

**KUMAR CLASSES****JNVST Class VI - Practice Paper 04**

Advanced practice set 04 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     |
| <b>Total</b>         | <b>80</b> | <b>100</b> | <b>2 hours</b> |

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: 7, 15, 31, 63, 127, \_\_\_\_.

(A) 253 (B) 257 (C) 255 (D) 259

2. 7 is related to 50 as 8 is related to \_\_\_\_.

(A) 66 (B) 65 (C) 64 (D) 72

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

(A) STONE (B) TUPOF (C) SUPOF (D) TUPOE

4. A walker goes 6 km north, 7 km east, 6 km south and 4 km west. Where is the walker from the start?

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

5. Find the next term: 7, 11, 17, 25, 35, \_\_\_\_.

(A) 53 (B) 47 (C) 49 (D) 45

6. Asha is 9th from the left and 11th from the right. How many children are in the row?

(A) 20 (B) 19 (C) 18 (D) 17

7. Which number is NOT a perfect square?

(A) 290 (B) 225 (C) 196 (D) 256

8. If the first day of a month is Monday, what day is the 16th?

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

9. In each row the third number is the sum of the first two: (6, 7, 13); (7, 8, \_\_\_\_).

(A) 18 (B) 16 (C) 15 (D) 13

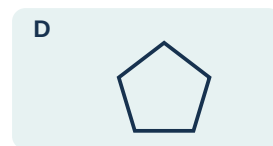
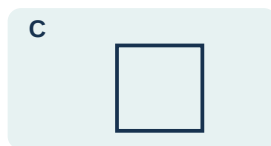
10. In a line, D is ahead of A, A ahead of B, and B ahead of C. Who is first among them?

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

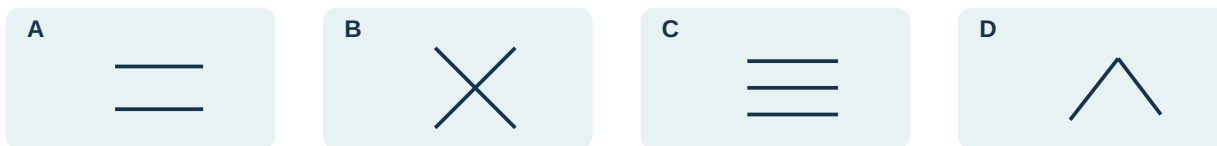
11. Which shows exactly two parallel straight lines?



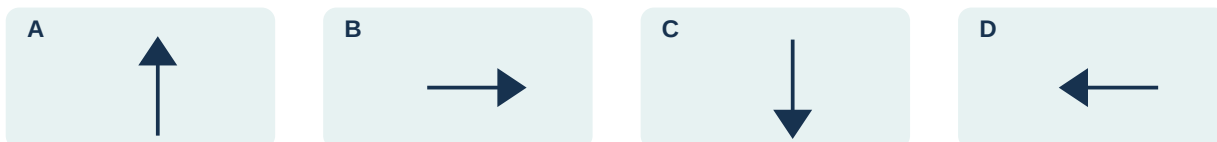
12. Which figure has five sides?



13. Which figure shows exactly three parallel lines?



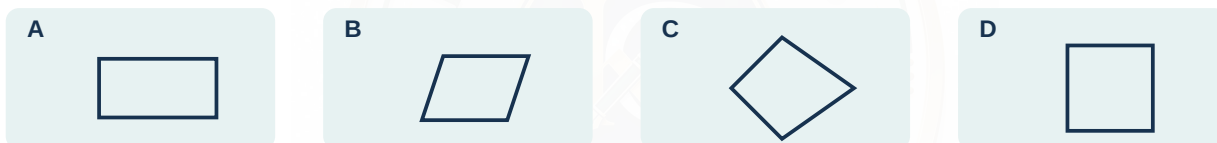
14. Which figure is an anticlockwise quarter-turn of a right arrow?



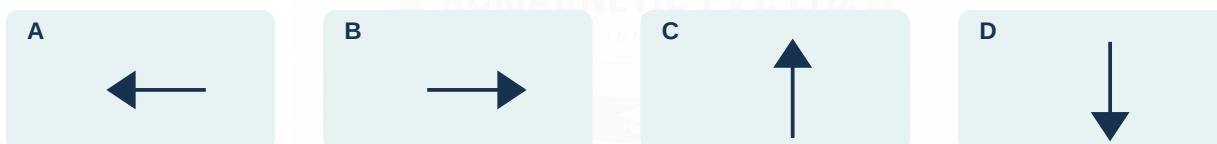
15. Which figure has exactly THREE sides?



