DBJET PRACTICE QUESTION BANK

MODULE 01 | QUANTITATIVE APTITUDE
NUMERICAL AND MATHEMATICAL ABILITY
50 MULTIPLE-CHOICE QUESTIONS • ANSWER KEY AND BRIEF EXPLANATIONS INCLUDED

INSTRUCTIONS: CHOOSE THE MOST APPROPRIATE OPTION. ATTEMPT ALL QUESTIONS

DBJET EXAMINATION – CANDIDATE INSTRUCTIONS

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE ATTENDING THE DUTYBELL JOB ENTRY TEST (DBJET).

1. BEFORE STARTING THE EXAMINATION

- ENSURE YOU HAVE A STABLE INTERNET CONNECTION.
- USE A LAPTOP OR DESKTOP COMPUTER, PREFERABLY WITH AN UPDATED BROWSER.
- KEEP YOUR LOGIN CREDENTIALS AND EXAMINATION DETAILS READY.
- SIT IN A QUIET ENVIRONMENT WITHOUT INTERRUPTIONS.
- KEEP ROUGH PAPER AND A PEN AVAILABLE FOR CALCULATIONS, IF PERMITTED.
- READ ALL EXAMINATION INSTRUCTIONS DISPLAYED ON THE SCREEN BEFORE STARTING.

2. EXAMINATION GUIDELINES

- ATTEMPT ALL QUESTIONS TO THE BEST OF YOUR ABILITY.
- READ EACH QUESTION CAREFULLY BEFORE SELECTING AN ANSWER.
- SELECT THE MOST APPROPRIATE OPTION FROM THE AVAILABLE CHOICES.
- MANAGE YOUR TIME EFFECTIVELY AND AVOID SPENDING TOO LONG ON ONE QUESTION.
- DO NOT REFRESH THE BROWSER, CLOSE THE EXAMINATION WINDOW, OR NAVIGATE AWAY DURING THE EXAMINATION.
- DO NOT USE EXTERNAL WEBSITES, SEARCH ENGINES, AI TOOLS, OR UNAUTHORISED ASSISTANCE.
- DO NOT SHARE EXAMINATION QUESTIONS OR ANSWERS WITH OTHER CANDIDATES.
- FOLLOW THE EXAMINATION PLATFORM'S INSTRUCTIONS REGARDING NAVIGATION AND SUBMISSION.

3. AFTER COMPLETING THE EXAMINATION

- REVIEW YOUR ANSWERS, IF THE PLATFORM ALLOWS IT.
- SUBMIT YOUR EXAMINATION BEFORE THE ALLOTTED TIME EXPIRES.
- WAIT FOR THE SUBMISSION CONFIRMATION.
- YOUR PERFORMANCE WILL BE EVALUATED ACCORDING TO THE APPLICABLE ASSESSMENT CRITERIA.
- FOLLOW THE INSTRUCTIONS PROVIDED FOR ACCESSING YOUR SCORECARD AND PERFORMANCE REPORT.

4. IMPORTANT CANDIDATE NOTICE

- THE PRACTICE PDF IS INTENDED FOR PREPARATION AND FAMILIARISATION.
- PRACTICE QUESTIONS ARE NOT NECESSARILY THE SAME AS THE ACTUAL EXAMINATION QUESTIONS.
- YOUR DBJET SCORE REFLECTS YOUR PERFORMANCE IN THE ASSESSMENT AND SHOULD BE CONSIDERED ALONGSIDE YOUR QUALIFICATIONS, EXPERIENCE, SKILLS AND INTERVIEW PERFORMANCE.
- MAINTAIN EXAMINATION INTEGRITY AND FOLLOW ALL APPLICABLE RULES.
- BEST WISHES FOR YOUR DBJET EXAMINATION.
- PREPARE CONFIDENTLY. ATTEMPT HONESTLY. DEMONSTRATE YOUR POTENTIAL.

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DBJET – MODULE 01: QUANTITATIVE APTITUDE
50 QUESTIONS WITH ANSWERS AND EXPLANATIONS

TOPICS COVERED:

- Number System
- Percentage
- Ratio & Proportion
- Profit & Loss
- Average
- Time & Work
- Time & Distance
- Data Interpretation
- Basic Mathematics

