

**KUMAR CLASSES****JNVST Class VI - Practice Paper 03**

Advanced practice set 03 of 10 | English medium | 2027 pattern

Section	Questions	Marks	Suggested time
Mental Ability + EVS	1-40	50	60 minutes
Arithmetic	41-60	25	30 minutes
Language (English)	61-80	25	30 minutes
Total	80	100	2 hours

Candidate name: _____ Roll no.: _____

Instructions

1. This is a practice booklet, not an official examination paper. Select one option (A-D) for each question.
2. Mark answers on the separate OMR practice sheet included after the questions. Use a dark pen or pencil and fill one bubble completely.
3. Each correct answer is worth 1.25 marks. No marks are deducted for a wrong answer. Do rough work on the question pages.
4. Total time: 2 hours. English is used for the language section in this edition.

Question types informed by past JNVST papers and current practice-book coverage. All questions are original. Print at A4, 100% scale.



SECTION I | MENTAL ABILITY | Questions 1-20

1. Complete the series: 6, 13, 27, 55, 111, ____.

(A) 221 (B) 223 (C) 227 (D) 225

2. 7 is related to 50 as 7 is related to ____.

(A) 51 (B) 49 (C) 56 (D) 50

3. If each letter moves one step forward, what is the code for RIVER?

(A) RIVER (B) SJWFS (C) RJWFS (D) SJWFR

4. A walker goes 5 km north, 6 km east, 5 km south and 3 km west. Where is the walker from the start?

(A) 4 km east (B) 3 km north (C) 3 km west (D) 3 km east

5. Find the next term: 6, 10, 16, 24, 34, ____.

(A) 46 (B) 44 (C) 52 (D) 48

6. Asha is 8th from the left and 10th from the right. How many children are in the row?

(A) 17 (B) 15 (C) 16 (D) 18

7. Which number is NOT a perfect square?

(A) 257 (B) 225 (C) 169 (D) 196

8. If the first day of a month is Monday, what day is the 15th?

(A) Monday (B) Wednesday (C) Thursday (D) Tuesday

9. In each row the third number is the sum of the first two: (5, 6, 11); (6, 7, ____).

(A) 13 (B) 11 (C) 16 (D) 14

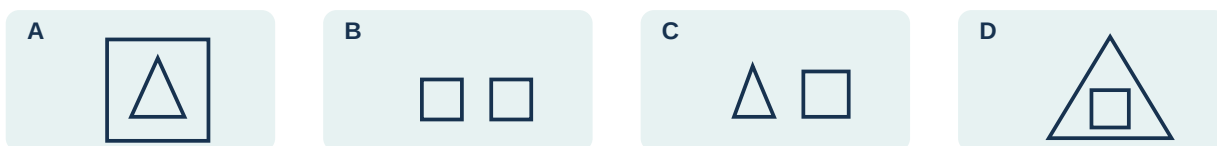
10. In a line, D is ahead of A, A ahead of B, and B ahead of C. Who is first among them?

(A) D (B) A (C) C (D) B

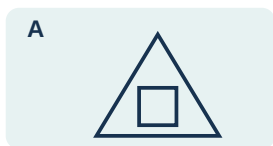
11. Which figure shades the lower-right quarter?



12. Which shows a triangle completely inside a square?



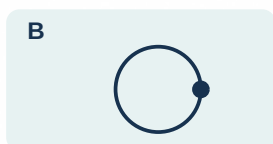
13. Which shows a square enclosed by a triangle?



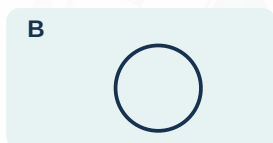
14. Which figure is a reflection of a flag pointing left?



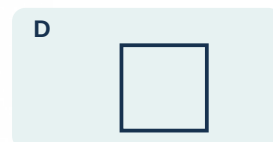
15. Which figure has one dot strictly INSIDE a circle?



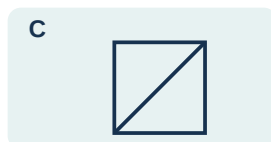
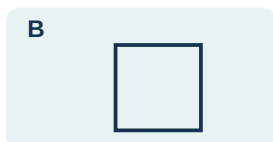
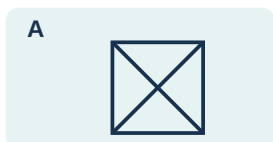
16. Which figure shows exactly ONE angle made by two straight segments?



