing technically trained manpower for solving environmental problems. The programmes provide a platform for environmental scientists and technocrats to utilize their respective skills in an integrated manner and evolve strategies for effective environmental conservation and management.

The curricula includes core subjects like applications of ecology, environmental chemistry, environmental microbiology, remediation technologies, environmental impact assessment, waste water treatment and industrial safety.

The faculty members are highly specialized in inter-disciplinary areas and actively doing research in phytoremediation, water resource management, environmental pollution, environmental geology. etc. The research projects are funded by national agencies like UGC, DST, BRNS, industries like NTPC, VPT, etc.

The department is equipped with advanced instruments such as spectrophotometer, flame photometer, Online gas analyzers, Weather station, noise meters, Respirable dust samplers, Bomb colorimeter, Radiation meter and other sophisticated instruments for analysis of water & waste water, air and soil/solid waste samples, etc., besides modeling and Geographic Information System.

The alumni occupy lucrative positions in teaching and research in India and abroad. The prominent recruiters are APPCB, APITCO, L&T cements, Ramky group, Matrix, Synergies Dooray, Vimta Labs, etc.

Department of Microbiology and Food Science & Technology:

The Department offers two year M.Sc. programmes in Microbiology and Food Science & Technology with an aim to train the man power required for fast expanding food industry in the country. The students are trained in food chemistry, food engineering, food processing and product development. The students are trained in National and International Institutes like CFTRI, DFRL, NIN, etc. The Department provides hands on experience on equipment such as juice extractor, moisture analyzer, multipurpose machine, packing machine.



The course curriculum is designed to train the students for gainful employment in various microbiology based industries and research organizations around the globe. The laboratories are well equipped with modern equipment like bioreactor, ELISA reader, refrigerated centrifuges, UV visible spectrophotometer.

The Department has qualified, well trained and experienced faculty in algal biotechnology, industrial biotechnology, microbial biotechnology, bioremediation, food product development and nutrition.

Projections for the next 20 years suggest that there will be a demand for trained microbiologists such as bacteriologists, virologists, biotechnologists, cell biologists, environmental scientists, geneticists, immunologists, mycologists, parasitologists and also researchers in various Universities, research institutes and industries.

The Alumni are occupying senior positions in teaching, industry and research in India and abroad. The major recruiters are Indian Immunologicals Limited, Reddys' laboratories, Divis, Coromandel fertilizers, Nestle, Capricorn Foods etc.

Faculty

The strength of GITAM University is its dedicated and committed faculty numbering over 800 in various disciplines at the three campuses who nurture the budding scientists and professionals through effective teaching and practical training. Most of the faculty has experience in industry and research organizations. The faculty has undertaken a number of research projects sponsored by various funding agencies and also offer consultancy to major industries across the country. GITAM University also invites visiting faculty from industry and research institutes to teach specialized courses.

Pedagogy

ICT enabled learning methods and latest pedagogic techniques are extensively used. The teaching methodology is practical, hands-on and real-time, rather than merely theoretical. At every stage of the learning process, interface with the industry, interaction with practicing professionals and internship with corporates is given utmost importance. Students are required to attend periodic seminars, symposia, workshops and trade fairs that can provide a far more comprehensive view of ground realities. Thus students obtain the 'knowledge plus experience' edge making them the first choice of prestigious corporates in campus interviews and selection for research establishments.

Tie-ups with foreign Universities and premiere research establishments

The University has entered into several tie-ups and collaborations with prestigious institutions in India and abroad. These include tie-ups with West Virginia University (USA), University of Glasgow, SUNY (B), Central Michigan University, University of Nebraska, Burgundy School of Business, Southern Polytechnic State University, etc. The University also has tie-ups with several multi national corporations - IBM, Ericsson, Oracle, Intel Group, TCS, HCL, WIPRO, in addition to MoUs with Bhabha Atomic Research Centre (BARC), Ministry of Petroleum (HPCL) etc.