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PART A – PRACTICE QUESTIONS

Questions 1 to 25 of 50

1. What is the value of 25 + 36?
A. 51 B. 61
C. 71 D. 59

2. What is the smallest prime number?
A. 0 B. 1
C. 2 D. 3

3. Which of these numbers is divisible by 5?
A. 42 B. 63
C. 75 D. 88

4. What is 8 × 7?
A. 54 B. 56
C. 64 D. 48

5. What is the HCF of 12 and 18?
A. 3 B. 6
C. 9 D. 12

6. What is 10% of 200?
A. 10 B. 20
C. 30 D. 40

7. A shirt costs ₹500. What is its price after a 10% discount?
A. ₹400 B. ₹450
C. ₹475 D. ₹490

8. A student scores 40 marks out of 50. What percentage is this?
A. 60% B. 70%
C. 80% D. 90%

9. The price of an item rises from ₹100 to ₹120. What is the percentage increase?
A. 10% B. 15%
C. 20% D. 25%

10. What is 25% of 80?
A. 10 B. 15
C. 20 D. 25

11. The ratio of boys to girls is 2:3. If there are 10 boys, how many girls are there?
A. 12 B. 15
C. 18 D. 20

12. Simplify the ratio 10:15.
A. 1:2 B. 2:3
C. 3:4 D. 5:6

13. Divide ₹60 in the ratio 1:2. What is the larger share?
A. ₹20 B. ₹30
C. ₹40 D. ₹50

14. If 4 pens cost ₹20, what is the cost of 6 pens at the same rate?
A. ₹25 B. ₹30
C. ₹35 D. ₹40

15. The ratio of 5 metres to 200 centimetres is:
A. 1:2 B. 2:1
C. 5:2 D. 1:5

16. An item is bought for ₹100 and sold for ₹120. What is the profit?
A. ₹10 B. ₹15
C. ₹20 D. ₹25

17. An item bought for ₹200 is sold for ₹180. What is the loss?
A. ₹10 B. ₹20
C. ₹30 D. ₹40

18. A book costs ₹80 and is sold for ₹100. What is the profit percentage?
A. 20% B. 25%
C. 30% D. 40%

19. A toy is bought for ₹500 and sold at a 10% loss. What is its selling price?
A. ₹400 B. ₹450
C. ₹475 D. ₹550

20. A shopkeeper buys 5 notebooks for ₹50. What is the cost price of one notebook?
A. ₹5 B. ₹10
C. ₹15 D. ₹20

21. Find the average of 10, 20 and 30.
A. 15 B. 20
C. 25 D. 30

22. The average of 4 numbers is 5. What is their total?
A. 9 B. 15
C. 20 D. 25

23. A person scores 60, 70 and 80 in three tests. What is the average score?
A. 65 B. 70
C. 75 D. 80

24. The average age of 5 people is 20 years. What is their total age?
A. 80 years B. 90 years
C. 100 years D. 120 years

25. What is the average of 12 and 18?
A. 12 B. 15
C. 18 D. 30

PART A – PRACTICE QUESTIONS

Questions 26 to 50 of 50

26. A can complete a job in 5 days. How much of the job does A complete in one day?
A. 1/2 B. 1/3
C. 1/4 D. 1/5

27. A completes a task in 10 days. How many days will the same task take at twice the working speed?
A. 2 days B. 5 days
C. 10 days D. 20 days

28. If 4 workers finish a job in 6 days, how many worker-days are needed?
A. 10 B. 18
C. 24 D. 30

29. A tap fills a tank in 4 hours. What fraction of the tank does it fill in 1 hour?
A. 1/2 B. 1/3
C. 1/4 D. 1/5

30. A person can paint a wall in 8 hours. How long will two equally fast people take together?
A. 2 hours B. 4 hours
C. 6 hours D. 8 hours

31. A car travels 120 km in 2 hours. What is its average speed?
A. 40 km/h B. 50 km/h
C. 60 km/h D. 70 km/h

32. A bus travels at 40 km/h for 3 hours. How far does it travel?
A. 80 km B. 100 km
C. 120 km D. 140 km

33. How long will it take to travel 150 km at 50 km/h?
A. 2 hours B. 3 hours
C. 4 hours D. 5 hours

34. A person walks 5 km in 1 hour. How far will the person walk in 4 hours at the same speed?
A. 10 km B. 15 km
C. 20 km D. 25 km

35. Convert 2 hours into minutes.
A. 60 B. 90
C. 120 D. 180

36. A shop sold 10 pens on Monday and 15 pens on Tuesday. How many pens were sold in total?
A. 20 B. 25
C. 30 D. 35

37. A class has 20 students. 12 are girls. How many are boys?
A. 6 B. 8
C. 10 D. 12

38. A store sold 30 units in January and 40 units in February. How many more units were sold in February?
A. 5 B. 10
C. 15 D. 20

