

**KUMAR CLASSES****JNVST Class VI - Practice Paper 09**

Advanced practice set 09 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: 12, 25, 51, 103, 207, ____.

(A) 415 (B) 417 (C) 419 (D) 413

2. 7 is related to 50 as 13 is related to ____.

(A) 182 (B) 169 (C) 171 (D) 170

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

(A) GMPVS (B) FLOUR (C) GMPVR (D) FMPVS

4. A walker goes 11 km north, 12 km east, 11 km south and 9 km west. Where is the walker from the start?

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

5. Find the next term: 12, 16, 22, 30, 40, ____.

(A) 52 (B) 54 (C) 58 (D) 50

6. Asha is 14th from the left and 16th from the right. How many children are in the row?

(A) 29 (B) 28 (C) 27 (D) 30

7. Which number is NOT a perfect square?

(A) 441 (B) 361 (C) 485 (D) 400

8. If the first day of a month is Monday, what day is the 21th?

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

9. In each row the third number is the sum of the first two: (11, 12, 23); (12, 13, ____).

(A) 25 (B) 23 (C) 26 (D) 28

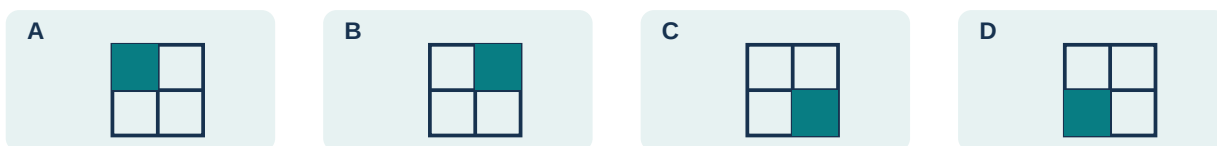
10. In a line, D is ahead of A, A ahead of B, and B ahead of C. Who is first among them?

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

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



12. Which figure shades the lower-right quarter?



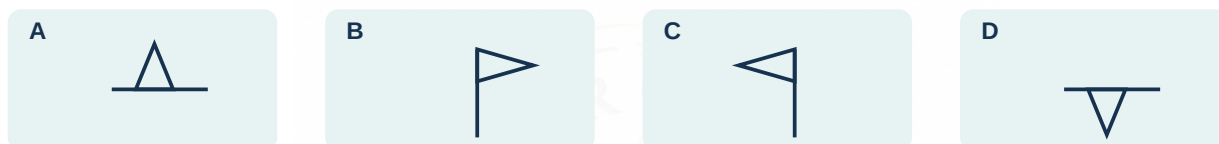
13. Which shows a triangle completely inside a square?



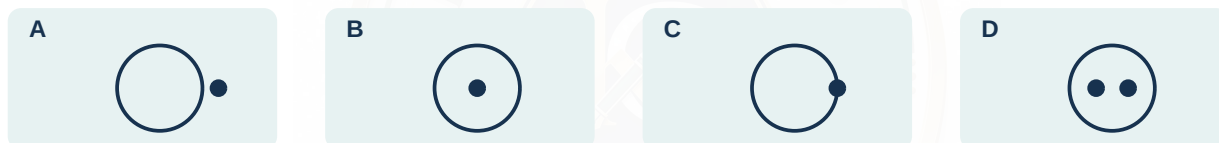
14. Which shows a square enclosed by a triangle?



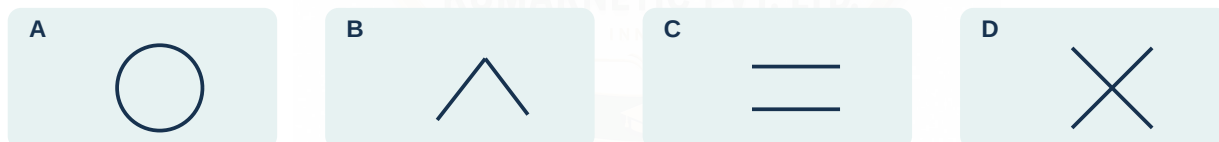
15. Which figure is a reflection of a flag pointing left?



