

**KUMAR CLASSES****JNVST Class VI - Practice Paper 05**

Advanced practice set 05 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: 8, 17, 35, 71, 143, ____.

(A) 289 (B) 287 (C) 291 (D) 285

2. 7 is related to 50 as 9 is related to ____.

(A) 83 (B) 81 (C) 82 (D) 90

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

(A) TIFFQ (B) TIFFP (C) SIFFQ (D) SHEEP

4. A walker goes 7 km north, 8 km east, 7 km south and 5 km west. Where is the walker from the start?

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

5. Find the next term: 8, 12, 18, 26, 36, ____.

(A) 50 (B) 54 (C) 46 (D) 48

6. Asha is 10th from the left and 12th from the right. How many children are in the row?

(A) 21 (B) 22 (C) 19 (D) 20

7. Which number is NOT a perfect square?

(A) 325 (B) 225 (C) 289 (D) 256

8. If the first day of a month is Monday, what day is the 17th?

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

9. In each row the third number is the sum of the first two: (7, 8, 15); (8, 9, ____).

(A) 18 (B) 17 (C) 15 (D) 20

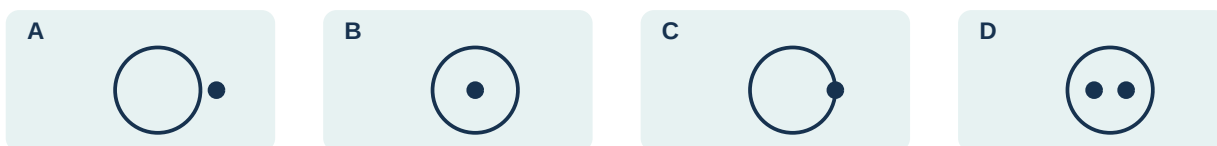
10. In a line, D is ahead of A, A ahead of B, and B ahead of C. Who is first among them?

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

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



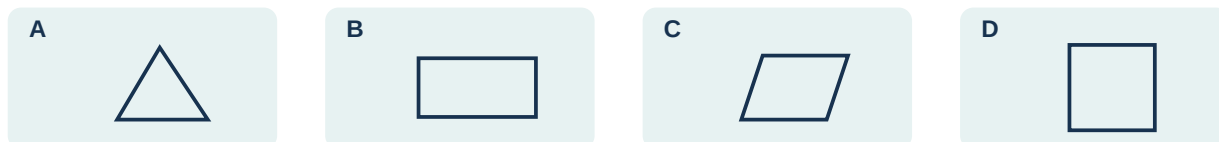
12. Which figure has one dot strictly INSIDE a circle?



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



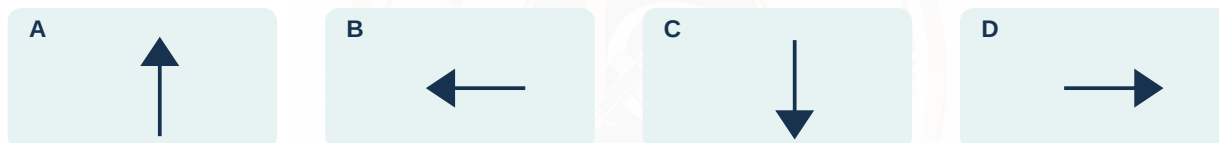
14. Which figure has exactly TWO axes of symmetry?



15. Which figure contains BOTH diagonals of a quadrilateral?



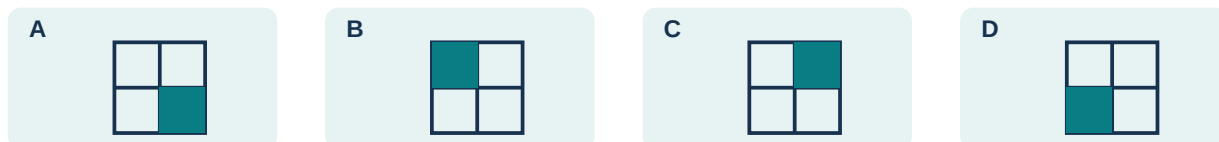
16. Which figure is a clockwise quarter-turn of an upward arrow?



