



KUMAR CLASSES

JNVST Class VI - Practice Paper 08

Advanced practice set 08 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: 11, 23, 47, 95, 191, ____.

(A) 385 (B) 387 (C) 383 (D) 381

2. 7 is related to 50 as 12 is related to ____.

(A) 146 (B) 144 (C) 156 (D) 145

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

(A) BRICK (B) CSJDL (C) BSJDL (D) CSJDK

4. A walker goes 10 km north, 11 km east, 10 km south and 8 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: 11, 15, 21, 29, 39, ____.

(A) 53 (B) 57 (C) 51 (D) 49

6. Asha is 13th from the left and 15th from the right. How many children are in the row?

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

7. Which number is NOT a perfect square?

(A) 324 (B) 400 (C) 361 (D) 442

8. If the first day of a month is Monday, what day is the 20th?

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

9. In each row the third number is the sum of the first two: (10, 11, 21); (11, 12, ____).

(A) 26 (B) 24 (C) 21 (D) 23

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 is a half-turn of an upward arrow?



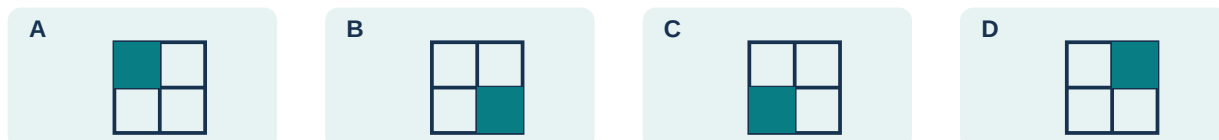
12. Which figure is the mirror image of a right-facing flag?



13. Which figure shows four dots?



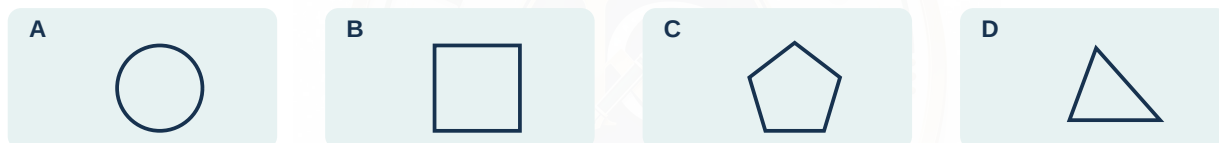
14. Which is a half-turn of the shaded TOP-LEFT quarter?



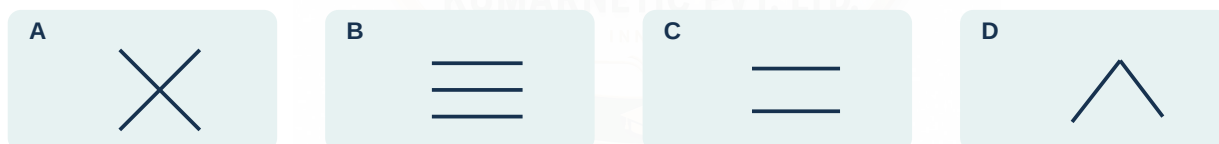
15. Which shows exactly two parallel straight lines?



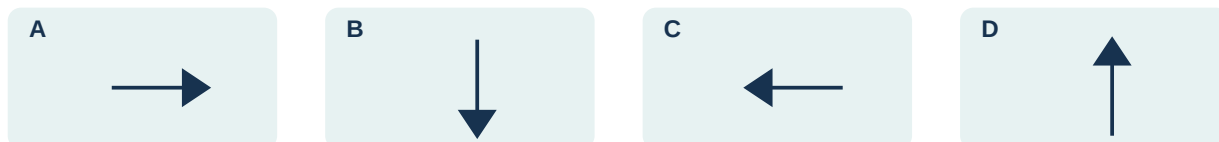
16. Which figure has five sides?



17. Which figure shows exactly three parallel lines?



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

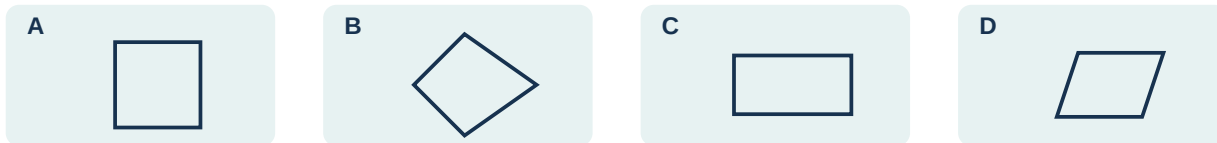


19. Which figure has exactly THREE sides?





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



SECTION II | ENVIRONMENTAL STUDIES | Questions 21-40

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

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

22. What is the best way to conserve groundwater?

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

23. Which gas is needed for most burning?

- (A) Oxygen (B) Carbon dioxide (C) Nitrogen (D) Helium

24. Where does digestion begin?

- (A) Mouth (B) Large intestine (C) Heart (D) Lung

25. Which is a renewable source of energy?

- (A) Petrol (B) Diesel (C) Sunlight (D) Coal

26. A food chain begins with a ____.

- (A) scavenger (B) producer (C) carnivore (D) decomposer

27. Which of these is biodegradable?

- (A) Aluminium can (B) Banana peel (C) Glass bottle (D) Plastic wrapper

28. A shadow changes direction during the day mainly because ____.

- (A) Moon changes colour (B) wind pushes the shadow (C) object becomes smaller (D) Earth rotates and the Sun appears to move