Central Library at Visakhapatnam

A fully air-conditioned central library popularly known as Knowledge Resource Centre is provided with all modern facilities like Internet, Digital Library and E-learning centre. The library is a treasure-house of multi-disciplinary volumes exceeding 22.44 lakhs books in hard and soft form. The number of national and international journals and periodicals has exceeded 450 in addition to over 6,000 e-journals in various disciplines. It is also provided with Info-Net service that facilitates online access to e-books and e-journals connecting all the three campuses.

World Class Data Centre

GITAM has a Data Centre (Central Computing Facility) housing a Super Computer capable of delivering 1.5 Teraflops. GITAM has a world-class network with 10G backbone and a sophisticated high-end WiFi network covering the entire campuses at Visakhapatnam, Hyderabad and Bengaluru. The network is connected to the internet at a blazing speed of 1Gbps (1000 Mbps).

Sports & Recreation

The University focuses on holistic learning along with ensuring rigorous academic standards and encouraging students to actively pursue indoor and outdoor sports as a part of their recreational activities and overall personality development. The facilities in the campus include: outdoor play fields for Football, Volleyball, Tennis, Throwball etc., Athletic Track, Cricket pitches, Indoor Stadium with state of the art facilities for Table Tennis, Basketball, Badminton, Volleyball etc., Tennis Academy with two synthetic and two clay flood-lit courts, Modern Gymnasium & Yoga Centre.

Amenities

The day-to-day needs of the student community are well taken care of by the amenities provided on the campus like day care health centre, Union Bank of India and Indian Bank with ATM, Post office, Book Store, Photo Studio, Travel Agency, Beauty Parlor, Sub-Way and Food Courts.

Effective teaching learning process

- ❧ Student focused pedagogy
- ❧ Research based teaching and learning
- ❧ ICT enabled teaching learning
- ❧ Web based interactive teaching
- ❧ Hands on training on State-of-the-art equipment
- ❧ Class room seminars for interactive learning
- ❧ Industrial visits for experiential learning
- ❧ Effective mentor-mentee system to build confidence
- ❧ Monitoring student progress by Individual attention
- ❧ Remedial classes for slow learners

Campus placement preparedness

- ❧ Curriculum design based on Industrial needs and student employability
- ❧ Intensive training in personality development and communication skills
- ❧ Distinguished lectures by CEO's and Directors from industry and research establishments
- ❧ Weekly pre-placement tests

Training for higher studies

- ❧ Orientation in research based projects
- ❧ Assignments based on reference material for advanced learners
- ❧ Summer projects in premiere Institutes with fellowships and in renowned multinational organizations
- ❧ Participation in seminars, conferences and workshops
- ❧ Student projects with financial assistance
- ❧ Student research forum for inter-disciplinary advanced learning
- ❧ Training for UGC/CSIR-NET, ICAR, ICMR, DBT, BARC, TIFR tests for research fellowships

ADMISSION INFORMATION

I. FOR ADMISSION TO M.SC. PROGRAMMES:

Candidates seeking admission to various M.Sc. programmes of GITAM Institute of Science of GITAM University are required to appear for an entrance test **GSAT - 2013** to be held at various centres in Andhra Pradesh and outside. Admission is based on the rank obtained in the entrance test.

Requirement for admission to all science programmes is a minimum aggregate of 50% marks in group (optional) subjects in the qualifying examination.

Candidates who have already passed qualifying examination or who have appeared/ are appearing for the final examinations in 2013 are also eligible.

The GSAT - 2013 consists of the following tests. In each test, there will be 60 multiple choice questions from the syllabus which can be downloaded from the GITAM website www.gitam.edu. Ranks will be given **separately** based on the performance in the respective tests.

Course into which admission is sought	Test code No.	Subject of the test	No. of bits*	Max. Marks	Max. Time
M.Sc. Applied Mathematics	101	Mathematics	60	60	1 hour
M.Sc. Physics	102	Physics/ Electronics	60	60	1 hour
M.Sc. Electronics Science					
M.Sc. Analytical Chemistry	103	Chemistry	60	60	1 hour
M.Sc. Organic Chemistry					
M.Sc. Biochemistry	104	Life Sciences	60	60	1 hour
M.Sc. Biotechnology					
M.Sc. Microbiology					
M.Sc. Food Science & Technology					
M.Sc. Bioinformatics	105	Bioinformatics	60	60	1 hour
M.Sc. Environmental Science	106	Environmental Science	60	60	1 hour