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



18. Which figure shades the lower-right quarter?



19. Which shows a triangle completely inside a square?





20. Which shows a square enclosed by a triangle?



SECTION II | ENVIRONMENTAL STUDIES | Questions 21-40

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

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

22. Which simple action saves electricity?

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

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

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

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

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

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

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

26. Which method helps separate sand from water?

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

27. Why are earthworms helpful in a garden?

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

28. Why do we see lightning before hearing thunder?

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

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

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

30. Which structure protects the brain?

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

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

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

32. Which practice best protects drinking water?

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



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

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

34. Which material is attracted by a magnet?

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

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

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

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

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

37. A village plants trees on a bare slope. This most directly helps prevent ____.

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

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

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

39. A solar cooker works best on a ____ day.

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

40. What happens to most substances when heated?

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

SECTION III | ARITHMETIC | Questions 41-60

41. Find $325 + 170 - 38$.

(A) 447 (B) 477 (C) 457 (D) 467

42. Each notebook costs Rs. 17. What is the cost of 13 notebooks?

(A) Rs. 238 (B) Rs. 204 (C) Rs. 208 (D) Rs. 221

43. A tank is $\frac{2}{5}$ full. After 20 L is added, it is $\frac{3}{5}$ full. What is its capacity?

(A) 90 L (B) 120 L (C) 110 L (D) 100 L

44. A rectangle has perimeter 54 cm and length 17 cm. What is its width?

(A) 13 cm (B) 10 cm (C) 8 cm (D) 11 cm

45. A toy priced Rs. 300 has a 10% discount. Find its sale price.

(A) Rs. 280 (B) Rs. 300 (C) Rs. 260 (D) Rs. 270

46. Find the LCM of 10 and 12.

(A) 70 (B) 60 (C) 72 (D) 30



47. Find the HCF of 84 and 126.

(A) 42 (B) 21 (C) 84 (D) 48

48. The average of four numbers is 21. Three are 15, 21 and 26. Find the fourth.

(A) 26 (B) 24 (C) 22 (D) 20

49. A bus travels at 50 km per hour. How far does it go in 6 hours?

(A) 250 km (B) 290 km (C) 300 km (D) 350 km

50. A train starts at 9:10 a.m. and travels for 2 h 35 min. What time does it arrive? (Use the same 12-hour clock.)

(A) 11:55 (B) 11:35 (C) 11:45 (D) 12:05

51. A 26 m by 17 m field has a 1 m wide path INSIDE on every edge. Find the unpaved area.

(A) 350 sq m (B) 360 sq m (C) 442 sq m (D) 386 sq m

52. A number divided by 10 gives quotient 12 and remainder 3. Find the number.

(A) 124 (B) 120 (C) 123 (D) 133

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

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

54. A container holds 80 L. If $\frac{3}{8}$ is used, how much remains?

(A) 45 L (B) 55 L (C) 30 L (D) 50 L

55. Convert 7 L to millilitres.

(A) 7000 mL (B) 70000 mL (C) 7100 mL (D) 700 mL

56. Find 10% simple interest on Rs. 1500 for one year.

(A) Rs. 140 (B) Rs. 1350 (C) Rs. 150 (D) Rs. 160

57. A square tile has side 11 cm. What is its area?

(A) 110 sq cm (B) 132 sq cm (C) 121 sq cm (D) 44 sq cm

58. Three consecutive whole numbers sum to 75. What is the largest?

(A) 25 (B) 27 (C) 26 (D) 24

59. A price rises from Rs. 180 to Rs. 225. Find the percentage increase.

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

60. How many 250 mL cups can be filled from 8 L?

(A) 30 (B) 32 (C) 36 (D) 34

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

PASSAGE 1



Esha visited the schoolyard after a morning shower. The ground near the entrance was wet, but the path under a large tree was nearly dry. Esha drew both places in a camera. At home, Esha 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) At midnight (C) After a morning shower (D) During a drought

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 telephone (C) A camera (D) A newspaper

64. What conclusion did the visitor reach?

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

65. Why compare two places?

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

PASSAGE 2

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

67. Who could reach only the lower shelf?

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

68. What was placed below?

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

69. Who helped with the upper shelf?

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

70. What improved by the end of the week?

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

PASSAGE 3

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

72. Where did the fruit peels go?

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

73. Why was burning rejected?

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

74. When did the group finish?

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

75. Which action shows safe hygiene?

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

PASSAGE 4

For a small science display, Esha 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. Esha 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) Plastic (C) Different in size (D) Identical

77. What was kept the same?

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

78. Which condition differed?

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

79. What did the visitor avoid claiming?

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

80. What helps test an idea fairly?

(A) Changing one condition at a time (B) Changing every condition (C) Making a guess only (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 5

Each correct answer: 1.25 marks. Total: 100.

MENTAL ABILITY | 1-20

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

ENVIRONMENTAL STUDIES | 21-40

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

ARITHMETIC | 41-60

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

LANGUAGE (ENGLISH) | 61-80

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