IIMB UG Mini Mock Test 2027

20 questions, answer key and mock analysis sheet

Real test pattern at a glance

Exam	IIMB UG Admission Test (B.Sc. Hons programmes)
Scheduled date	15 November 2026 (confirm on ug.iimb.ac.in)
Mode	Computer-based test
Questions and time	60 MCQs in 135 minutes
Sections	Quant and Data Interpretation: 30 | Logical Reasoning: 15 | Verbal Ability and Reading Comprehension: 15
Marking	+1 for a correct answer, -1/3 for a wrong answer
Syllabus base	NCERT Class X to XII, with application-based questions

Confirm the final pattern on ug.iimb.ac.in. IIM Bangalore is the final authority. This mini mock follows the real mix: half Quant, a quarter each for Logical Reasoning and Verbal.

How to take this mini mock

Set a timer for 45 minutes. That matches the real pace of about 2.25 minutes per question. Do not use a calculator. Mark your answers on paper, then check them on the last pages.
Score = correct answers minus one-third of wrong answers. If you can remove even one option, a guess has a positive expected value, so guess smartly instead of leaving easy eliminations blank.

Section A: Quantitative Ability and Data Interpretation

Q1. A shopkeeper marks an item 25% above its cost price and then gives a 10% discount. What is his profit percentage?

(a) 10%
(b) 12.5%
(c) 15%
(d) 17.5%

Q2. A 150 m long train crosses a pole in 10 seconds. What is its speed in km/h?

(a) 36
(b) 45
(c) 54
(d) 60

Q3. If x + 1/x = 3, what is the value of x^2 + 1/x^2?

(a) 5
(b) 7
(c) 9
(d) 11

Q4. What is the sum of the first 20 terms of the arithmetic progression 3, 7, 11, ...?

(a) 800
(b) 820
(c) 840
(d) 860

Q5. Two fair dice are rolled together. What is the probability that the sum is 8?

(a) 1/6
(b) 7/36
(c) 5/36
(d) 1/9

Q6. The mean of five numbers is 20. One number, 30, is removed. What is the mean of the remaining four?

(a) 15
(b) 17.5
(c) 18
(d) 20

Q7. What is the value of log base 2 of 32 plus log base 3 of 9?

(a) 5
(b) 6
(c) 7
(d) 8

Q8. A can finish a job in 12 days and B in 18 days. How long will they take working together?

(a) 6 days
(b) 7.2 days
(c) 8 days
(d) 9 days

Q9. A product sold 120 units in Q1, 150 in Q2, 180 in Q3 and 150 in Q4. What is the percentage increase in sales from Q1 to Q3?

(a) 25%
(b) 40%
(c) 50%
(d) 60%

Q10. What is the derivative of x^3 + 2x at x = 1?

(a) 3
(b) 4
(c) 5
(d) 6

Section B: Logical Reasoning

Q11. Find the next number: 2, 6, 12, 20, 30, ?

(a) 40
(b) 42
(c) 44
(d) 46

Q12. In a code, CAT is written as ECV (each letter moves two places ahead). How is DOG written?

(a) EQH
(b) FPI
(c) FQI
(d) DQI

Q13. Pointing to a man, Riya says, 'He is the son of my mother's only brother.' How is the man related to Riya?

(a) Brother
(b) Uncle
(c) Nephew
(d) Cousin

Q14. Statements: All pens are books. Some books are bags. Conclusions: I. Some pens are bags. II. Some bags are books. Which follows?

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Q15. Ravi walks 5 km north, turns right and walks 3 km, then turns right again and walks 5 km. Where is he from his starting point?

(a) 3 km west
(b) 3 km east
(c) 5 km east
(d) 13 km north

Section C: Verbal Ability and Reading Comprehension

Q16. Choose the word closest in meaning to 'meticulous'.

(a) Careless
(b) Hasty
(c) Thorough
(d) Rude

Q17. Choose the grammatically correct sentence.

