

**KUMAR CLASSES****JNVST Class VI - Practice Paper 06**

Advanced practice set 06 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: 9, 19, 39, 79, 159, ____.

(A) 321 (B) 319 (C) 323 (D) 317

2. 7 is related to 50 as 10 is related to ____.

(A) 101 (B) 110 (C) 102 (D) 100

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

(A) TRAIN (B) USBJO (C) USBJN (D) TSBJO

4. A walker goes 8 km north, 9 km east, 8 km south and 6 km west. Where is the walker from the start?

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

5. Find the next term: 9, 13, 19, 27, 37, ____.

(A) 49 (B) 47 (C) 51 (D) 55

6. Asha is 11th from the left and 13th from the right. How many children are in the row?

(A) 21 (B) 23 (C) 24 (D) 22

7. Which number is NOT a perfect square?

(A) 324 (B) 289 (C) 256 (D) 362

8. If the first day of a month is Monday, what day is the 18th?

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

9. In each row the third number is the sum of the first two: (8, 9, 17); (9, 10, ____).

(A) 20 (B) 17 (C) 22 (D) 19

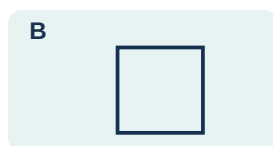
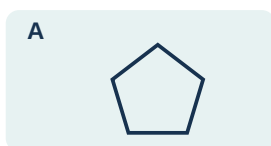
10. In a line, D is ahead of A, A ahead of B, and B ahead of C. Who is first among them?

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

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



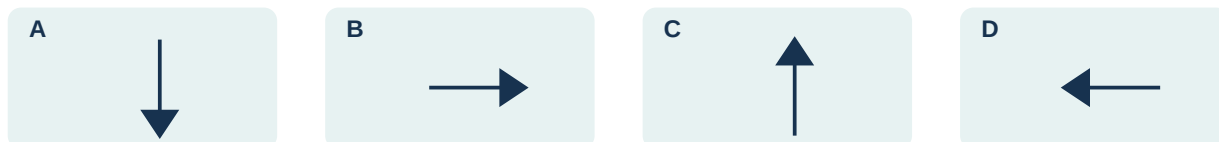
12. Which figure has exactly THREE sides?



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



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



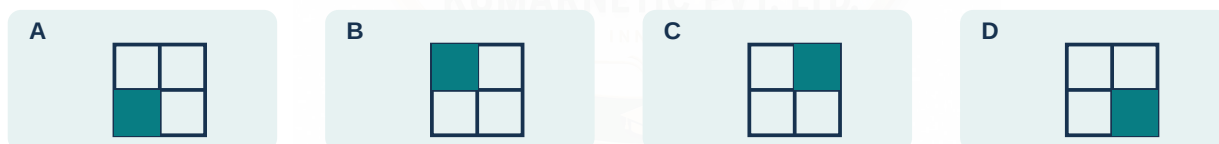
15. Which figure is the mirror image of a right-facing flag?



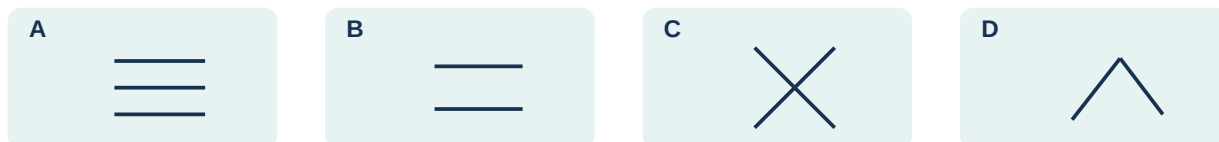
16. Which figure shows four dots?



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



18. Which shows exactly two parallel straight lines?



19. Which figure has five sides?





20. Which figure shows exactly three parallel lines?



SECTION II | ENVIRONMENTAL STUDIES | Questions 21-40

21. 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) Roots absorb light (C) Leaves repel air (D) Soil moves

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

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

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

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

24. Which animal begins life as a tadpole?

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

25. Which is an example of condensation?

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

26. Which direction is opposite to northeast?

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

27. Which is a physical change?

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

28. What causes a rainbow to appear?

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

29. Which is the best example of reusing?

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

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

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

31. Which simple action saves electricity?

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

32. When a seed germinates, which part usually grows downward first?

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



33. Which is a sensible first step in making muddy water safer before boiling?

- (A) Add sugar (B) Add paint (C) Freeze it (D) Let it settle and filter it

34. Two bulbs are connected to one battery. If one bulb is removed from a single-loop circuit, the other goes off because ____.