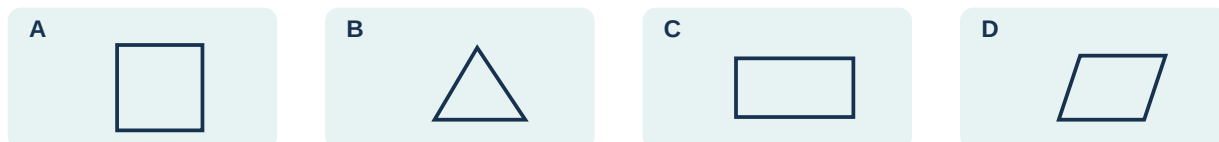
16. Which figure has one dot strictly INSIDE a circle?



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



18. Which figure has exactly TWO axes of symmetry?



19. Which figure contains BOTH diagonals of a quadrilateral?





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



SECTION II | ENVIRONMENTAL STUDIES | Questions 21-40

21. Which instrument measures air temperature?

(A) Compass (B) Clock (C) Rain gauge (D) Thermometer

22. Which part of a plant absorbs most water from soil?

(A) Leaf (B) Root (C) Flower (D) Fruit

23. Which animal is mainly active at night?

(A) Owl (B) Squirrel (C) Butterfly (D) Cow

24. Which disease can be spread by mosquitoes?

(A) Scurvy (B) Rickets (C) Malaria (D) Goitre

25. Two identical wet towels dry at different rates. One is spread out; the other is folded. Why?

(A) Air becomes colder (B) Folded towel is heavier (C) Spread towel has greater exposed area (D) Water changes colour

26. In a food chain grass → grasshopper → frog → snake, the frog is a ____.

(A) secondary consumer (B) producer (C) primary consumer (D) decomposer

27. A family separates kitchen peels and plastic wrappers. Which should go for composting?

(A) Plastic (B) Peels (C) Both (D) Neither

28. Why do farmers rotate crops?

(A) To stop all rainfall (B) To change day length (C) To help maintain soil nutrients (D) To make seeds heavier

29. Which practice reduces soil erosion on hills?

(A) Leaving soil bare (B) Overgrazing (C) Terracing (D) Removing plants

30. A bicycle brake slows the wheel mainly because of ____.

(A) gravity alone (B) evaporation (C) friction (D) magnetism

31. What is the best way to conserve groundwater?

(A) Pump continuously (B) Keep taps running (C) Harvest rainwater (D) Cover all soil with concrete

32. Which gas is needed for most burning?

(A) Nitrogen (B) Carbon dioxide (C) Helium (D) Oxygen



33. Where does digestion begin?

(A) Heart (B) Large intestine (C) Lung (D) Mouth

34. Which is a renewable source of energy?

(A) Diesel (B) Petrol (C) Coal (D) Sunlight

35. A food chain begins with a ____.

(A) decomposer (B) producer (C) scavenger (D) carnivore

36. Which of these is biodegradable?

(A) Aluminium can (B) Plastic wrapper (C) Banana peel (D) Glass bottle

37. A shadow changes direction during the day mainly because ____.

(A) object becomes smaller (B) Moon changes colour (C) Earth rotates and the Sun appears to move (D) wind pushes the shadow

38. A flower is covered with a fine net that keeps insects away. It may form fewer fruits because ____.

(A) air contains no oxygen (B) roots stop growing (C) pollination may be reduced (D) soil becomes dry

39. What should be recorded to compare rainfall over a week fairly?

(A) Only the wettest day (B) Colour of clouds alone (C) Wind direction only (D) Rain gauge readings at the same time daily