39. A company has 100 employees. If 60 are men, how many are women?
A. 30 B. 40
C. 50 D. 60

40. Sales for three days were ₹100, ₹150 and ₹200. What were the total sales?
A. ₹350 B. ₹400
C. ₹450 D. ₹500

41. What is 15 + 9 ÷ 3?
A. 8 B. 18
C. 24 D. 12

42. What is 3^2?
A. 6 B. 8
C. 9 D. 12

43. How many centimetres are there in 1 metre?
A. 10 B. 50
C. 100 D. 1,000

44. What is the next number: 2, 4, 6, 8, __?
A. 9 B. 10
C. 11 D. 12

45. What is half of 3/4?
A. 1/4 B. 3/8
C. 1/2 D. 2/3

46. A number is increased by 5 and becomes 15. What was the original number?
A. 5 B. 10
C. 15 D. 20

47. If one dozen eggs costs ₹60, what is the cost of 6 eggs?
A. ₹15 B. ₹20
C. ₹30 D. ₹40

48. What is 0.5 expressed as a percentage?
A. 5% B. 25%
C. 50% D. 100%

49. A train leaves at 9:00 AM and arrives at 11:00 AM. How long is the journey?
A. 1 hour B. 2 hours
C. 3 hours D. 4 hours

50. What is the perimeter of a square with each side 5 cm?
A. 10 cm B. 15 cm
C. 20 cm D. 25 cm

PART B – ANSWER KEY

Correct answers for all 50 questions

Q. No.	Correct answer	Q. No.	Correct answer	Q. No.	Correct answer
1	B – 61	18	B – 25%	35	C – 120
2	C – 2	19	B – ₹450	36	B – 25
3	C – 75	20	B – ₹10	37	B – 8
4	B – 56	21	B – 20	38	B – 10
5	B – 6	22	C – 20	39	B – 40
6	B – 20	23	B – 70	40	C – ₹450
7	B – ₹450	24	C – 100 years	41	B – 18
8	C – 80%	25	B – 15	42	C – 9
9	C – 20%	26	D – 1/5	43	C – 100
10	C – 20	27	B – 5 days	44	B – 10
11	B – 15	28	C – 24	45	B – 3/8
12	B – 2:3	29	C – 1/4	46	B – 10
13	C – ₹40	30	B – 4 hours	47	C – ₹30
14	B – ₹30	31	C – 60 km/h	48	C – 50%
15	C – 5:2	32	C – 120 km	49	B – 2 hours
16	C – ₹20	33	B – 3 hours	50	C – 20 cm
17	B – ₹20	34	C – 20 km		

PART C – ANSWERS WITH EXPLANATIONS

Explanations 1 to 25

1. Answer: B – 61
25 + 36 = 61.

2. Answer: C – 2
2 is the smallest prime number. It has exactly two factors: 1 and 2.

3. Answer: C – 75
A number ending in 0 or 5 is divisible by 5. Since 75 ends in 5, it is divisible by 5.

4. Answer: B – 56
8 × 7 = 56.

5. Answer: B – 6
Factors of 12 are 1, 2, 3, 4, 6 and 12. Factors of 18 are 1, 2, 3, 6, 9 and 18. The highest common factor is 6.