- (A) light is used up (B) circuit is broken (C) battery gets heavier (D) wire becomes shorter

35. Which method helps separate sand from water?

- (A) Magnetism (B) Freezing (C) Evaporation only (D) Filtration

36. Why are earthworms helpful in a garden?

- (A) They stop sunlight (B) They turn soil into plastic (C) They eat all roots (D) They loosen and enrich soil

37. Why do we see lightning before hearing thunder?

- (A) Thunder happens later (B) Rain blocks sound (C) Clouds reflect heat (D) Light travels faster than sound

38. A plant with weak stem climbs a support. Which is an example?

- (A) Coconut palm (B) Mango tree (C) Pea plant (D) Banyan tree

39. Which structure protects the brain?

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

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

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

SECTION III | ARITHMETIC | Questions 41-60

41. Find $342 + 179 - 39$.

- (A) 482 (B) 502 (C) 492 (D) 472

42. Each notebook costs Rs. 18. What is the cost of 14 notebooks?

- (A) Rs. 238 (B) Rs. 270 (C) Rs. 252 (D) Rs. 234

43. A tank is $\frac{2}{5}$ full. After 22 L is added, it is $\frac{3}{5}$ full. What is its capacity?

- (A) 100 L (B) 110 L (C) 130 L (D) 120 L

44. A rectangle has perimeter 58 cm and length 18 cm. What is its width?

- (A) 9 cm (B) 14 cm (C) 11 cm (D) 12 cm

45. A toy priced Rs. 320 has a 10% discount. Find its sale price.

- (A) Rs. 298 (B) Rs. 288 (C) Rs. 278 (D) Rs. 320

46. Find the LCM of 6 and 9.

- (A) 9 (B) 24 (C) 18 (D) 27



47. Find the HCF of 96 and 144.

(A) 48 (B) 24 (C) 54 (D) 96

48. The average of four numbers is 22. Three are 16, 22 and 27. Find the fourth.

(A) 21 (B) 27 (C) 23 (D) 25

49. A bus travels at 53 km per hour. How far does it go in 4 hours?

(A) 212 km (B) 202 km (C) 159 km (D) 265 km

50. A train starts at 7:15 a.m. and travels for 2 h 35 min. What time does it arrive? (Use the same 12-hour clock.)

(A) 9:40 (B) 9:50 (C) 10:10 (D) 10:00

51. A 28 m by 18 m field has a 1 m wide path INSIDE on every edge. Find the unpaved area.

(A) 504 sq m (B) 416 sq m (C) 444 sq m (D) 406 sq m

52. A number divided by 11 gives quotient 13 and remainder 3. Find the number.

(A) 146 (B) 157 (C) 143 (D) 147

53. 5 pens cost Rs. 75. What do 9 pens cost at the same rate?

(A) Rs. 144 (B) Rs. 126 (C) Rs. 135 (D) Rs. 90

54. A container holds 88 L. If $\frac{3}{8}$ is used, how much remains?

(A) 50 L (B) 55 L (C) 33 L (D) 60 L

55. Convert 8 L to millilitres.

(A) 8100 mL (B) 800 mL (C) 8000 mL (D) 80000 mL

56. Find 10% simple interest on Rs. 1600 for one year.

(A) Rs. 160 (B) Rs. 170 (C) Rs. 150 (D) Rs. 1440

57. A square tile has side 12 cm. What is its area?

(A) 156 sq cm (B) 144 sq cm (C) 48 sq cm (D) 132 sq cm

58. Three consecutive whole numbers sum to 78. What is the largest?

(A) 25 (B) 27 (C) 28 (D) 26

59. A price rises from Rs. 200 to Rs. 250. Find the percentage increase.

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

60. How many 250 mL cups can be filled from 9 L?

(A) 40 (B) 38 (C) 34 (D) 36

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

PASSAGE 1



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

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

64. What conclusion did the visitor reach?

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

65. Why compare two places?

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

PASSAGE 2

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

67. Who could reach only the lower shelf?

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

68. What was placed below?

(A) Broken chairs (B) Old boxes (C) Only newspapers (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) Books were easier to find (B) The shelf disappeared (C) The room became smaller (D) The books were hidden

PASSAGE 3

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

72. Where did the fruit peels go?

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

73. Why was burning rejected?

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

74. When did the group finish?

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

75. Which action shows safe hygiene?

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

PASSAGE 4

For a small science display, Farah 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. Farah 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) Plastic (C) Identical (D) Already grown

77. What was kept the same?

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

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) Using no observations (B) Making a guess only (C) Changing every condition (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
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 6

Each correct answer: 1.25 marks. Total: 100.

MENTAL ABILITY | 1-20

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

ENVIRONMENTAL STUDIES | 21-40

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

ARITHMETIC | 41-60

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

LANGUAGE (ENGLISH) | 61-80

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