

**KUMAR CLASSES****JNVST Class VI - Practice Paper 10**

Advanced practice set 10 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: 13, 27, 55, 111, 223, ____.

(A) 449 (B) 445 (C) 451 (D) 447

2. 7 is related to 50 as 14 is related to ____.

(A) 196 (B) 198 (C) 197 (D) 210

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

(A) DIBJR (B) DIBJS (C) CIBJS (D) CHAIR

4. A walker goes 12 km north, 13 km east, 12 km south and 10 km west. Where is the walker from the start?

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

5. Find the next term: 13, 17, 23, 31, 41, ____.

(A) 55 (B) 51 (C) 53 (D) 59

6. Asha is 15th from the left and 17th from the right. How many children are in the row?

(A) 32 (B) 31 (C) 29 (D) 30

7. Which number is NOT a perfect square?

(A) 484 (B) 400 (C) 441 (D) 530

8. If the first day of a month is Monday, what day is the 22th?

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

9. In each row the third number is the sum of the first two: (12, 13, 25); (13, 14, ____).

(A) 25 (B) 30 (C) 27 (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) D (B) C (C) B (D) A

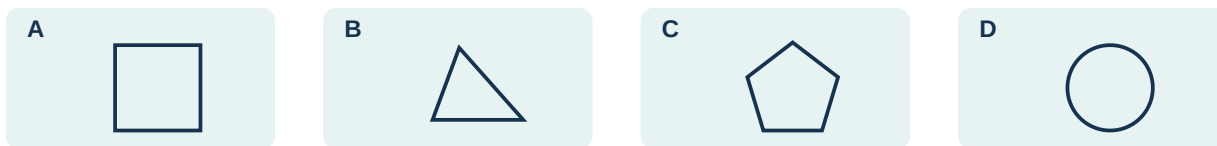
11. Which is a half-turn of the shaded TOP-LEFT quarter?



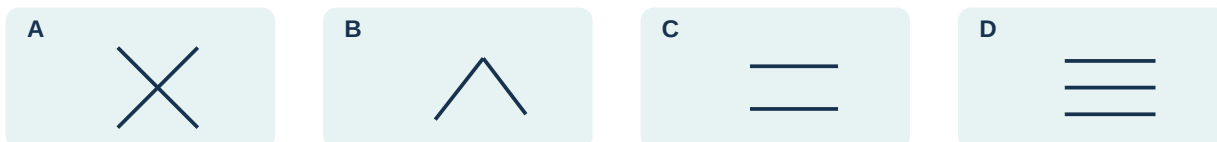
12. Which shows exactly two parallel straight lines?



13. Which figure has five sides?



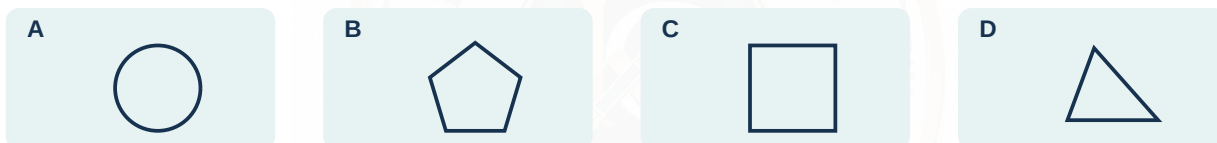
14. Which figure shows exactly three parallel lines?



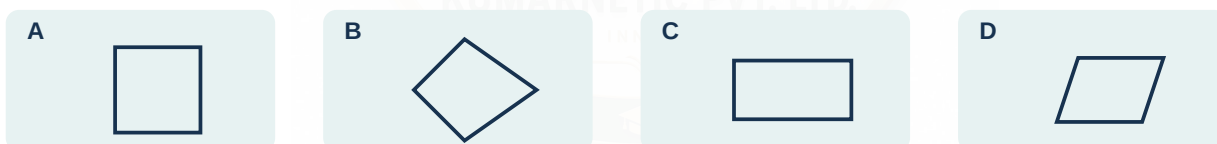
15. Which figure is an anticlockwise quarter-turn of a right arrow?



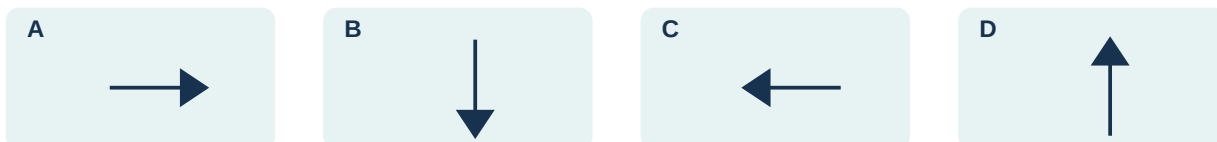
16. Which figure has exactly THREE sides?



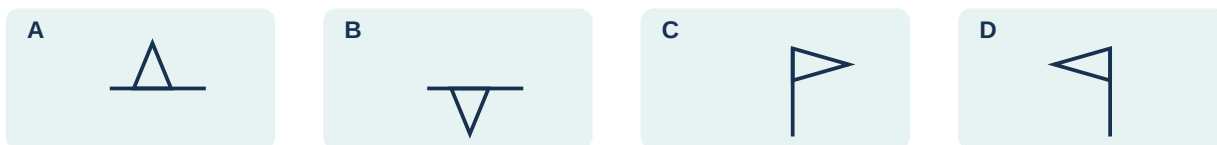
17. Which figure has exactly ONE axis of symmetry and four sides?