* *The question paper contains three sections: A (15 bits), B (20 bits), C (25 bits)*

NOTE: *Candidates are required to apply separately for each test. Fee for each test is Rs.300/-*

Eligibility Criteria:

Sl. No.	Eligibility for admission into	Qualifying examination with specialization at degree level
1	M.Sc. Applied Mathematics	B.Sc. with Mathematics as one of the subjects; and Maths & Physical sciences in Intermediate or 10 +2 level
2	M.Sc. Physics	B.Sc. with Physics, Mathematics and any other
3	M.Sc. Electronics Science	B.Sc. with Electronics/Physics, Mathematics and any other subject
4	M.Sc. Analytical Chemistry	B.Sc. with Chemistry as one of the subjects
5	M.Sc. Organic Chemistry	B.Sc. with Chemistry as one of the subjects
6	M.Sc. Biochemistry	Any two of the following subjects in B.Sc: Agriculture, Biochemistry, Bioinformatics, Biotechnology, Botany, Chemistry, Environmental Science, Food & Nutrition, Genetics, Home Science, Medical Lab Technology, Microbiology, Zoology, B.Tech. Biotechnology / Agriculture / Chemical Engineering / Biomedical, B.Pharm.
7	M.Sc. Biotechnology	
8	M.Sc. Microbiology	
9	M.Sc. Food Science & Technology	
10	M.Sc. Bioinformatics	Any two of the following subjects in B.Sc: Agriculture, Biochemistry, Bioinformatics, Biotechnology, Botany, Chemistry, Computer Science, Environmental Science, Food and nutrition, Genetics, Home Science, Mathematics, Medical Lab Technology, Microbiology, Physics, Zoology, B.Pharm., B.Tech.CSE/IT/Biotechnology/ Biomedical
11	M.Sc. Environmental Science	First preference will be given to BEM candidates. The remaining seats will be allotted to candidates with B.Sc. in Life Sciences or Physical Sciences, B.Tech. Biotechnology/Chemical/Civil/Environmental/ Biomedical

II. FOR ADMISSION TO UG PROGRAMMES [BEM / 5 year Integrated M.Sc. and BCA]:

GITAM Institute of Science, GITAM University, offers the following courses for Intermediate / +2 candidates.

- **Bachelor of Environmental Management (BEM)**
- **Five year Integrated M.Sc. Programme in Biotechnology** (with an option to secure B.Sc. at the end of 3rd year and B.Sc. (Hons.) at the end of 4th year)
[Candidates with science optionals are only eligible]
- **Bachelor of Computer Applications (BCA)**

Candidates seeking admission to the above programmes are required to appear for an entrance test **GSAT - 2013** to be held at various centres in Andhra Pradesh and outside. Admission is based on the rank obtained in the entrance test.

Requirement for admission to the above programmes is a minimum aggregate of 50% marks in group (optional) subjects in the qualifying examination.

Candidates who have already passed qualifying examination or who have appeared/ are appearing for the final examinations in 2013 are eligible.

The GSAT - 2013 consists of the following tests. In each test, there will be altogether 60 multiple choice questions from the syllabus which can be downloaded from GITAM website www.gitam.edu.

Course into which admission is sought	Test code No.	Subject of the test
BEM / Five year integrated M.Sc.	107	Mathematics or Biology, Physics and Chemistry (or) Environmental education*
BCA	108	Analytical Ability

* for candidates with other than science optionals at Intermediate / +2, seeking admission to BEM programme only

Test Code No.107 contains three sections and in each section there will be 30 multiple choice questions:

Section	Subject	No. of bits	Maximum Marks
A	Mathematics	30	30
B	Physical Sciences	30	30
C	Biological Sciences	30	30

Group / optional subjects in the Qualifying examination (+2 or equivalent)	Sections to be answered	Maximum Time
Mathematics, Physics and Chemistry	SECTION A & B	1 hour
Biology, Physics and Chemistry	SECTION B & C	1 hour

Candidates with other than science optionals at Intermediate / +2, seeking admission to BEM programme, have to attempt Section D of Test Code No.107:

Section	Subject	No. of bits	Maximum Marks	Maximum Time
D	Environmental Education	60	60	1 hour

Test Code No.108 contains only one section with 60 multiple choice questions each carrying one mark.

