

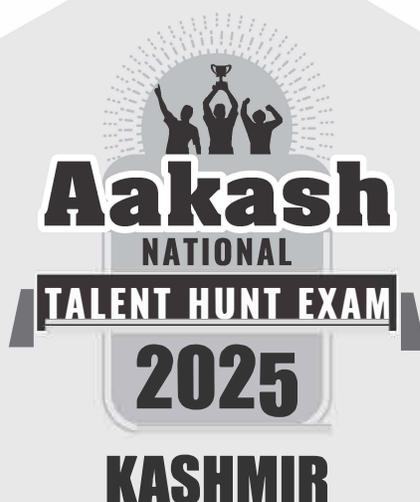
Sample Paper

FOUNDATIONS



Aakash

Medical | IIT-JEE | Foundations



(Class V Studying Moving to Class VI)

Science, Mathematics & Mental Ability

INSTRUCTIONS FOR CANDIDATE

1. Duration of Test is 1 hr.
2. The Test Booklet consists of **40** questions. The maximum marks are **80**. There is **no negative marking** for wrong answer.
3. Pattern of the questions are as under:
 - (i) The question paper consists of **three parts i.e., Science, Mathematics and Mental Ability**. Each question carries **+2 marks** for correct answer.
 - (ii) All questions are of single correct answer type.

Aakash National Talent Hunt Exam (Kashmir)-2025

Sample Paper

(Class V Studying Moving to Class VI)

(The questions given in sample paper are indicative of the level and pattern of questions that will be asked in ANTHE (Kashmir)-2025)

Time : 1 Hour

MM : 80

SCIENCE

There are 21 multiple choice questions in Science. Each question has 4 choices (1), (2), (3) and (4) out of which **ONLY ONE** choice is correct.

- What advantage do double layered plastic sheets have for the tent while camping in the snow?
 - It makes the tent lighter to carry
 - It creates air space which helps keep it warm
 - It makes the tent heavier, which helps it stay steady
 - It gives more room to store things
- Based on the two statements given below choose the correct option.

Statement-1: Bachendri Pal was the first Indian woman to reach the peak of Mount Everest.

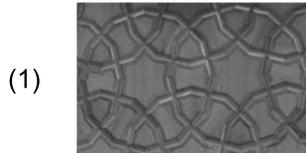
Statement-2: Brigadier Gyan Singh was the guide of Bachendri Pal.

 - Only statement-1 is correct
 - Only statement-2 is correct
 - Both the statement-1 and statement-2 are correct
 - Both the statement-1 and statement-2 are incorrect
- A shining object which seems to be moving with a constant speed in the sky can be a
 - Satellite
 - Meteorite
 - Shooting star
 - Moon
- What answer did Sunita Williams give to a child when she was asked that what would she like to do in the future?
 - I want to become a doctor
 - I want to become an engineer
 - I want to become a school teacher
 - I want to become a lawyer

5. The houses in Jammu are made up of

- (1) Cement, brick and steel
- (2) Mud and stone
- (3) Thick tree trunks
- (4) Mud and wood

6. Which among the following represents a donga?



7. The place where changpas keep their sheep and goat is known as

- (1) Rebo
- (2) Donga
- (3) Dab
- (4) Lekha

8. Which of the following is not obtained by refining of petroleum?

- (1) Diesel
- (2) LPG
- (3) Grease
- (4) Coal

9. More than a thousand years ago, Al-Biruni came to India from

- (1) Afghanistan
- (2) Iran
- (3) Uzbekistan
- (4) Egypt

10. Consider the given box

Lakes, river, johads, ponds, stepwell, spring

The total number of systems developed by people to collect rain water is

- (1) 4
- (2) 3
- (3) 5
- (4) 2

11. Which of the following substances will not dissolve on mixing in water?

- (1) Salt
- (2) Oil
- (3) Sugar
- (4) Milk

12. Consider the following objects

- (i) An empty plastic bottle with closed lid
- (ii) A piece of ice
- (iii) An iron nail
- (iv) A match stick
- (v) A needle
- (vi) A wooden boat

Which of the given objects will not sink in water?