6. Answer: B – 20
10% of 200 = (10 ÷ 100) × 200 = 20.

7. Answer: B – ₹450
10% of ₹500 = ₹50. Discounted price = ₹500 – ₹50 = ₹450.

8. Answer: C – 80%
Percentage = (Marks obtained ÷ Total marks) × 100 = (40 ÷ 50) × 100 = 80%.

9. Answer: C – 20%
Increase = ₹120 – ₹100 = ₹20. Percentage increase = (20 ÷ 100) × 100 = 20%.

10. Answer: C – 20
25% means one-fourth. 80 ÷ 4 = 20.

11. Answer: B – 15
Ratio of boys to girls = 2:3. If 2 parts = 10 boys, then 1 part = 5. Girls = 3 × 5 = 15.

12. Answer: B – 2:3
Divide both numbers by 5. 10 ÷ 5 = 2 and 15 ÷ 5 = 3. The simplified ratio is 2:3.

13. Answer: C – ₹40
Total ratio parts = 1 + 2 = 3. Value of one part = ₹60 ÷ 3 = ₹20. Larger share = 2 × ₹20 = ₹40.

14. Answer: B – ₹30
Cost of one pen = ₹20 ÷ 4 = ₹5. Cost of 6 pens = 6 × ₹5 = ₹30.

15. Answer: C – 5:2
5 metres = 500 centimetres. Ratio = 500:200. Divide both by 100 = 5:2.

16. Answer: C – ₹20
Profit = Selling Price – Cost Price = ₹120 – ₹100 = ₹20.

17. Answer: B – ₹20
Loss = Cost Price – Selling Price = ₹200 – ₹180 = ₹20.

18. Answer: B – 25%
Profit = ₹100 – ₹80 = ₹20. Profit percentage = (20 ÷ 80) × 100 = 25%.

19. Answer: B – ₹450
10% loss on ₹500 = ₹50. Selling price = ₹500 – ₹50 = ₹450.

20. Answer: B – ₹10
Cost of one notebook = ₹50 ÷ 5 = ₹10.

21. Answer: B – 20
Average = Sum of numbers ÷ Number of values = (10 + 20 + 30) ÷ 3 = 60 ÷ 3 = 20.

22. Answer: C – 20
Total = Average × Number of values = 5 × 4 = 20.

23. Answer: B – 70
Average = (60 + 70 + 80) ÷ 3 = 210 ÷ 3 = 70.

24. Answer: C – 100 years
Total age = Average age × Number of people = 20 × 5 = 100 years.

25. Answer: B – 15
Average = (12 + 18) ÷ 2 = 30 ÷ 2 = 15.

PART C – ANSWERS WITH EASY EXPLANATIONS

Explanations 26 to 50

26. Answer: D – 1/5
A completes the full work in 5 days. Work completed in one day = 1/5.

27. Answer: B – 5 days
If the working speed becomes double, the time becomes half. 10 ÷ 2 = 5 days.

28. Answer: C – 24
Worker-days = Number of workers × Number of days = 4 × 6 = 24 worker-days.

29. Answer: C – 1/4
The tap fills the full tank in 4 hours. Work completed in one hour = 1/4 of the tank.

30. Answer: B – 4 hours
One person takes 8 hours. Two equally fast people take half the time. 8 ÷ 2 = 4 hours.

31. Answer: C – 60 km/h
Speed = Distance ÷ Time = 120 ÷ 2 = 60 km/h.

32. Answer: C – 120 km
Distance = Speed × Time = 40 × 3 = 120 km.

33. Answer: B – 3 hours
Time = Distance ÷ Speed = 150 ÷ 50 = 3 hours.

34. Answer: C – 20 km
Distance = Speed × Time = 5 × 4 = 20 km.

35. Answer: C – 120 minutes
1 hour = 60 minutes. 2 hours = 2 × 60 = 120 minutes.

36. Answer: B – 25
Total pens sold = 10 + 15 = 25 pens.

37. Answer: B – 8
Total students = 20. Girls = 12. Boys = 20 – 12 = 8.

38. Answer: B – 10
February sales = 40 units. January sales = 30 units. Difference = 40 – 30 = 10 units.

39. Answer: B – 40
Total employees = 100. Men = 60. Women = 100 – 60 = 40.

40. Answer: C – ₹450
Total sales = ₹100 + ₹150 + ₹200 = ₹450.

41. Answer: B – 18
Division is performed before addition. 9 ÷ 3 = 3. 15 + 3 = 18.

42. Answer: C – 9
3^2 means 3 multiplied by itself. 3 × 3 = 9.

43. Answer: C – 100
1 metre = 100 centimetres.

44. Answer: B – 10
The number increases by 2 each time: 2, 4, 6, 8, 10.

45. Answer: B – 3/8
Half of 3/4 means 3/4 ÷ 2 = 3/4 × 1/2 = 3/8.

46. Answer: B – 10
Original number + 5 = 15. Original number = 15 – 5 = 10.

47. Answer: C – ₹30
One dozen = 12 eggs. Cost of 12 eggs = ₹60. Cost of 6 eggs = ₹60 ÷ 2 = ₹30.

48. Answer: C – 50%
To convert a decimal into a percentage, multiply by 100. 0.5 × 100 = 50%.

49. Answer: B – 2 hours
Departure time = 9:00 AM. Arrival time = 11:00 AM. Journey duration = 2 hours.

50. Answer: C – 20 cm
Perimeter of a square = 4 × Side = 4 × 5 = 20 cm.

IMPORTANT FORMULAS FOR CANDIDATES

Quick reference

Topic	Formula
Percentage	(Value ÷ Total) × 100
Discount	Marked Price – Selling Price
Profit	Selling Price – Cost Price
Loss	Cost Price – Selling Price
Profit %	(Profit ÷ Cost Price) × 100
Loss %	(Loss ÷ Cost Price) × 100
Average	Total ÷ Number of values
Speed	Distance ÷ Time
Distance	Speed × Time
Time	Distance ÷ Speed
Work per day	1 ÷ Number of days
Square perimeter	4 × Side

Candidate preparation advice

Attempt all 50 questions independently before checking the answers. Focus on understanding the simp
method rather than memorising the answer.