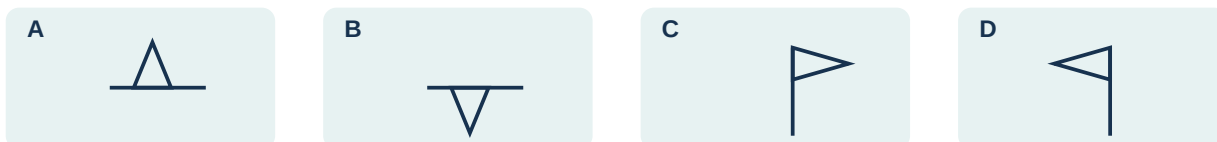
16. Which figure has exactly ONE axis of symmetry and four sides?



17. Which figure is a half-turn of an upward arrow?



18. Which figure is the mirror image of a right-facing flag?

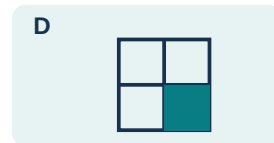
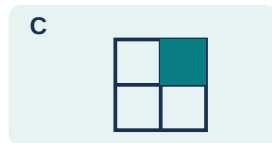
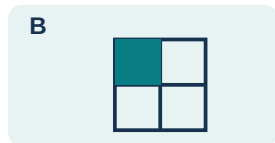
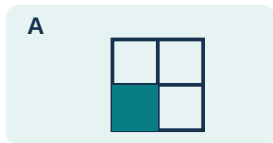


19. Which figure shows four dots?





20. Which is a half-turn of the shaded TOP-LEFT quarter?



## SECTION II | ENVIRONMENTAL STUDIES | Questions 21-40

21. Which structure protects the brain?

(A) Skull (B) Spine (C) Rib cage (D) Kneecap

22. Which material is most likely to float in water?

(A) Iron nail (B) Glass marble (C) Dry cork (D) Stone

23. Which practice best protects drinking water?

(A) Keeping vessels covered (B) Throwing waste in ponds (C) Leaving taps open (D) Washing clothes in wells

24. Which soil component helps plants by allowing water and air to enter?

(A) Glass (B) Spaces between particles (C) Paint (D) Plastic

25. Which material is attracted by a magnet?

(A) Rubber (B) Plastic (C) Wood (D) Iron

26. A mosquito breeds in standing water. Which action most directly reduces breeding?

(A) Empty water collected in containers (B) Plant more grass (C) Close every window at noon (D) Paint the wall

27. Which pair shows a reversible change followed by an irreversible change?

(A) Melting ice; burning paper (B) Burning paper; melting ice (C) Cooking rice; freezing water (D) Rusting iron; tearing cloth