Test Code No.	Subject	No. of bits	Maximum Marks	Maximum Time
108	Analytical Ability	60	60	1 hour

NOTE: Candidates are required to apply separately for each test. Fee for each test is Rs.300/-

**Candidates qualified in GAT-2013 are also eligible for admission to BCA, BEM and M.Sc. Biotechnology (5 year integrated) programmes*

III. FOR ADMISSION TO MCA PROGRAMME:

Candidates seeking admission to MCA programme are required to appear for an entrance test **GSAT - 2013** to be held at various centres in Andhra Pradesh and outside. Admission is based on the rank obtained in the entrance test.

Requirement for admission to the above programmes is a pass in any Degree with 50% Marks and Mathematics at +2 level or Degree level or equivalent examination.

Candidates who have already passed qualifying examination or who have appeared/ are appearing for the final examinations in 2013 are also eligible.

Test Code No.109 contains three sections A (15 bits), B (20 bits), C (25 bits)

Test Code No.	No. of bits	Maximum Marks	Maximum Time
109	60	60	1 hour

Section	Subject	No. of bits	Maximum Marks
A	Communicative Ability	15	15
B	Analytical Ability	20	20
C	Mathematical Ability	25	25

IV. TEST CENTRES (for both Postgraduate and Undergraduate courses):

Anantapur	Kakinada	Tirupathi	Bhubaneswar	Nagpur
Bhimavaram	Khammam	Vijayawada	Dhanbad	Patna
Eluru	Kurnool	Visakhapatnam	Guwahati	Pune
Guntur	Ongole	Warangal	Jamshedpur	Raipur
Hyderabad	Rajahmundry	Bengaluru	Kota	Rayagada
Kadapa	Srikakulam	Berhampur	Kolkata	Varanasi

(Tests will be conducted at the above centres depending on the number of candidates opting for those centres. If sufficient number of candidates do not opt for a particular centre, they will be allotted to the nearby centre)

V. FINANCIAL ASSISTANCE

GITAM University offers financial assistance in the form of merit fellowships / merit-cum-means scholarships to the deserving candidates.

- Merit fellowships will be awarded to 10% of students of each M.Sc. programme @ Rs.2000/- per month depending upon their performance at the first semester end examinations. Continuation of this fellowship depends on his/her performance in the first year.
- Merit-cum-means scholarships will be awarded to 5% of students joining in various programmes of GITAM Institute of Science @Rs.2000/-per month depending on his/her performance in the first semester end examinations and income of the parent (subject to a maximum income of Rs.2,00,000/- per annum). Continuation of this scholarship depends on his/her performance in the first year of his/her study.
- Two merit scholarships will be awarded in the name of Smt. Annapurna and Mr. Nageswara Rao Akkineni to out-going girl students of basic sciences, preferably coming from rural areas, @Rs.40,000/- every year.

VI. HOW TO APPLY

- Applications can be downloaded from GITAM website www.gitam.edu
- Applications can be obtained by post, from Principal, GITAM Institute of Science by sending a request on plain paper giving the candidate's name with complete mailing address, accompanied by DD for Rs.350/- drawn in favour of GITAM University payable at Visakhapatnam on any scheduled bank. Request by post will be accepted till 03rd April 2013.
- Candidates appearing for more than one test need to submit separate application along with the prescribed fee of Rs.300/- for each test.

