

GAT-B (GRADUATE APTITUDE TEST) (FOR M.Sc AND B.Sc STUDENTS)

Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India initiated Post Graduate Programmes in Biotechnology, since 1985, as a major Human Resource Development Programme to hone trained manpower in General Biotechnology and specialized areas including Medical, Agriculture, Computational Biology, Food, Pharmaceuticals, Marine, Veterinary Science and Industrial Biotechnology. Currently, DBT is supporting Post Graduate programmes in Biotechnology and allied areas across universities and institutions in India. DBT supported Post Graduate programmes include M.Sc. Biotechnology and allied areas, M.Tech. Biotechnology and allied areas, M.Sc. Agricultural Biotechnology and M.V.Sc. Animal Biotechnology.

Since the year 2020, the Department of Biotechnology (DBT) has entrusted Regional Centre for Biotechnology (RCB), Faridabad as the Nodal Implementation Agency for management of key human resource development programmes through DBT-HRD Project & Management Unit (DBT HRD PMU). RCB, Faridabad on behalf of DBT is managing DBT supported Post Graduate programmes in Biotechnology & allied areas and conduct of Graduate Aptitude Test-Biotechnology (GAT-B).

Graduate Aptitude Test - Biotechnology (GAT-B)

Graduate Aptitude Test-Biotechnology (GAT-B), is an all India Entrance Examination to test the eligibility of bonafide Indian nationals for admissions to DBT supported Post Graduate programmes in Biotechnology and allied areas, at participating institutions/universities.

GAT-B EXAMINATION DETAILS

CONDUCTED BY	:	RCB FARIDABAD EACH YEAR [CEEBS]
WHEN	:	JUNE 30TH
PURPOSE	:	M.Tech, M.Sc [BT/allied subjects/ M.VSc/ M.Sc Agri [BT]
SECTIONS IN PAPER	:	A, B
TOTAL QUESTIONS	:	160
QUESTIONS TO BE SOLVED	:	100
TOTAL MARKS	:	240
QUESTION TYPES	:	MCQ
MODE OF EXAM	:	ONLINE [CBT]
MEDIUM	:	ENGLISH
TIME	:	3 HOURS [180 Minutes]

PAPER PATTERN OF GAT-B EXAMINATION

EXAM	SECTION	TOTAL QUESTIONS	QUESTIONS TO BE SOLVED	MARKS	NEGATIVE MARKING
BT	A	60 MCQ	60 [1MARK]	60	$\frac{1}{2} = 0.5$
	B	100 MCQ	60 [3MARKS]	180	$\frac{1}{3} = 1$
TOTAL QUESTIONS SOLVED			120	240	

AVERAGE CUTOFF MARKS AS PER PREVIOUS YEAR EXAMS

Category	CUT OFF MARKS
General/ EWS/ OBC	110-130 MARKS OUT OF 240 OR 48 TO 52 %
SC/ST	60-70 MARKS OUT OF 240 OR 25 TO 30 %

GAT-B PAPER CONTENT AND MARK DISTRIBUTION

EXAM	SECTION	TOTAL QUESTIONS [all compulsory]	TOPICS IN SYLLABUS			
			BIOLOGY	CHE	MATHS	PHY
BT	A	60 MCQ	>60%	15-17%	10-15%	8-10 %
	B	100 MCQ	QUESTIONS FROM BASIC LIFE SCIENCES (& FEW FROM ALLIED AREAS) DETAILED ANALYSIS AS FOLLOWS			

Sr.No.	Topic	Topic wise Weightage
1	Biochemistry	20-25%
2	Cell biology	10-15%
3	Mol. Bio	10-15%
4	Immunology	7-10%
5	Dev. Bio	<5%
6	Plant Physiology	<5%
7	Animal Physiology	<5%
8	Genetics	> or = 12%
9	Biodiversity & Tax	<2%
10	Ecology	<2%
11	Evolution and A B	<2%
12	TECHNIQUES- RDT, IT, BIOINFORMATICS, PTC, ATC,	
13	IMMUNOTECHNIQUES, MOL TECHNIQUES AND ALL, BIOPHYSICAL TECHNIQUES etc	20-25%
14	MICROBIOLOGY	10-15%

STUDENTS SUPPORT BY INSTITUTES

Studentship Support : All students admitted under the DBT-Supported programmes of any participating institution will be paid the stipend as under:

- | | | |
|--|---|-----------------------|
| a) M.Sc. in Biotechnology & Allied Areas | - | Rs. 5000/- per month |
| b) M.Sc. in Agricultural Biotechnology | - | Rs. 7500/- per month |
| c) M.Tech. / M.V. Sc. programmes | - | Rs. 12000/- per month |