(a) The number of applicants have increased this year.
(b) The number of applicants has increased this year.
(c) The numbers of applicant has increased this year.
(d) The number of applicant have increased this year.

Q18. Fill in the blank: She is very good ____ mathematics.

(a) in
(b) on
(c) at
(d) for

Read the passage and answer Q19 and Q20.

Many students believe that more hours of study always lead to better results. Research on learning suggests otherwise. Short, focused sessions with regular breaks help the brain retain information far better than one long, tiring session. Students who review material a day after learning it also remember more than those who wait until the exam. The key, then, is not how long you study but how smartly you plan your time.

Q19. Which option best states the main idea of the passage?

(a) Long study hours guarantee success
(b) Smart planning and focused sessions beat long hours
(c) Breaks harm memory
(d) Exams matter more than learning

Q20. According to the passage, reviewing material a day after learning it:

(a) Wastes study time
(b) Helps students remember more
(c) Matters only before exams
(d) Replaces the need for breaks

Answer key and explanations

Q	Ans	Explanation
1	(b) 12.5%	Selling price = 1.25 x 0.9 = 1.125 times the cost price, so the profit is 12.5%.
2	(c) 54	Speed = 150/10 = 15 m/s. Multiply by 18/5 to get 54 km/h.
3	(b) 7	Square both sides: x^2 + 2 + 1/x^2 = 9, so x^2 + 1/x^2 = 7.
4	(b) 820	S = (20/2) x [2(3) + 19(4)] = 10 x 82 = 820.
5	(c) 5/36	The favourable outcomes are (2,6), (3,5), (4,4), (5,3) and (6,2). That gives 5/36.
6	(b) 17.5	Total = 100. After removing 30, the total is 70. Then 70/4 = 17.5.
7	(c) 7	log2(32) = 5 and log3(9) = 2, so the sum is 7.
8	(b) 7.2 days	Combined rate = 1/12 + 1/18 = 5/36 per day, so the time is 36/5 = 7.2 days.
9	(c) 50%	Increase = 60 units on a base of 120, which is 50%.
10	(c) 5	The derivative is 3x^2 + 2. At x = 1 it equals 5.
11	(b) 42	The differences are 4, 6, 8, 10, so the next difference is 12. That gives 42.
12	(c) FQI	D becomes F, O becomes Q and G becomes I, so DOG becomes FQI.
13	(d) Cousin	Her mother's brother is her maternal uncle, and his son is her cousin.
14	(b) Only II	'Some books are bags' directly gives 'Some bags are books'. Nothing links pens to bags.
15	(b) 3 km east	He ends 3 km east of the start. The two 5 km legs cancel out.
16	(c) Thorough	Meticulous means showing great attention to detail, which is closest to thorough.
17	(b) The number of applicants has increased this year.	'The number' is singular, so it takes 'has'. 'Applicants' stays plural.
18	(c) at	The standard phrase is 'good at'.
19	(b) Smart planning and focused sessions beat long hours	The last sentence says the key is smart planning, not long hours.
20	(b) Helps students remember more	The passage says such students remember more than those who wait until the exam.

Score and mock analysis sheet

Score = correct - (wrong / 3). Example: 14 correct and 3 wrong gives 14 - 1 = 13 out of 20. Use these bands as a practice guide, not an official cut-off: 15 or more is strong, 10 to 14 is on track, below 10 needs more revision.

Section	Attempted	Correct	Wrong	Time used (min)	Main error type
Quant and DI (Q1-10)					
Logical Reasoning (Q11-15)					
Verbal and RC (Q16-20)					
Total					

Tag every wrong answer

Concept gap: you did not know the idea. Revise the NCERT chapter.
Careless error: you knew it but slipped. Slow down on checks.
Time pressure: you rushed or guessed. Practise skipping early.
Trap option: a close option fooled you. Re-read the question stem.

Prepared by CatMock (www.catmock.com). Questions are original practice items, not actual IIMB papers.