Filled in applications along with attested copies of the following certificates and the prescribed fee of Rs.300/- should reach the Principal, GITAM Institute of Science, GITAM UNIVERSITY, Rushikonda, Visakhapatnam-530 045, A.P., India on or before **20.04.2013**

1. Date of Birth extract of SSC / ICSE / CBSE / Matriculation certificate
2. Degree / Provisional Certificate of the qualifying degree examination in the case of candidates appearing for PG programmes. Intermediate / 10 +2 certificate in the case of candidates appearing for UG programmes
3. Caste Certificate issued by appropriate authority for claiming reservation under SC/ST
4. Medical Certificate issued by appropriate authority for claiming under PH category

VII. HALL TICKETS

1. Hall tickets will be sent to candidates by post one week before the date of commencement of entrance test. In case of non-receipt of hall ticket in time, candidates are advised to contact the office of the Principal, GITAM Institute of Science, GITAM University at Tel No. (0891) 2840450/451/452 two days before the test date.
2. Hall ticket should be retained carefully as it has to be produced at the time of admission.
3. Hall tickets can also be downloaded from www.gitam.edu

VIII. TEST PROCEDURE

1. Candidates are advised to come to the examination hall at least half an hour before the commencement of the test.
2. Candidates will not be admitted into the examination hall without hall ticket or after the commencement of the test. They will not be allowed to leave the examination hall before the stipulated time.
3. Calculators, cell phones, books, papers, logarithm tables, slide-rule or any other calculating aids are not allowed into the examination hall.
4. Candidates should answer only on the answer sheet.
5. The Chief Superintendent of the test centre can take disciplinary action on candidates involved in indiscipline, malpractice, impersonation, etc., and the answer scripts of such candidates will not be valued.

IX. MERIT RANK

All candidates will be awarded GSAT - 2013 test-wise rank as per marks secured in the test appeared and they will be kept on the website.

X. FEE STRUCTURE

PROGRAMMES	FEE PARTICULARS		
	First semester* (`)	Second semester (`)	Per Annum (`)
POST-GRADUATE (2 years)			
M.Sc. Applied Mathematics	29,500	17,000	46,500
M.Sc. Physics/ Electronics Science	35,600	23,000	58,600
M.Sc. Analytical Chemistry/Organic Chemistry	47,800	35,000	82,800
M.Sc. Biochemistry/Biotechnology/Microbiology/ Food Science & Technology	47,800	35,000	82,800
M.Sc. Bioinformatics	47,800	35,000	82,800
M.Sc. Environmental Science	35,600	23,000	58,600
MCA (3 years)	64,100	55,000	1,19,100
UNDER-GRADUATE (3 years)			
BEM	17,600	12,000	29,600
BCA	23,700	18,000	41,700
INTEGRATED M.Sc. (5 years)			
Biotechnology	47,800	35,000	82,800

* to be paid at the time of admission

XI. RESERVATION OF SEATS

Admission to various courses of study shall be made on the basis of GSAT - 2013 rank and eligibility criteria subject to the rule of reservation as applicable to GITAM University.

XII. IMPORTANT DATES

- Last date of receipt of filled in applications 20.04.2013
- Test date 10.05.2013
- Counseling date 06.06.2013

For any information, please contact **Principal, GITAM Institute of Science (0891-2840450, 2840451, 2840452; principal_science@gitam.edu)**



GITAM UNIVERSITY

(Estd. u/s 3 of UGC Act, 1956)

Gandhinagar Campus, Rushikonda, Visakhapatnam-530045, A.P., India
0891-2840450/451/452 / 2790101, Telefax: 0891 – 2790032, website: www.gitam.edu

Accredited by NAAC with 'A' Grade

DUPLICATE

GSAT - 2013

GITAM Science Admission Test

UG & PG Programmes for the academic year 2013 - 14

HALL TICKET

Test Code:

Centre code:

Hall Ticket No (to be filled in by the office)

Name of the candidate
(in capital letters)

Name of the Parent/Guardian

Signature of the candidate

Recent Passport
size Photograph
attested by
Gazetted Officer



GITAM UNIVERSITY

(Estd. u/s 3 of UGC Act, 1956)

Gandhinagar Campus, Rushikonda, Visakhapatnam-530045, A.P., India
0891-2840450/451/452 / 2790101, Telefax: 0891 – 2790032, website: www.gitam.edu

Accredited by NAAC with 'A' Grade

ORIGINAL

GSAT - 2013

GITAM Science Admission Test

UG & PG Programmes for the academic year 2013 - 14

HALL TICKET

Test Code:

Centre code:

Hall Ticket No (to be filled in by the office)

Name of the candidate
(in capital letters)

Name of the Parent/Guardian

Signature of the candidate

Recent Passport
size Photograph
attested by
Gazetted Officer

Note: Candidate must fill and enclose this page along with the application.