28. A village plants trees on a bare slope. This most directly helps prevent \_\_\_\_.

(A) soil erosion (B) day and night (C) gravity (D) evaporation completely

29. What is the main source of energy for the water cycle?

(A) Sun (B) Windmill (C) Soil (D) Moon

30. A solar cooker works best on a \_\_\_\_ day.

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

31. What happens to most substances when heated?

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

32. A plant kept in a dark room cannot make enough food because it lacks \_\_\_\_.

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



**33. Why is a compost pit useful?**

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

**34. What does a pulley help us do?**

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

**35. Which organ pumps blood through the body?**

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

**36. Which pair consists of sense organs?**

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

**37. 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 reduces evaporation from soil (D) It removes roots

**38. 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

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

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

**40. Which of these is a conductor of electricity?**

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

## SECTION III | ARITHMETIC | Questions 41-60

**41. Find  $308 + 161 - 37$ .**

- (A) 432 (B) 452 (C) 422 (D) 442

**42. Each notebook costs Rs. 16. What is the cost of 12 notebooks?**

- (A) Rs. 208 (B) Rs. 192 (C) Rs. 180 (D) Rs. 176

**43. A tank is  $\frac{2}{5}$  full. After 18 L is added, it is  $\frac{3}{5}$  full. What is its capacity?**

- (A) 110 L (B) 80 L (C) 90 L (D) 100 L

**44. A rectangle has perimeter 50 cm and length 16 cm. What is its width?**

- (A) 7 cm (B) 12 cm (C) 9 cm (D) 10 cm

**45. A toy priced Rs. 280 has a 10% discount. Find its sale price.**

- (A) Rs. 242 (B) Rs. 280 (C) Rs. 262 (D) Rs. 252

**46. Find the LCM of 8 and 9.**

- (A) 72 (B) 81 (C) 36 (D) 80



47. Find the HCF of 72 and 108.

(A) 72 (B) 36 (C) 18 (D) 42

48. The average of four numbers is 20. Three are 14, 20 and 25. Find the fourth.

(A) 25 (B) 23 (C) 21 (D) 19

49. A bus travels at 47 km per hour. How far does it go in 5 hours?

(A) 225 km (B) 188 km (C) 235 km (D) 282 km

50. A train starts at 8:30 a.m. and travels for 2 h 35 min. What time does it arrive? (Use the same 12-hour clock.)

(A) 10:55 (B) 11:15 (C) 11:05 (D) 11:25

51. A 24 m by 16 m field has a 1 m wide path INSIDE on every edge. Find the unpaved area.

(A) 332 sq m (B) 298 sq m (C) 384 sq m (D) 308 sq m

52. A number divided by 9 gives quotient 11 and remainder 3. Find the number.

(A) 111 (B) 99 (C) 103 (D) 102

53. 3 pens cost Rs. 45. What do 7 pens cost at the same rate?

(A) Rs. 60 (B) Rs. 105 (C) Rs. 112 (D) Rs. 98

54. A container holds 72 L. If  $\frac{3}{8}$  is used, how much remains?

(A) 27 L (B) 40 L (C) 50 L (D) 45 L

55. Convert 6 L to millilitres.

(A) 60000 mL (B) 6000 mL (C) 6100 mL (D) 600 mL

56. Find 10% simple interest on Rs. 1400 for one year.

(A) Rs. 1260 (B) Rs. 140 (C) Rs. 150 (D) Rs. 130

57. A square tile has side 10 cm. What is its area?

(A) 40 sq cm (B) 100 sq cm (C) 110 sq cm (D) 90 sq cm

58. Three consecutive whole numbers sum to 72. What is the largest?

(A) 23 (B) 25 (C) 26 (D) 24

59. A price rises from Rs. 160 to Rs. 200. Find the percentage increase.

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

60. How many 250 mL cups can be filled from 7 L?

(A) 26 (B) 30 (C) 32 (D) 28

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

### PASSAGE 1



Divya visited the park after a morning shower. The ground near the entrance was wet, but the path under a large tree was nearly dry. Divya drew both places in a basket. At home, Divya 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) During a drought (B) At midnight (C) Before sunrise (D) After a morning shower

**62. Which path was nearly dry?**

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

**63. What was used to record the observation?**

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

**64. What conclusion did the visitor reach?**

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

**65. Why compare two places?**

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

## PASSAGE 2

At the community reading corner, Divya 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, Divya 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 upper shelf (B) The lower shelf (C) Neither shelf (D) Both equally

**67. Who could reach only the lower shelf?**

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

**68. What was placed below?**

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

**69. Who helped with the upper shelf?**

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

**70. What improved by the end of the week?**

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

## PASSAGE 3

Divya and friends planned to clean a path beside the park. 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) Gloves (C) A mask only (D) A scarf

**72. Where did the fruit peels go?**

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

**73. Why was burning rejected?**

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

**74. When did the group finish?**

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

**75. Which action shows safe hygiene?**

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

## PASSAGE 4

For a small science display, Divya 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. Divya 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) Plastic (D) Already grown

**77. What was kept the same?**

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

**78. Which condition differed?**

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

**79. What did the visitor avoid claiming?**

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

**80. What helps test an idea fairly?**

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



## 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                                                                                            |
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| 02 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 22 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 42 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 62 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
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| 04 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 24 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 44 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 64 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 05 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 25 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 45 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 65 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 06 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 26 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 46 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 66 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
| 07 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 27 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 47 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 67 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |
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| 20 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 40 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 60 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D | 80 <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D |

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



## TEACHER ANSWER KEY - PAPER 4

Each correct answer: 1.25 marks. Total: 100.

### MENTAL ABILITY | 1-20

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

### ENVIRONMENTAL STUDIES | 21-40

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

### ARITHMETIC | 41-60

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

### LANGUAGE (ENGLISH) | 61-80

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