- (1) (i), (ii) and (iii)
- (2) (iii), (iv) and (v)
- (3) (i), (ii) and (v)
- (4) (i), (ii), (iv) and (vi)

13. There are total x gates and y bastions in the outer wall of Golconda fort. x and y respectively are

- (1) 8 and 56
- (2) 9 and 87
- (3) 10 and 47
- (4) 9 and 110

14. Consider the following statements.

- I. A tiger's sense of hearing is very sharp.
- II. A tiger can see six times better at night than human beings.
- III. A tiger's roar can be heard upto 5 kilometers.
- IV. The tiger's whiskers are very sensitive and can sense vibrations in the air.

The correct statements are

- (1) Only II and III
- (2) Only III and IV
- (3) I, II and IV
- (4) I, II and III

15. In Kalbelia dance, the movements are similar to the dance of
- (1) Flies
 - (2) Mosquitoes
 - (3) Fishes
 - (4) Snakes
16. Afai is a
- (1) Non-poisonous snake
 - (2) Poisonous snake
 - (3) Tailless snake
 - (4) Fang-less snake
17. According to Dr. Beaumont's observations, the time taken by raw eggs for digestion in stomach is about
- (1) 4 hours
 - (2) 3 hours
 - (3) 4 hours 15 minutes
 - (4) 1 hour 30 minutes
18. Dhania could be kept fresh for 1-2 days by
- (1) Wrapping it in a damp cloth
 - (2) Keeping it in a dry open place
 - (3) Keeping it in a bowl of hot water
 - (4) Boiling it
19. Select the **incorrect** statement regarding the preventive measures for malaria.
- (1) Using mosquito nets
 - (2) Keeping water pots, coolers filled with water for long time
 - (3) Spraying kerosene, if water gets collected at some places
 - (4) Don't let water collect around the house
20. **Statement-I:** The pitcher plant has a special smell that attracts insects to it.
Statement-II: *Nepenthes* traps and eats insects and mice.
- Consider the above given statements and choose the correct option.
- (1) Only statement-I is correct
 - (2) Only statement-II is correct
 - (3) Both the statements are correct
 - (4) Both the statements are incorrect

21. Select the **incorrect** match.

	Plants		Places of origin
(1)	Green chilli	–	South America
(2)	Potato	–	Europe
(3)	Cabbage	–	Europe
(4)	Coffee bean	–	Africa

MATHEMATICS

There are 11 multiple choice questions in Mathematics. Each question has 4 choices (1), (2), (3) and (4) out of which **ONLY ONE** choice is correct.

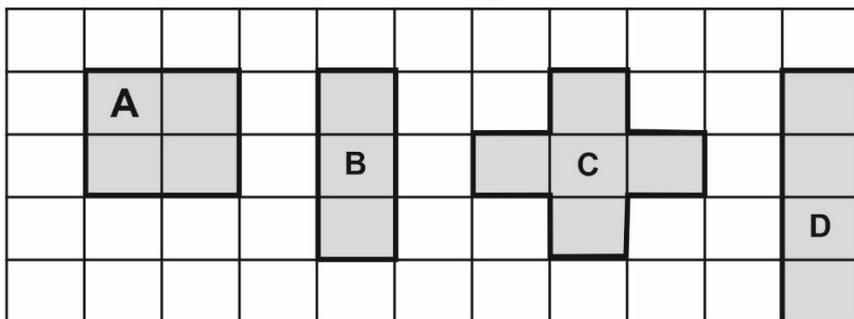
22. Hemant took a loan of ₹8000 to buy a net. He paid back ₹690 every month for one year. The money he pays back to the bank is

