

**KUMAR CLASSES****JNVST Class VI - Practice Paper 02**

Advanced practice set 02 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: 5, 11, 23, 47, 95, ____.

(A) 195 (B) 191 (C) 189 (D) 193

2. 7 is related to 50 as 6 is related to ____.

(A) 36 (B) 37 (C) 42 (D) 38

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

(A) CLOUD (B) DMPVD (C) CMPVE (D) DMPVE

4. A walker goes 4 km north, 5 km east, 4 km south and 2 km west. Where is the walker from the start?

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

5. Find the next term: 5, 9, 15, 23, 33, ____.

(A) 45 (B) 47 (C) 51 (D) 43

6. Asha is 7th from the left and 9th from the right. How many children are in the row?

(A) 14 (B) 16 (C) 13 (D) 15

7. Which number is NOT a perfect square?

(A) 169 (B) 144 (C) 226 (D) 196

8. If the first day of a month is Monday, what day is the 14th?

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

9. In each row the third number is the sum of the first two: (4, 5, 9); (5, 6, ____).

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

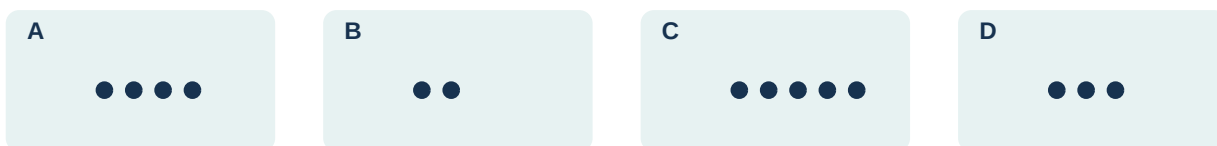
10. In a line, D is ahead of A, A ahead of B, and B ahead of C. Who is first among them?

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

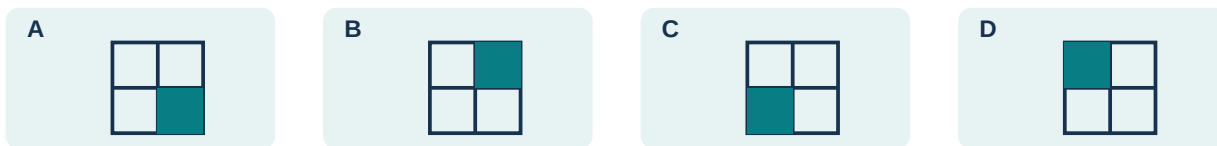
11. Which figure is the mirror image of a right-facing flag?



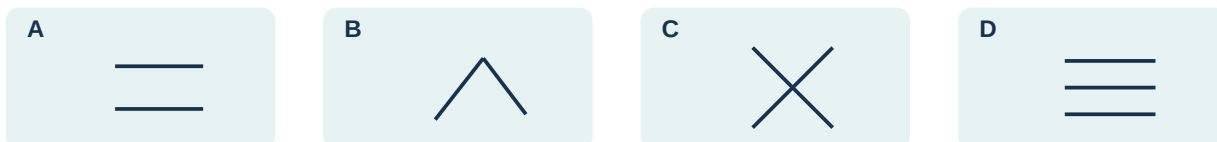
12. Which figure shows four dots?



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



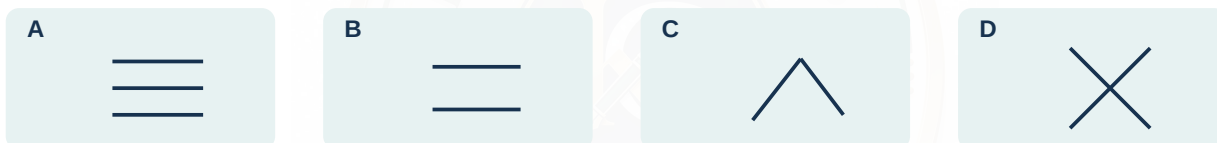
14. Which shows exactly two parallel straight lines?



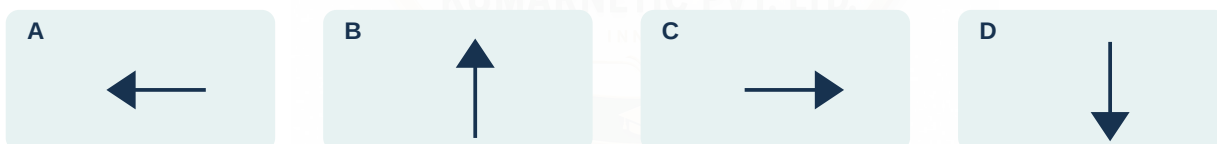
15. Which figure has five sides?



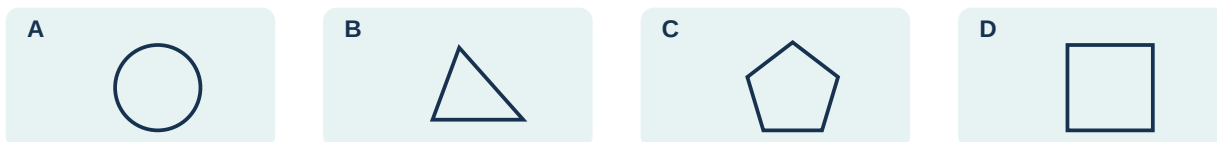
16. Which figure shows exactly three parallel lines?



