

GATE – LIFE SCIENCE EXAM PATTERN

TIME	:	3 HOURS (180 Minutes)
MAXIMUM MARKS	:	100
TOTAL QUESTIONS	:	65
NO. OF Q. NEED TO BE SOLVED	:	65
QUESTION TYPES	:	MCQ & NAT
MODE OF EXAM	:	ONLINE
NEGATIVE MARKING	:	There will be negative marking
MEDIUM	:	ENGLISH
SECTIONS IN PAPER	:	III SECTIONS

Section	Types Of Questions	Number Of Questions	Sub-Total (Marks)
GENERAL APTITUDE	1 - Mark Questions	5	5
	2- Marks Question	5	10
H-CHEMISTRY Section (Compulsory)	1 - Mark Questions	5	5
	2- Marks Question	10	20
SECTIONS I TO M (Need To Choose Any Two Sections)	1 - Mark Questions	10	10+10
	2- Marks Question	10	20+20

- **The GATE** examination consists of single paper of 3-Hours duration that contains 65 questions carrying maximum of 100 marks.
- There are two types of questions are asked: Multiple Choice Questions [MCQ], & Numerical Answer Type [NAT].
- This paper consists of 3 sections :I. Chemistry [Compulsory]. II. Biochemistry, Botany, Microbiology, Zoology& Food Technology. III. General Aptitude

Note: Chemistry & General Aptitude (GA) are compulsory. The candidate can choose any two out of the remaining subjects of Biochemistry, Botany, Microbiology, Zoology& Food Technology.

• **Chemistry Section :** In this section 15 questions carrying 25 marks. In this section all questions are compulsory. Q.1 To Q.5 Carry 1-Mark for each [Sub-Total = 5 Marks] and Q.6 To Q.15 Carry 3-Marks for each [Sub-Total = 20 Marks]. 5+20 = 25 Marks.

• **Biochemistry, Botany, Microbiology & Zoology [XL Section I To M]:** Need to be chosen any two subject from given list, each subject contains 20 questions carrying 30 marks. For E.g. Biochemistry has 20 questions and Botany also has 20 questions, so in total 40 Questions. In this section Q.1ToQ.10 carry 1-marks for each question [Sub-Total=10], and Q.11 To Q.20 carry 2-marks for each question [Sub-Total=20]. 10+20=30 marks. So Subject I & Subject II :30+30 = 60 Marks.

• **General Aptitude:** In this section consists 10 questions carrying 15 marks, which are compulsory. Q.1 To Q.5 carry 1- mark for each[Sub-Total=5 Marks] and Q.6 To Q.10 carry 2- marks for each[Sub-Total=10 Marks] 5+10=15 Marks

• **There will be negative marking:**

- 1 Marks MCQ – 1/3 marks will be deducted for every wrong answer.
- 2 Marks MCQ – 2/3 marks will be deducted for every wrong answer.
- There is no negative marking for Numerical Answer Type (NAT) question.

• **Exam Mode :** Online Computer Based Test (CBT). At the end of 3 hours the computer is closed automatically.

ELIGIBILITY CRITERIA FOR CSIR NET BIOTECH

AGE LIMIT	There is no minimum or maximum age limit prescribed to appear for the GATE exam.
Education Qualification	M.Sc. Or Equivalent Degree

OPTIONS AVAILABLE AFTER GATE BIOTECHNOLOGY (Graduate Aptitude Test In Engineering)

- The purpose of GATE exam is to provide admission in Masters & Direct Doctoral Courses in Engineering/Technology.
- You can apply a job for research and development.
- You can go forward for a PhD study in Biotech in India or abroad.
- Pursue higher studies in Biotech and Life Sciences.
- You can apply to the government sector.

• *This exam is held by IIT* • *This Exam held in February*

TOPICWISE MARK DISTRIBUTION AS PER PRVIOUS YEAR QUESTION PAPER ANALYSIS

Sr. No	Topic	GATE XL	GATE BT
1	Biochemistry	30%	20-30%
2	Cell biology	7-8%	10%
3	Mol. Bio	7-8%	10%
4	Immunology	7-8%	10%
5	Dev. Bio	5%	2-3%
6	Plant Physiology	10%	2-3%
7	Animal Physiology	10%	2-3%
8	Genetics	10%	15%
9	Biodiversity & Tax	5%	2-3%
10	Ecology	2-3%	2-3%
11	Evolution and A B	2-3%	2-3%
12	Applied biology and	15%	20-25%
13	Methods in biology		

AVERAGE CUTOFF MARKS AS PER PRVIOUS YEAR EXAMS [CATEGORY WISE]

CATEGORY	GATE XL/BT [AVERAGE CUTOFF]
General/ EWS/ OBC	28-35%
SC/ST	20-25%