INSTRUCTIONS TO FILL THE APPLICATION

- Please fill the application in English. Use CAPITAL LETTERS only.
- Please do not overwrite on the application form.
- The application should be filled properly and legibly by the candidate in his/her own handwriting in blue or black ball pen.
- A recent passport size photograph of good quality should only be affixed. Please do not staple or pin the photograph. Please do not sign or attest the photograph.

NOTE: *Candidates are required to apply separately for each test. Fee for each test is Rs.300/-*

1. **Test Code:** For example, if Bioinformatics 105

Subject	Code No.	Subject	Code No.	Subject	Code No.
Mathematics	101	Bioinformatics	105	MCA	109
Physics/Electronics	102	Environmental Science	106		
Chemistry	103	BEM/Integrated M.Sc.	107		
Life Sciences	104	BCA	108		

2. **Centre Code:** For example, if Visakhapatnam 215

Centre	Code No.	Centre	Code No.	Centre	Code No.	Centre	Code No.
Anantapur	201	Kurnool	209	Bengaluru	217	Nagpur	225
Bhimavaram	202	Ongole	210	Berhampur	218	Patna	226
Eluru	203	Rajahmundry	211	Bhubaneswar	219	Pune	227
Guntur	204	Srikakulam	212	Dhanbad	220	Raipur	228
Hyderabad	205	Tirupathi	213	Guwahati	221	Rayagada	229
Kadapa	206	Vijayawada	214	Jamshedpur	222	Varanasi	230
Kakinada	207	Visakhapatnam	215	Kota	223		
Khammam	208	Warangal	216	Kolkata	224		

3. **Name of the candidate** should be in 'CAPITAL LETTERS' only. Leave one blank space after each initial or word in the name. For example: for ADDANKI SAI CHAITANYA

Surname A D D A N K I

Name S A I C H A I T A N Y A

NOTE: Similar procedrue for items nos. 4 and 11 also

5. **Date of Birth:** For example, if date of birth is 28 February 1992

Day Month Year

2 8 0 2 1 9 9 2

6. **Sex:** Male - M, Female - F

For example, M
if male

8. **Reservation Code:** For example, if SC 301

SC - 301, ST - 302, PH - 303

9. Particulars of Qualifying Examination:

(a) Examination Code:

For PG Programmes: B.Sc. - 01 B.Sc. (vocational) - 04
B.Sc. (Ag) - 02 BEM - 05
B.Sc. (Home science) - 03 Others-06

For UG Programmes: Intermediate - 01
Intermediate (vocational) - 02
10 +2 (ICSE/CBSE) - 03

(b) Result Status Code: Appeared - 01 Completed - 02

(c) Group Subject Code in Qualifying Examination

For PG Programmes:

Agriculture	01	Computer Science	07	Mathematics	13
Biochemistry	02	Electronics	08	Medical Lab Technology	14
Bioinformatics	03	Environmental Science	09	Microbiology	15
Biotechnology	04	Food & Nutrition	10	Physics	16
Botany	05	Genetics	11	Zoology	17
Chemistry	06	Home Science	12	Others	18

For UG Programmes:

Biology	01	Physics	04
Chemistry	02	Others	05
Mathematics	03		

CHECK LIST

- ⌚ Duly filled in application form along with the prescribed fee of Rs.300/- (DD should be drawn in favour of Principal, GITAM Institute of Science, GITAM University and payable at Visakhapatnam)
- ⌚ Copy of the degree / provisional certificate of the qualifying examination in the case of candidates appearing for PG programmes.
Intermediate / 10 +2 certificate in the case of candidates appearing for UG programmes.
- ⌚ Copy of Date of Birth Certificate (SSC / ICSE/CBSE / Matriculation certificate)
- ⌚ Copy of Caste Certificate issued by appropriate authority for claiming reservation under SC/ST
- ⌚ Copy of Medical Certificate issued by appropriate authority for claiming under PH category