

**KUMAR CLASSES****JNVST Class VI - Practice Paper 07**

Advanced practice set 07 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: 10, 21, 43, 87, 175, ____.

(A) 349 (B) 355 (C) 353 (D) 351

2. 7 is related to 50 as 11 is related to ____.

(A) 123 (B) 132 (C) 122 (D) 121

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

(A) HPVTF (B) IPVTE (C) IPVTF (D) HOUSE

4. A walker goes 9 km north, 10 km east, 9 km south and 7 km west. Where is the walker from the start?

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

5. Find the next term: 10, 14, 20, 28, 38, ____.

(A) 50 (B) 48 (C) 56 (D) 52

6. Asha is 12th from the left and 14th from the right. How many children are in the row?

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

7. Which number is NOT a perfect square?

(A) 361 (B) 324 (C) 289 (D) 401

8. If the first day of a month is Monday, what day is the 19th?

(A) Monday (B) Friday (C) Saturday (D) Sunday

9. In each row the third number is the sum of the first two: (9, 10, 19); (10, 11, ____).

(A) 22 (B) 24 (C) 19 (D) 21

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

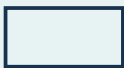
(A) C (B) B (C) A (D) D

11. Which figure has exactly TWO axes of symmetry?

A



B



C



D



12. Which figure contains BOTH diagonals of a quadrilateral?

A



B



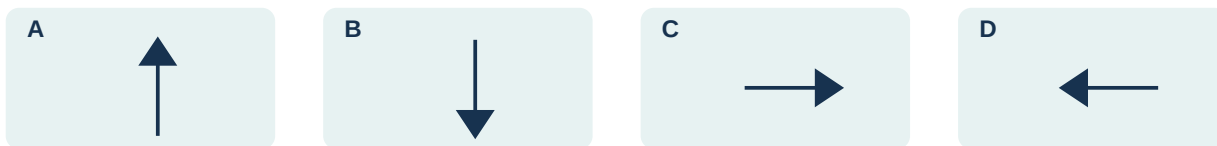
C



D



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



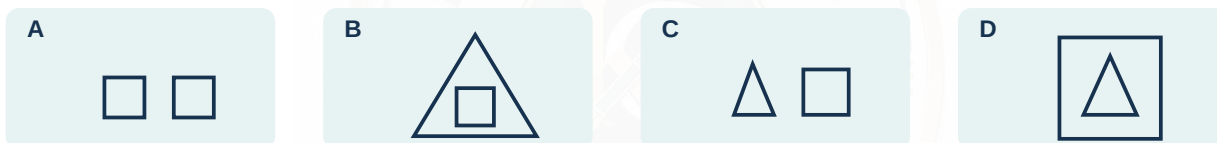
14. Which figure has one dot on the circle boundary?



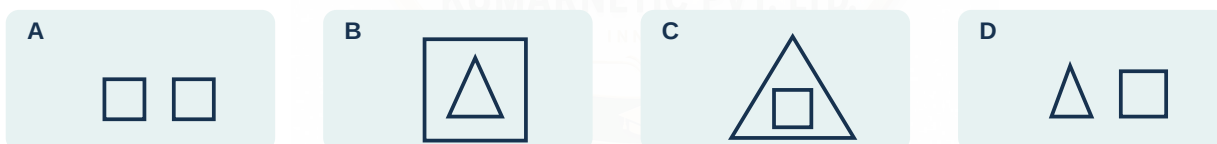
15. Which figure shades the lower-right quarter?



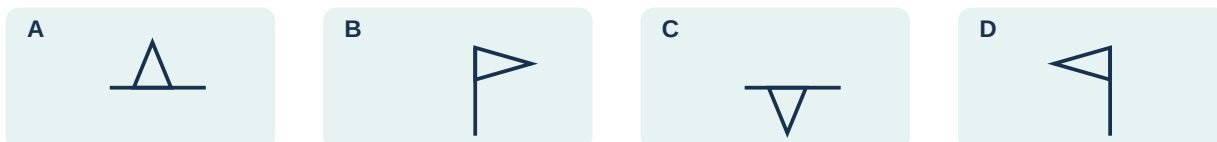
16. Which shows a triangle completely inside a square?



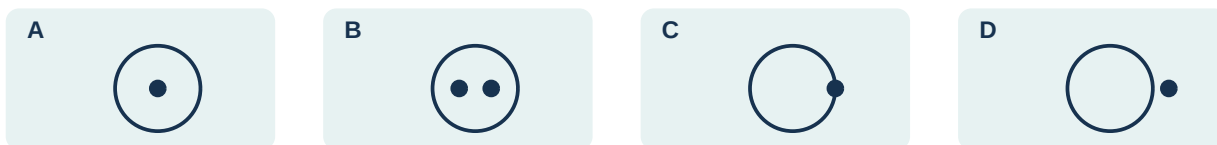
17. Which shows a square enclosed by a triangle?