17. Which figure has exactly TWO axes of symmetry?



18. Which figure contains BOTH diagonals of a quadrilateral?

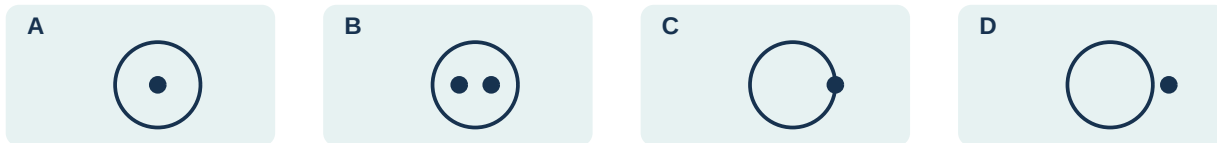


19. Which figure is a clockwise quarter-turn of an upward arrow?





20. Which figure has one dot on the circle boundary?



SECTION II | ENVIRONMENTAL STUDIES | Questions 21-40

21. A solar cooker works best on a ___ day.

(A) foggy (B) sunny (C) rainy (D) cloudy

22. What happens to most substances when heated?

(A) They expand (B) They become magnets (C) They lose all mass (D) They turn into ice

23. A plant kept in a dark room cannot make enough food because it lacks ___.

(A) water only (B) air only (C) soil only (D) light

24. Why is a compost pit useful?

(A) It stores electricity (B) It turns organic waste into manure (C) It creates plastic (D) It stops all insects

25. What does a pulley help us do?

(A) Stop gravity (B) Lift a load more conveniently (C) Change a stone to wood (D) Create energy from nothing

26. Which organ pumps blood through the body?

(A) Brain (B) Heart (C) Lungs (D) Stomach

27. Which pair consists of sense organs?

(A) Eyes and ears (B) Lungs and nose (C) Heart and skin (D) Stomach and tongue

28. A farmer puts dry leaves around a young plant during summer. What is the main benefit?

(A) It increases wind (B) It makes rain (C) It removes roots (D) It reduces evaporation from soil

29. A seedling in a closed dark box grows pale and weak. It chiefly lacks ___.

(A) wind (B) soil colour (C) sound (D) light for food making

30. Why can a duck float more easily than a stone of similar size?

(A) It has no mass (B) It produces electricity (C) Water is solid (D) Its overall density is lower

31. Which of these is a conductor of electricity?

(A) Dry wood (B) Copper wire (C) Plastic ruler (D) Rubber band

32. Which part of a flower develops into a fruit?

(A) Stem (B) Petal (C) Ovary (D) Root



33. Which pair represents a habitat and its animal?

- (A) Desert - polar bear (B) Ocean - camel (C) Pond - fish (D) Forest - shark

34. Which stage comes immediately after an egg in a butterfly life cycle?

- (A) Adult butterfly (B) Pupa (C) Caterpillar (D) Seed

35. A bar magnet has the strongest attraction near its ____.

- (A) poles (B) paint (C) string (D) middle only

36. Which adaptation helps a camel in a dry region?

- (A) Dense polar fur (B) Webbed feet (C) Ability to survive with limited water (D) Gills

37. A shadow is usually shortest around ____.

- (A) sunset (B) midnight (C) sunrise (D) midday

38. Which is the safest way to cross a busy road?

- (A) Use a zebra crossing and check traffic (B) Cross while looking at a phone (C) Follow a vehicle closely (D) Run anywhere

39. What mainly causes day and night?

- (A) Clouds moving (B) Earth rotating on its axis (C) Seasons changing (D) Moon rotating

