GITAM UNIVERSITY

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

Accredited by NAAC with "A" Grade

GSAT – 2012

{Entrance Tests for Admission to UG & PG Science Programmes}

ADMISSION TEST INFORMATION BROCHURE

GANDHI NAGAR CAMPUS, RUSHIKONDA
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A University Committed to Excellence

GITAM UNIVERSITY

VISION

To become a global leader in Higher Education

MISSION

To impart futuristic and comprehensive higher education of global standards with a high sense of discipline and social relevance in a serene and invigorating environment

OBJECTIVES

- To offer world class undergraduate, post-graduate and doctoral programmes of global relevance
- To provide an enriching, stimulating and rewarding experience from the practical world
- To promote and strengthen national and international linkages with the industry, academics and the society
- To carry out research and development activities useful to the industry and the society
- To develop a holistic personality with a positive and creative attitude among students and scholars

Unique features

_ A top class University on par with the best in the country
_ Highly qualified and committed faculty
_ Adjunct faculty from industry
_ Visiting faculty from reputed academic institutions and industry
_ Dedicated Training and Placement Centre
_ Collaborations with universities and industry majors
_ Near 100% placements with lucrative packages
_ Alumni in prominent positions all over the world
_ Group Personal Accident Insurance for Students

Campus facilities

_ Wi-fi campus with 1000 Mbps internet connectivity
_ World class Data Centre
_ Entrepreneur Development Cell
_ On campus training to students
_ Sophisticated language laboratory
_ State-of-the-art infrastructure
_ Separate hostel facilities for boys and girls
_ World class sports facilities
_ Highly active NCC, NSS units
_ Most preferred institute for campus placements

HIGHLIGHTS OF GITAM INSTITUTE OF SCIENCE

❖ Well qualified faculty with excellent exposure in leading laboratories of USA, France, Israel, Germany, South Africa, Taiwan etc.

❖ Periodical guest lectures by eminent scientists/professors from reputed universities, weekly faculty research colloquia

❖ Financial assistance in the form of merit fellowships and merit-cum-means scholarships

❖ State-of-the-art laboratories in every branch of study. Modern laboratories to undertake research in the emerging areas of nano science and technology, biotechnology, nuclear science applications, medicinal plants, tissue culture, environment and climate change etc. More than 100 research scholars are working for Ph.D.

❖ Periodic remedial classes for slow learners

❖ Personality development, communication skill classes and language laboratory

❖ Regular campus recruitments by top companies and research laboratories in addition to IT industry. These include Dr.Reddy's Laboratories, Indian Immunologicals Limited, Santha Biotech, Aurobindo Pharmaceuticals, Paraxell, Thompson India., Infosys, TCS, HCL, Yahoo, WIPRO, CSC, Cognigent Technologies, Packetware, etc.

❖ Alumni are occupying middle and top level positions in various organizations in India and abroad

❖ Good number of students selected in CSIR-UGC-NET/GATE/DST/DBT/ICMR

❖ Students undertake project works in national laboratories / industries with summer research fellowships offered by national funding agencies such as INSA etc.

❖ Research savvy faculty active in carrying out projects funded by UGC, DST, DAE, CSIR and industry majors and research blended teaching in regular classes for exposure to contemporary developments in science.

❖ Students exposure to National, International Conferences and Workshops sponsored by external funding agencies DST, DBT, CSIR, DAE, MoES, ICMR, INSA, etc., and industry majors.

❖ Student colloquia and biannual science expos to show case innate innovative ideas of students

❖ MoUs with industry majors like TCS, HCL, Dr.Reddy's Laboratories for training and placement

❖ MoUs with University of Glasgow, SUNY-B, MoU with Bhabha Atomic Research Centre (BARC), etc., to take up faculty research and student projects.

❖ Active student mentor-mentee system to monitor the academic, emotional and other aspects to improve confidence levels of students

❖ Knowledge Resource Centre with latest collection of books and excellent e-learning resources

PROGRAMMES OFFERED IN GITAM INSTITUTE OF SCIENCE

Undergraduate Programmes:

- Computer Applications (BCA)
- Environmental Management (BEM)

Postgraduate Programmes (M.Sc.):

- Analytical Chemistry
- Applied Mathematics
- Biochemistry
- Bioinformatics
- Biotechnology
- Electronics Science (Networking and Embedded Systems)
- Environmental Science
- Food Science & Technology
- Microbiology
- Organic Chemistry
- Physics (Nuclear /Space /Material /Nano)

- **MCA (Master of Computer Applications)**

Integrated Five year M.Sc. Programme:
 (with an option to secure B.Sc. at the end of 3rd year and B.Sc. (Hons.) at the end of 4th year)

- Biotechnology

Research Programmes (M.Phil. & Ph.D.):

- Applied Mathematics
- Biochemistry
- Bioinformatics
- Biotechnology
- Chemistry
- Computer Science
- Electronics
- Environmental Science
- Microbiology
- Physics

ADMISSION INFORMATION BROCHURE (2012-13)

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 - 2012** 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 2012 are eligible.

The GSAT - 2012 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 M.Sc. Electronics Science	102	Physics/ Electronics	60	60	1 hour
M.Sc Analytical Chemistry M.Sc. Organic Chemistry	103	Chemistry	60	60	1 hour
M.Sc. Biochemistry M.Sc. Biotechnology M.Sc. Microbiology M.Sc. Food Science & Technology	104	Life Sciences	60	60	1 hour
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 subject
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
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 & Nutrition, Genetics, Home Science, Mathematics, Medical Lab Technology, Microbiology, Physics, Zoology
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

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 - 2012** 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 2012 are eligible.

The GSAT - 2012 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-2012 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 - 2012** 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 2012 are 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):

Srikakulam, Visakhapatnam, Rajahmundry, Kakinada, Eluru, Bhimavaram, Vijayawada, Guntur, Ongole, Tirupathi, Khammam, Warangal, Hyderabad, Kurnool, Anantapur

Rayagada, Berhampur, Bhubaneswar, Guwahati, Raipur, Kota

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

a) 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.

b) 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.

VI. HOW TO APPLY

- Applications can be downloaded from GITAM website www.gitam.edu
- 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 **15.04.2012**

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 - 2012 test-wise rank as per marks secured in the test appeared and they will be kept on the website.

X. RESERVATION OF SEATS

Admission to various courses of study shall be made on the basis of GSAT - 2012 rank and eligibility criteria subject to the rule of reservation as applicable to GITAM University.

XI. IMPORTANT DATES

- Issue/ download of applications   05.11.2011
- Last date of receipt of filled in applications   15.04.2012
- Test date   04.05.2012

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

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