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



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





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



SECTION II | ENVIRONMENTAL STUDIES | Questions 21-40

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

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

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

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

23. Which material is best for a raincoat?

(A) Cotton wool (B) Sponge (C) Waterproof fabric (D) Paper

24. A healthy meal contains grains, vegetables and pulses chiefly to provide ____.

(A) only salt (B) only sugar (C) only water (D) different nutrients

25. What is the safest action during an electrical storm outdoors?

(A) Stand under a lone tree (B) Hold a metal pole (C) Seek a safe building (D) Swim

26. How can a community reduce mosquito breeding?

(A) Store tyres with water (B) Block drains (C) Remove stagnant water (D) Keep uncovered buckets outside

27. Which gas do green plants take in while making food?

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

28. A rain gauge measures ____.

(A) humidity (B) temperature (C) rainfall (D) wind speed

29. Why do we boil water before drinking it?

(A) To add salt (B) To change its colour (C) To remove all minerals (D) To kill many harmful germs

30. A plant is kept near a window. After several days its shoot bends toward the window. What explains this?

(A) Shoot grows toward light (B) Soil moves (C) Leaves repel air (D) Roots absorb light

31. A compass needle is used to find direction because it aligns with ____.

(A) Earth's magnetic field (B) sunlight only (C) air pressure (D) rainfall

32. Which observation is the strongest evidence that air takes up space?

(A) An inverted empty glass traps air underwater (B) Air is invisible (C) Wind feels cool (D) Clouds move



33. Which animal begins life as a tadpole?

(A) Sparrow (B) Rabbit (C) Lizard (D) Frog

34. Which is an example of condensation?

(A) A wet cloth drying (B) Water boiling (C) Ice melting (D) Drops forming outside a cold glass

35. Which direction is opposite to northeast?

(A) East (B) Northwest (C) Southeast (D) Southwest

36. Which is a physical change?

(A) Burning wood (B) Dissolving sugar in water (C) Cooking an egg (D) Rusting iron

37. What causes a rainbow to appear?

(A) Wind moving leaves (B) Clouds changing colour (C) Moonlight through dust (D) Sunlight passing through water droplets

38. Which is the best example of reusing?

(A) Refilling a bottle (B) Buying a new bottle each time (C) Burning plastic (D) Throwing away a bottle

39. What should you do first if you notice a small cut on your finger?

(A) Share a towel (B) Wash it with clean water (C) Ignore it (D) Touch it with soil

40. Which simple action saves electricity?

(A) Switch off unused lights (B) Keep refrigerator open (C) Leave fans on (D) Use lamps in daylight

SECTION III | ARITHMETIC | Questions 41-60

41. Find $359 + 188 - 40$.

(A) 517 (B) 507 (C) 527 (D) 497

42. Each notebook costs Rs. 19. What is the cost of 15 notebooks?

(A) Rs. 304 (B) Rs. 266 (C) Rs. 270 (D) Rs. 285

43. A tank is $\frac{2}{5}$ full. After 24 L is added, it is $\frac{3}{5}$ full. What is its capacity?

(A) 110 L (B) 130 L (C) 140 L (D) 120 L

44. A rectangle has perimeter 62 cm and length 19 cm. What is its width?

(A) 15 cm (B) 10 cm (C) 13 cm (D) 12 cm

45. A toy priced Rs. 340 has a 10% discount. Find its sale price.

(A) Rs. 306 (B) Rs. 340 (C) Rs. 316 (D) Rs. 296

46. Find the LCM of 8 and 12.

(A) 32 (B) 36 (C) 12 (D) 24



47. Find the HCF of 108 and 162.

(A) 108 (B) 27 (C) 60 (D) 54

48. The average of four numbers is 23. Three are 17, 23 and 28. Find the fourth.

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

49. A bus travels at 56 km per hour. How far does it go in 5 hours?

(A) 270 km (B) 224 km (C) 280 km (D) 336 km

50. A train starts at 8:20 a.m. and travels for 2 h 35 min. What time does it arrive? (Use the same 12-hour clock.)

(A) 11:05 (B) 10:55 (C) 11:15 (D) 10:45

51. A 30 m by 19 m field has a 1 m wide path INSIDE on every edge. Find the unpaved area.

(A) 476 sq m (B) 506 sq m (C) 466 sq m (D) 570 sq m

52. A number divided by 12 gives quotient 14 and remainder 3. Find the number.

(A) 168 (B) 183 (C) 171 (D) 172

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

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

54. A container holds 96 L. If $\frac{3}{8}$ is used, how much remains?

(A) 65 L (B) 60 L (C) 36 L (D) 55 L

55. Convert 9 L to millilitres.

(A) 900 mL (B) 9100 mL (C) 9000 mL (D) 90000 mL

56. Find 10% simple interest on Rs. 1700 for one year.

(A) Rs. 170 (B) Rs. 180 (C) Rs. 1530 (D) Rs. 160

57. A square tile has side 13 cm. What is its area?

(A) 156 sq cm (B) 182 sq cm (C) 52 sq cm (D) 169 sq cm

58. Three consecutive whole numbers sum to 81. What is the largest?

(A) 29 (B) 28 (C) 26 (D) 27

59. A price rises from Rs. 220 to Rs. 275. Find the percentage increase.

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

60. How many 250 mL cups can be filled from 10 L?

(A) 42 (B) 40 (C) 44 (D) 38

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

PASSAGE 1



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

62. Which path was nearly dry?

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

63. What was used to record the observation?

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

64. What conclusion did the visitor reach?

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

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, Gita 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, Gita 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) The upper shelf (C) Neither shelf (D) The lower 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 pet (B) A driver (C) Nobody (D) An adult

70. What improved by the end of the week?

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

PASSAGE 3

Gita and friends planned to clean a path beside the lake. 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 scarf (B) Gloves (C) A mask only (D) A helmet

72. Where did the fruit peels go?

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

73. Why was burning rejected?

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

74. When did the group finish?

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

75. Which action shows safe hygiene?

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

PASSAGE 4

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

77. What was kept the same?

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

78. Which condition differed?

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

79. What did the visitor avoid claiming?

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

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 7

Each correct answer: 1.25 marks. Total: 100.

MENTAL ABILITY | 1-20

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

ENVIRONMENTAL STUDIES | 21-40

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

ARITHMETIC | 41-60

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

LANGUAGE (ENGLISH) | 61-80

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