40. When a metal spoon rests in hot soup, its handle becomes warm. This is mainly ____.

- (A) evaporation (B) condensation (C) reflection (D) conduction

SECTION III | ARITHMETIC | Questions 41-60

41. Find $291 + 152 - 36$.

- (A) 417 (B) 427 (C) 407 (D) 397

42. Each notebook costs Rs. 15. What is the cost of 11 notebooks?

- (A) Rs. 150 (B) Rs. 165 (C) Rs. 154 (D) Rs. 180

43. A tank is $\frac{2}{5}$ full. After 16 L is added, it is $\frac{3}{5}$ full. What is its capacity?

- (A) 80 L (B) 100 L (C) 90 L (D) 70 L

44. A rectangle has perimeter 46 cm and length 15 cm. What is its width?

- (A) 6 cm (B) 11 cm (C) 8 cm (D) 9 cm

45. A toy priced Rs. 260 has a 10% discount. Find its sale price.

- (A) Rs. 244 (B) Rs. 234 (C) Rs. 260 (D) Rs. 224

46. Find the LCM of 6 and 12.

- (A) 24 (B) 12 (C) 18 (D) 6



47. Find the HCF of 60 and 90.

(A) 15 (B) 36 (C) 30 (D) 60

48. The average of four numbers is 19. Three are 13, 19 and 24. Find the fourth.

(A) 18 (B) 22 (C) 20 (D) 24

49. A bus travels at 44 km per hour. How far does it go in 4 hours?

(A) 132 km (B) 220 km (C) 166 km (D) 176 km

50. A train starts at 7:25 a.m. and travels for 2 h 35 min. What time does it arrive? (Use the same 12-hour clock.)

(A) 9:50 (B) 10:10 (C) 10:20 (D) 10:00

51. A 22 m by 15 m field has a 1 m wide path INSIDE on every edge. Find the unpaved area.

(A) 260 sq m (B) 250 sq m (C) 282 sq m (D) 330 sq m

52. A number divided by 8 gives quotient 10 and remainder 3. Find the number.

(A) 80 (B) 91 (C) 84 (D) 83

53. 6 pens cost Rs. 90. What do 10 pens cost at the same rate?

(A) Rs. 140 (B) Rs. 105 (C) Rs. 160 (D) Rs. 150

54. A container holds 64 L. If $\frac{3}{8}$ is used, how much remains?

(A) 35 L (B) 45 L (C) 40 L (D) 24 L

55. Convert 5 L to millilitres.

(A) 50000 mL (B) 500 mL (C) 5100 mL (D) 5000 mL

56. Find 10% simple interest on Rs. 1300 for one year.

(A) Rs. 1170 (B) Rs. 140 (C) Rs. 120 (D) Rs. 130

57. A square tile has side 9 cm. What is its area?

(A) 90 sq cm (B) 72 sq cm (C) 81 sq cm (D) 36 sq cm

58. Three consecutive whole numbers sum to 69. What is the largest?

(A) 24 (B) 23 (C) 25 (D) 22

59. A price rises from Rs. 140 to Rs. 175. Find the percentage increase.

(A) 30% (B) 20% (C) 25% (D) 40%

60. How many 250 mL cups can be filled from 6 L?

(A) 24 (B) 22 (C) 26 (D) 28

SECTION IV | LANGUAGE (ENGLISH) | Questions 61-80

PASSAGE 1



Charu visited the stream after a morning shower. The ground near the entrance was wet, but the path under a large tree was nearly dry. Charu drew both places in a jar. At home, Charu compared the drawings and concluded that the tree had blocked much of the rain from reaching the path. The next day, the class discussed why observations from two places are more useful than a single guess.

61. When did the visit take place?

(A) At midnight (B) After a morning shower (C) During a drought (D) Before sunrise

62. Which path was nearly dry?

(A) The path under a large tree (B) The road outside (C) The whole garden (D) The entrance

63. What was used to record the observation?

(A) A loudspeaker (B) A jar (C) A newspaper (D) A telephone

64. What conclusion did the visitor reach?

(A) The tree produced rain (B) The path was painted (C) The tree blocked much of the rain (D) The shower never occurred

65. Why compare two places?

(A) To make the walk longer (B) To avoid the class (C) To support a conclusion with observations (D) To count houses

PASSAGE 2

At the community reading corner, Charu noticed that the lower shelf was crowded while the upper shelf was almost empty. Younger children could reach only the lower shelf. Instead of shifting every book, Charu placed the most requested stories below and asked an adult to help with the upper shelf. By the end of the week, the books were easier to find and fewer were left on the floor.