- (1) ₹8280
- (2) ₹8000
- (3) ₹8200
- (4) ₹8420

23. Degree measure of an angle which is $\frac{1}{5}$ of a right angle is

- (1) 36°
- (2) 72°
- (3) 18°
- (4) 90°

24. Look at the picture, A, B, C and D represent stamps.



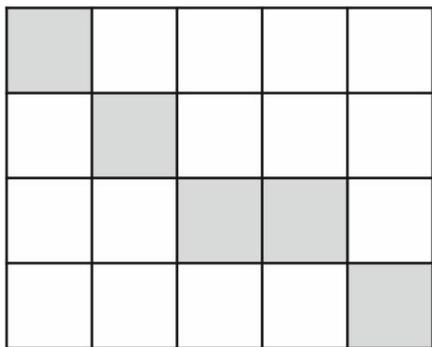
The stamp which has biggest area is

- (1) A
- (2) B
- (3) C
- (4) D

25. Two-fifth of 200 is equal to

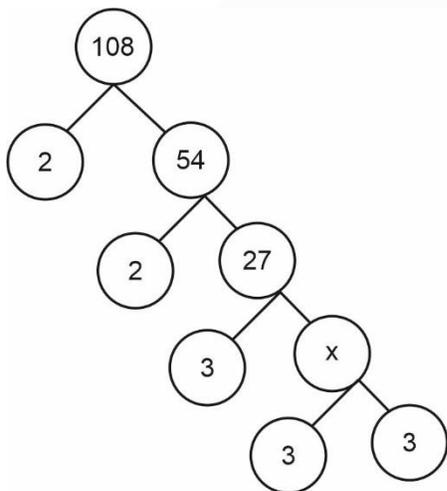
- (1) 40
- (2) 80
- (3) $\frac{2}{5}$
- (4) 200

26. What part of the shape is coloured?



- (1) $\frac{1}{5}$
- (2) $\frac{1}{4}$
- (3) $\frac{1}{2}$
- (4) $\frac{4}{5}$

27. Look at the factor tree



The value of x is

- (1) 3
- (2) 2
- (3) 18
- (4) 9

28. Next number in pattern is

29, 41, 53, 65, _____

- (1) 77
- (2) 76
- (3) 78
- (4) 79

29. The number of English alphabet (capital alphabets) which look the same after half a turn are

- (1) 5
- (2) 6
- (3) 7
- (4) 8

30. Largest two digit number which is common multiple of 12 and 16 is

- (1) 98
- (2) 96
- (3) 90
- (4) 48

31. The perimeter of a rectangle with length 6 units and breadth 4 units is x unit, then common factor of x and 45 can be

- (1) 2
- (2) 6
- (3) 9
- (4) 5

32. If cost of 2 kg of fish is ₹30 then cost of $3\frac{1}{2}$ kg of fish is

- (1) ₹47.50
- (2) ₹50
- (3) ₹54.75
- (4) ₹52.50

MENTAL ABILITY

There are 8 multiple choice questions in Mental Ability. Each question has 4 choices (1), (2), (3) and (4) out of which **ONLY ONE** choice is correct.

33. Find the next term.

3, 6, 18, 72, ?

- (1) 250
- (2) 360
- (3) 420
- (4) 350

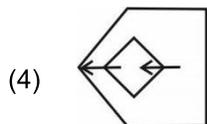
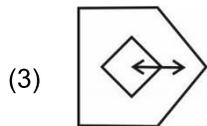
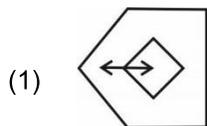
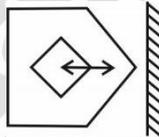
34. If Taj Mahal is related to Agra, then Qutub Minar is related to

- (1) Faizabad
- (2) Varanasi
- (3) Delhi
- (4) Prayagraj

35. Rank of Raman is 14th from left end and 16th from right end in a row. How many total people are in the row?

- (1) 31
- (2) 28
- (3) 30
- (4) 29

36. Choose the correct mirror image.



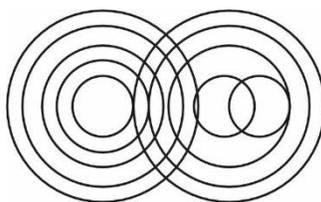
37. Ankit walks 15 m towards south. He turns right and walks 10 m. Then, turn his left and walk 12 m. How much distance does he cover?

- (1) 36 m
- (2) 42 m
- (3) 35 m
- (4) 37 m

38. If SOURCE is coded as 81 and DISTANCE is coded as 75. Then, how CREATION is coded?

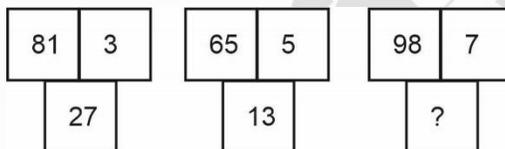
- (1) 86
- (2) 85
- (3) 84
- (4) 89

39. Count the total number of circles in the given figure.



- (1) 8
- (2) 9
- (3) 10
- (4) 12

40. Find the missing number.



- (1) 14
- (2) 13
- (3) 12
- (4) 16



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2024

161 Classroom Students
Aakashians Qualified

in RMO
2024-25

420 Classroom Students
Aakashians Qualified

in NSEs
2024-25

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Aakashians Qualified

for OCSCs/IMOTC
/APMO 2024-25

4902 Classroom Students
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in NSO (Level-I)
2024-25