40. Which part of the human body mainly helps breathing?

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

SECTION III | ARITHMETIC | Questions 41-60

41. Find $393 + 206 - 42$.

(A) 547 (B) 577 (C) 567 (D) 557

42. Each notebook costs Rs. 21. What is the cost of 17 notebooks?

(A) Rs. 357 (B) Rs. 340 (C) Rs. 378 (D) Rs. 336

43. A tank is $\frac{2}{5}$ full. After 28 L is added, it is $\frac{3}{5}$ full. What is its capacity?

(A) 140 L (B) 160 L (C) 130 L (D) 150 L

44. A rectangle has perimeter 70 cm and length 21 cm. What is its width?

(A) 12 cm (B) 14 cm (C) 15 cm (D) 17 cm

45. A toy priced Rs. 380 has a 10% discount. Find its sale price.

(A) Rs. 380 (B) Rs. 332 (C) Rs. 352 (D) Rs. 342

46. Find the LCM of 6 and 12.

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



47. Find the HCF of 132 and 198.

(A) 72 (B) 33 (C) 66 (D) 132

48. The average of four numbers is 25. Three are 19, 25 and 30. Find the fourth.

(A) 24 (B) 30 (C) 28 (D) 26

49. A bus travels at 62 km per hour. How far does it go in 4 hours?

(A) 310 km (B) 238 km (C) 186 km (D) 248 km

50. A train starts at 7:30 a.m. and travels for 2 h 35 min. What time does it arrive? (Use the same 12-hour clock.)

(A) 10:05 (B) 10:25 (C) 9:55 (D) 10:15

51. A 34 m by 21 m field has a 1 m wide path INSIDE on every edge. Find the unpaved area.

(A) 642 sq m (B) 608 sq m (C) 714 sq m (D) 598 sq m

52. A number divided by 14 gives quotient 16 and remainder 3. Find the number.

(A) 227 (B) 228 (C) 241 (D) 224

53. 4 pens cost Rs. 60. What do 8 pens cost at the same rate?

(A) Rs. 120 (B) Rs. 112 (C) Rs. 128 (D) Rs. 75

54. A container holds 112 L. If $\frac{3}{8}$ is used, how much remains?

(A) 42 L (B) 75 L (C) 70 L (D) 65 L

55. Convert 11 L to millilitres.

(A) 110000 mL (B) 11000 mL (C) 1100 mL (D) 11100 mL

56. Find 10% simple interest on Rs. 1900 for one year.

(A) Rs. 180 (B) Rs. 1710 (C) Rs. 200 (D) Rs. 190

57. A square tile has side 15 cm. What is its area?

(A) 225 sq cm (B) 210 sq cm (C) 60 sq cm (D) 240 sq cm

58. Three consecutive whole numbers sum to 87. What is the largest?

(A) 29 (B) 28 (C) 30 (D) 31

59. A price rises from Rs. 260 to Rs. 325. Find the percentage increase.

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

60. How many 250 mL cups can be filled from 12 L?

(A) 48 (B) 46 (C) 50 (D) 52

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

PASSAGE 1



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

62. Which path was nearly dry?

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

63. What was used to record the observation?

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

64. What conclusion did the visitor reach?

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

65. Why compare two places?

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

PASSAGE 2

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

67. Who could reach only the lower shelf?

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

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

70. What improved by the end of the week?

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

PASSAGE 3

Isha and friends planned to clean a path beside the courtyard. 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) A mask only (D) Gloves

72. Where did the fruit peels go?

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

73. Why was burning rejected?

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

74. When did the group finish?

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

75. Which action shows safe hygiene?

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

PASSAGE 4

For a small science display, Isha 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. Isha 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) Already grown (B) Identical (C) Different in size (D) Plastic

77. What was kept the same?

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

78. Which condition differed?

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

79. What did the visitor avoid claiming?

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

80. What helps test an idea fairly?

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



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 9

Each correct answer: 1.25 marks. Total: 100.

MENTAL ABILITY | 1-20

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

ENVIRONMENTAL STUDIES | 21-40

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

ARITHMETIC | 41-60

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

LANGUAGE (ENGLISH) | 61-80

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