66. Which shelf was crowded?

(A) The lower shelf (B) The upper shelf (C) Neither shelf (D) Both equally

67. Who could reach only the lower shelf?

(A) Visitors from another town (B) All adults (C) The librarian (D) Younger children

68. What was placed below?

(A) The most requested stories (B) Broken chairs (C) Old boxes (D) Only newspapers

69. Who helped with the upper shelf?

(A) Nobody (B) A driver (C) An adult (D) A pet

70. What improved by the end of the week?

(A) The room became smaller (B) Books were easier to find (C) The books were hidden (D) The shelf disappeared

PASSAGE 3

Charu and friends planned to clean a path beside the stream. They brought two bags and a pair of gloves for each helper. Dry paper went into one bag; fruit peels went into the other for compost. One friend suggested burning



everything, but the group rejected that idea because smoke would pollute the air. They finished before noon and washed their hands carefully.

71. What did each helper wear?

(A) A helmet (B) A scarf (C) Gloves (D) A mask only

72. Where did the fruit peels go?

(A) Into the paper bag (B) Into the pond (C) Into a fire (D) Into the compost bag

73. Why was burning rejected?

(A) It would stop the wind (B) It would help insects (C) Smoke would pollute the air (D) It would make books wet

74. When did the group finish?

(A) At sunset (B) Before noon (C) The next week (D) After midnight

75. Which action shows safe hygiene?

(A) Washing hands carefully (B) Touching waste barehanded (C) Leaving litter behind (D) Drinking from a puddle

PASSAGE 4

For a small science display, Charu placed identical seeds in two pots. Both received the same amount of water, but only one pot stood near a sunny window. A week later, the seedlings looked different. Charu did not claim that water caused the difference because the amount of water had been kept the same. The display explained that changing one condition at a time helps us test an idea fairly.

76. How were the seeds described?

(A) Different in size (B) Identical (C) Already grown (D) Plastic

77. What was kept the same?

(A) The pot colour only (B) The amount of sunlight (C) The amount of water (D) The window position

78. Which condition differed?

(A) The amount of water (B) The number of pots (C) Access to sunlight (D) The type of seed

79. What did the visitor avoid claiming?

(A) That a week passed (B) That water caused the difference (C) That plants grow (D) That pots can hold soil

80. What helps test an idea fairly?

(A) Making a guess only (B) Changing one condition at a time (C) Using no observations (D) Changing every condition



PRACTICE OMR RESPONSE SHEET

Name: _____ Roll no.: _____ Date: _____

Fill ONE bubble completely for each question. Keep this sheet flat and clean.