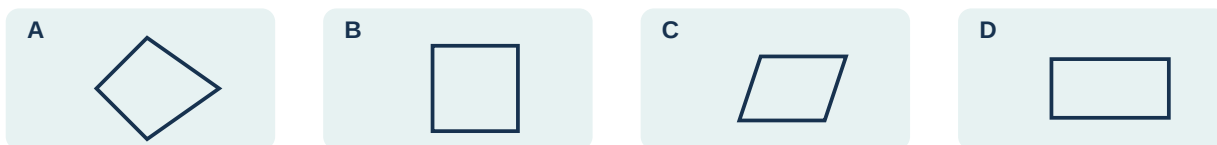
17. Which figure is an anticlockwise quarter-turn of a right arrow?



18. Which figure has exactly THREE sides?



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





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



SECTION II | ENVIRONMENTAL STUDIES | Questions 21-40

21. Why can a duck float more easily than a stone of similar size?

(A) Water is solid (B) Its overall density is lower (C) It produces electricity (D) It has no mass

22. Which of these is a conductor of electricity?

(A) Plastic ruler (B) Rubber band (C) Dry wood (D) Copper wire

23. Which part of a flower develops into a fruit?

(A) Stem (B) Ovary (C) Root (D) Petal

24. Which pair represents a habitat and its animal?

(A) Forest - shark (B) Ocean - camel (C) Pond - fish (D) Desert - polar bear

25. Which stage comes immediately after an egg in a butterfly life cycle?

(A) Pupa (B) Adult butterfly (C) Caterpillar (D) Seed

26. A bar magnet has the strongest attraction near its ____.

(A) middle only (B) poles (C) string (D) paint

27. Which adaptation helps a camel in a dry region?

(A) Gills (B) Dense polar fur (C) Webbed feet (D) Ability to survive with limited water

28. A shadow is usually shortest around ____.

(A) sunset (B) sunrise (C) midday (D) midnight

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

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

30. What mainly causes day and night?

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

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

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

32. A steel nail rusts faster in which condition?

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



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

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

34. Which object lets most light pass through it?

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

35. What do decomposers do in nature?

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

36. Which resource takes millions of years to form?

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

37. The Moon appears to shine because it ____.

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

38. Which instrument measures air temperature?

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

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

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

40. Which animal is mainly active at night?

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

SECTION III | ARITHMETIC | Questions 41-60

41. Find $274 + 143 - 35$.

(A) 402 (B) 382 (C) 372 (D) 392

42. Each notebook costs Rs. 14. What is the cost of 10 notebooks?

(A) Rs. 126 (B) Rs. 154 (C) Rs. 130 (D) Rs. 140

43. A tank is $\frac{2}{5}$ full. After 14 L is added, it is $\frac{3}{5}$ full. What is its capacity?

(A) 70 L (B) 60 L (C) 90 L (D) 80 L

44. A rectangle has perimeter 42 cm and length 14 cm. What is its width?

(A) 8 cm (B) 7 cm (C) 5 cm (D) 10 cm

45. A toy priced Rs. 240 has a 10% discount. Find its sale price.

(A) Rs. 216 (B) Rs. 240 (C) Rs. 226 (D) Rs. 206

46. Find the LCM of 10 and 9.

(A) 45 (B) 90 (C) 99 (D) 100



47. Find the HCF of 48 and 72.

(A) 24 (B) 48 (C) 12 (D) 30

48. The average of four numbers is 18. Three are 12, 18 and 23. Find the fourth.

(A) 17 (B) 19 (C) 21 (D) 23

49. A bus travels at 41 km per hour. How far does it go in 6 hours?

(A) 205 km (B) 246 km (C) 287 km (D) 236 km

50. A train starts at 9:20 a.m. and travels for 2 h 35 min. What time does it arrive? (Use the same 12-hour clock.)

(A) 11:45 (B) 12:15 (C) 12:05 (D) 11:55

51. A 20 m by 14 m field has a 1 m wide path INSIDE on every edge. Find the unpaved area.

(A) 236 sq m (B) 280 sq m (C) 216 sq m (D) 206 sq m

52. A number divided by 7 gives quotient 9 and remainder 3. Find the number.

(A) 66 (B) 63 (C) 73 (D) 67

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

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

54. A container holds 56 L. If $\frac{3}{8}$ is used, how much remains?

(A) 30 L (B) 35 L (C) 21 L (D) 40 L

55. Convert 4 L to millilitres.

(A) 4000 mL (B) 400 mL (C) 40000 mL (D) 4100 mL

56. Find 10% simple interest on Rs. 1200 for one year.

(A) Rs. 130 (B) Rs. 110 (C) Rs. 120 (D) Rs. 1080

57. A square tile has side 8 cm. What is its area?

(A) 72 sq cm (B) 32 sq cm (C) 56 sq cm (D) 64 sq cm

58. Three consecutive whole numbers sum to 66. What is the largest?

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

59. A price rises from Rs. 120 to Rs. 150. Find the percentage increase.

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

60. How many 250 mL cups can be filled from 5 L?

(A) 24 (B) 18 (C) 20 (D) 22

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

PASSAGE 1



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

62. Which path was nearly dry?

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

63. What was used to record the observation?

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

64. What conclusion did the visitor reach?

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

65. Why compare two places?

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

PASSAGE 2

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

67. Who could reach only the lower shelf?

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

68. What was placed below?

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

PASSAGE 3

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

72. Where did the fruit peels go?

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

73. Why was burning rejected?

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

74. When did the group finish?

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

75. Which action shows safe hygiene?

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

PASSAGE 4

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

77. What was kept the same?

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

78. Which condition differed?

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

79. What did the visitor avoid claiming?

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

80. What helps test an idea fairly?

(A) Making a guess only (B) Changing every condition (C) Using no observations (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 2

Each correct answer: 1.25 marks. Total: 100.

MENTAL ABILITY | 1-20

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

ENVIRONMENTAL STUDIES | 21-40

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

ARITHMETIC | 41-60

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

LANGUAGE (ENGLISH) | 61-80

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