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

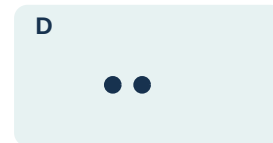


19. Which figure is the mirror image of a right-facing flag?





20. Which figure shows four dots?



SECTION II | ENVIRONMENTAL STUDIES | Questions 21-40

21. Which is the safest way to cross a busy road?

(A) Use a zebra crossing and check traffic (B) Run anywhere (C) Cross while looking at a phone (D) Follow a vehicle closely

22. What mainly causes day and night?

(A) Clouds moving (B) Moon rotating (C) Seasons changing (D) Earth rotating on its axis

23. When a metal spoon rests in hot soup, its handle becomes warm. This is mainly ____.

(A) conduction (B) condensation (C) reflection (D) evaporation

24. A steel nail rusts faster in which condition?

(A) Coated with oil (B) Dry sealed jar (C) Moist air (D) Vacuum

25. A person breathes faster after running because muscles need more ____.

(A) plastic (B) soil (C) sunlight (D) oxygen

26. Which object lets most light pass through it?

(A) Clear glass (B) Wood (C) Cardboard (D) Brick

27. What do decomposers do in nature?

(A) Break down dead matter (B) Produce sunlight (C) Stop rainfall (D) Make rocks fly

28. Which resource takes millions of years to form?

(A) Wind (B) Flowing water (C) Coal (D) Sunlight

29. The Moon appears to shine because it ____.

(A) burns gas (B) makes its own light (C) stores electricity (D) reflects sunlight

30. Which instrument measures air temperature?

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

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

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

32. Which animal is mainly active at night?

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



33. Which disease can be spread by mosquitoes?

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

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

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

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

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

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

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

37. Why do farmers rotate crops?

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

38. Which practice reduces soil erosion on hills?

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

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

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

40. What is the best way to conserve groundwater?

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

SECTION III | ARITHMETIC | Questions 41-60

41. Find $410 + 215 - 43$.

- (A) 602 (B) 582 (C) 592 (D) 572

42. Each notebook costs Rs. 22. What is the cost of 18 notebooks?

- (A) Rs. 396 (B) Rs. 378 (C) Rs. 418 (D) Rs. 374

43. A tank is $\frac{2}{5}$ full. After 30 L is added, it is $\frac{3}{5}$ full. What is its capacity?

- (A) 170 L (B) 150 L (C) 160 L (D) 140 L

44. A rectangle has perimeter 74 cm and length 22 cm. What is its width?

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

45. A toy priced Rs. 400 has a 10% discount. Find its sale price.

- (A) Rs. 370 (B) Rs. 360 (C) Rs. 350 (D) Rs. 400

46. Find the LCM of 8 and 9.

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



47. Find the HCF of 144 and 216.

(A) 36 (B) 72 (C) 144 (D) 78

48. The average of four numbers is 26. Three are 20, 26 and 31. Find the fourth.

(A) 27 (B) 29 (C) 31 (D) 25

49. A bus travels at 65 km per hour. How far does it go in 5 hours?

(A) 315 km (B) 390 km (C) 260 km (D) 325 km

50. A train starts at 8:10 a.m. and travels for 2 h 35 min. What time does it arrive? (Use the same 12-hour clock.)

(A) 10:55 (B) 10:35 (C) 10:45 (D) 11:05

51. A 36 m by 22 m field has a 1 m wide path INSIDE on every edge. Find the unpaved area.

(A) 792 sq m (B) 670 sq m (C) 680 sq m (D) 716 sq m

52. A number divided by 15 gives quotient 17 and remainder 3. Find the number.

(A) 258 (B) 255 (C) 273 (D) 259

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

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

54. A container holds 120 L. If $\frac{3}{8}$ is used, how much remains?

(A) 70 L (B) 45 L (C) 75 L (D) 80 L

55. Convert 12 L to millilitres.

(A) 12100 mL (B) 12000 mL (C) 1200 mL (D) 120000 mL

56. Find 10% simple interest on Rs. 2000 for one year.

(A) Rs. 190 (B) Rs. 210 (C) Rs. 200 (D) Rs. 1800

57. A square tile has side 16 cm. What is its area?

(A) 64 sq cm (B) 240 sq cm (C) 256 sq cm (D) 272 sq cm

58. Three consecutive whole numbers sum to 90. What is the largest?

(A) 32 (B) 29 (C) 31 (D) 30

59. A price rises from Rs. 280 to Rs. 350. Find the percentage increase.

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

60. How many 250 mL cups can be filled from 13 L?

(A) 52 (B) 50 (C) 54 (D) 56

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

PASSAGE 1



Jaya visited the hill after a morning shower. The ground near the entrance was wet, but the path under a large tree was nearly dry. Jaya drew both places in a sketchbook. At home, Jaya 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) Before sunrise (C) After a morning shower (D) At midnight

62. Which path was nearly dry?

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

63. What was used to record the observation?

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

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

PASSAGE 2

At the community reading corner, Jaya 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, Jaya 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 upper shelf (D) The lower shelf

67. Who could reach only the lower shelf?

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

68. What was placed below?

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

69. Who helped with the upper shelf?

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

70. What improved by the end of the week?

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

PASSAGE 3

Jaya and friends planned to clean a path beside the hill. 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) A helmet (C) Gloves (D) A mask only

72. Where did the fruit peels go?

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

73. Why was burning rejected?

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

74. When did the group finish?

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

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, Jaya 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. Jaya 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 window position (B) The amount of water (C) The pot colour only (D) The amount of sunlight

78. Which condition differed?

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

79. What did the visitor avoid claiming?

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

80. What helps test an idea fairly?

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



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 10

Each correct answer: 1.25 marks. Total: 100.

MENTAL ABILITY | 1-20

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

ENVIRONMENTAL STUDIES | 21-40

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

ARITHMETIC | 41-60

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

LANGUAGE (ENGLISH) | 61-80

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