1 - 20	21 - 40	41 - 60	61 - 80
01 ☐ A ☐ B ☐ C ☐ D	21 ☐ A ☐ B ☐ C ☐ D	41 ☐ A ☐ B ☐ C ☐ D	61 ☐ A ☐ B ☐ C ☐ D
02 ☐ A ☐ B ☐ C ☐ D	22 ☐ A ☐ B ☐ C ☐ D	42 ☐ A ☐ B ☐ C ☐ D	62 ☐ A ☐ B ☐ C ☐ D
03 ☐ A ☐ B ☐ C ☐ D	23 ☐ A ☐ B ☐ C ☐ D	43 ☐ A ☐ B ☐ C ☐ D	63 ☐ A ☐ B ☐ C ☐ D
04 ☐ A ☐ B ☐ C ☐ D	24 ☐ A ☐ B ☐ C ☐ D	44 ☐ A ☐ B ☐ C ☐ D	64 ☐ A ☐ B ☐ C ☐ D
05 ☐ A ☐ B ☐ C ☐ D	25 ☐ A ☐ B ☐ C ☐ D	45 ☐ A ☐ B ☐ C ☐ D	65 ☐ A ☐ B ☐ C ☐ D
06 ☐ A ☐ B ☐ C ☐ D	26 ☐ A ☐ B ☐ C ☐ D	46 ☐ A ☐ B ☐ C ☐ D	66 ☐ A ☐ B ☐ C ☐ D
07 ☐ A ☐ B ☐ C ☐ D	27 ☐ A ☐ B ☐ C ☐ D	47 ☐ A ☐ B ☐ C ☐ D	67 ☐ A ☐ B ☐ C ☐ D
08 ☐ A ☐ B ☐ C ☐ D	28 ☐ A ☐ B ☐ C ☐ D	48 ☐ A ☐ B ☐ C ☐ D	68 ☐ A ☐ B ☐ C ☐ D
09 ☐ A ☐ B ☐ C ☐ D	29 ☐ A ☐ B ☐ C ☐ D	49 ☐ A ☐ B ☐ C ☐ D	69 ☐ A ☐ B ☐ C ☐ D
10 ☐ A ☐ B ☐ C ☐ D	30 ☐ A ☐ B ☐ C ☐ D	50 ☐ A ☐ B ☐ C ☐ D	70 ☐ A ☐ B ☐ C ☐ D
11 ☐ A ☐ B ☐ C ☐ D	31 ☐ A ☐ B ☐ C ☐ D	51 ☐ A ☐ B ☐ C ☐ D	71 ☐ A ☐ B ☐ C ☐ D
12 ☐ A ☐ B ☐ C ☐ D	32 ☐ A ☐ B ☐ C ☐ D	52 ☐ A ☐ B ☐ C ☐ D	72 ☐ A ☐ B ☐ C ☐ D
13 ☐ A ☐ B ☐ C ☐ D	33 ☐ A ☐ B ☐ C ☐ D	53 ☐ A ☐ B ☐ C ☐ D	73 ☐ A ☐ B ☐ C ☐ D
14 ☐ A ☐ B ☐ C ☐ D	34 ☐ A ☐ B ☐ C ☐ D	54 ☐ A ☐ B ☐ C ☐ D	74 ☐ A ☐ B ☐ C ☐ D
15 ☐ A ☐ B ☐ C ☐ D	35 ☐ A ☐ B ☐ C ☐ D	55 ☐ A ☐ B ☐ C ☐ D	75 ☐ A ☐ B ☐ C ☐ D
16 ☐ A ☐ B ☐ C ☐ D	36 ☐ A ☐ B ☐ C ☐ D	56 ☐ A ☐ B ☐ C ☐ D	76 ☐ A ☐ B ☐ C ☐ D
17 ☐ A ☐ B ☐ C ☐ D	37 ☐ A ☐ B ☐ C ☐ D	57 ☐ A ☐ B ☐ C ☐ D	77 ☐ A ☐ B ☐ C ☐ D
18 ☐ A ☐ B ☐ C ☐ D	38 ☐ A ☐ B ☐ C ☐ D	58 ☐ A ☐ B ☐ C ☐ D	78 ☐ A ☐ B ☐ C ☐ D
19 ☐ A ☐ B ☐ C ☐ D	39 ☐ A ☐ B ☐ C ☐ D	59 ☐ A ☐ B ☐ C ☐ D	79 ☐ A ☐ B ☐ C ☐ D
20 ☐ A ☐ B ☐ C ☐ D	40 ☐ A ☐ B ☐ C ☐ D	60 ☐ A ☐ B ☐ C ☐ D	80 ☐ A ☐ B ☐ C ☐ D

Practice scoring: number correct x 1.25 = score out of 100. This OMR sheet is for practice only.



TEACHER ANSWER KEY - PAPER 3

Each correct answer: 1.25 marks. Total: 100.

MENTAL ABILITY | 1-20

01 B	06 A	11 B	16 D
02 D	07 A	12 A	17 A
03 B	08 A	13 A	18 A
04 D	09 A	14 A	19 B
05 A	10 A	15 C	20 C

ENVIRONMENTAL STUDIES | 21-40

21 B	26 B	31 B	36 C
22 A	27 A	32 C	37 D
23 D	28 D	33 C	38 A
24 B	29 D	34 C	39 B
25 B	30 D	35 A	40 D

ARITHMETIC | 41-60

41 C	46 B	51 A	56 D
42 B	47 C	52 D	57 C
43 A	48 C	53 D	58 A
44 C	49 D	54 C	59 C
45 B	50 D	55 D	60 A

LANGUAGE (ENGLISH) | 61-80

61 B	66 A	71 C	76 B
62 A	67 D	72 D	77 C
63 B	68 A	73 C	78 C
64 C	69 C	74 B	79 B
65 C	70 B	75 A	80 B