29. A flower is covered with a fine net that keeps insects away. It may form fewer fruits because ____.

- (A) roots stop growing (B) pollination may be reduced (C) air contains no oxygen (D) soil becomes dry

30. 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

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

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

32. Which material is best for a raincoat?

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



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

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

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

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

35. How can a community reduce mosquito breeding?

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

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

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

37. A rain gauge measures ____.

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

38. Why do we boil water before drinking it?

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

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

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

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

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

SECTION III | ARITHMETIC | Questions 41-60

41. Find $376 + 197 - 41$.

(A) 532 (B) 522 (C) 552 (D) 542

42. Each notebook costs Rs. 20. What is the cost of 16 notebooks?

(A) Rs. 304 (B) Rs. 340 (C) Rs. 320 (D) Rs. 300

43. A tank is $\frac{2}{5}$ full. After 26 L is added, it is $\frac{3}{5}$ full. What is its capacity?

(A) 130 L (B) 150 L (C) 140 L (D) 120 L

44. A rectangle has perimeter 66 cm and length 20 cm. What is its width?

(A) 11 cm (B) 16 cm (C) 13 cm (D) 14 cm

45. A toy priced Rs. 360 has a 10% discount. Find its sale price.

(A) Rs. 334 (B) Rs. 324 (C) Rs. 314 (D) Rs. 360

46. Find the LCM of 10 and 9.

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



47. Find the HCF of 120 and 180.

(A) 120 (B) 60 (C) 30 (D) 66

48. The average of four numbers is 24. Three are 18, 24 and 29. Find the fourth.

(A) 25 (B) 29 (C) 27 (D) 23

49. A bus travels at 59 km per hour. How far does it go in 6 hours?

(A) 354 km (B) 344 km (C) 413 km (D) 295 km

50. A train starts at 9:25 a.m. and travels for 2 h 35 min. What time does it arrive? (Use the same 12-hour clock.)

(A) 12:20 (B) 12:00 (C) 11:50 (D) 12:10

51. A 32 m by 20 m field has a 1 m wide path INSIDE on every edge. Find the unpaved area.

(A) 530 sq m (B) 640 sq m (C) 572 sq m (D) 540 sq m

52. A number divided by 13 gives quotient 15 and remainder 3. Find the number.

(A) 199 (B) 195 (C) 211 (D) 198

53. 3 pens cost Rs. 45. What do 7 pens cost at the same rate?

(A) Rs. 105 (B) Rs. 98 (C) Rs. 112 (D) Rs. 60

54. A container holds 104 L. If $\frac{3}{8}$ is used, how much remains?

(A) 60 L (B) 39 L (C) 70 L (D) 65 L

55. Convert 10 L to millilitres.

(A) 100000 mL (B) 1000 mL (C) 10000 mL (D) 10100 mL

56. Find 10% simple interest on Rs. 1800 for one year.

(A) Rs. 190 (B) Rs. 1620 (C) Rs. 170 (D) Rs. 180

57. A square tile has side 14 cm. What is its area?

(A) 196 sq cm (B) 182 sq cm (C) 210 sq cm (D) 56 sq cm

58. Three consecutive whole numbers sum to 84. What is the largest?

(A) 29 (B) 30 (C) 28 (D) 27

59. A price rises from Rs. 240 to Rs. 300. Find the percentage increase.

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

60. How many 250 mL cups can be filled from 11 L?

(A) 46 (B) 44 (C) 42 (D) 48

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

PASSAGE 1



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

62. Which path was nearly dry?

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

63. What was used to record the observation?

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

64. What conclusion did the visitor reach?

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

65. Why compare two places?

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

PASSAGE 2

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

67. Who could reach only the lower shelf?

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

68. What was placed below?

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

69. Who helped with the upper shelf?

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

70. What improved by the end of the week?

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

PASSAGE 3

Hema and friends planned to clean a path beside the orchard. 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 a fire (B) Into the pond (C) Into the compost bag (D) Into the paper bag

73. Why was burning rejected?

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

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

PASSAGE 4

For a small science display, Hema 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. Hema 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 amount of sunlight (C) The window position (D) The pot colour only

78. Which condition differed?

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

79. What did the visitor avoid claiming?

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

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 8

Each correct answer: 1.25 marks. Total: 100.

MENTAL ABILITY | 1-20

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

ENVIRONMENTAL STUDIES | 21-40

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

ARITHMETIC | 41-60

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

LANGUAGE (ENGLISH) | 61-80

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