

Students of Class VI, VII, VIII, IX, X and XI & XII (Science)

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SAMPLE TEST PAPER
for
CLASS VII

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INSTRUCTIONS

Time duration: 1:00 hours. (Time of OMR filling is included in time duration).

Maximum Marks: 120

This Paper contains 30 questions divided in two sections

Section-A **Mental Aptitude** **10 questions** **40 marks**

Section-B **Scholastic Aptitude** **20 questions** **80 marks**

Each Question has a single correct answer. There is **NEGATIVE MARKING** for wrong answers.

Marking Scheme:

+4 marks for correct answer; -1 mark for incorrect answer

SECTION-A (MAT)
MENTAL APTITUDE

Directions Q.No.1 : Find the missing term in each of the following series :

1. 0, 6, 24, 60, 120, 210, ?

(a) 240

(b) 290

(c) 336

(d) 504

Directions : Q. No. 2 to 4 In each of the following questions, a number series is given with one term missing. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

2. 4, 7, 12, 19, 28, ?

(a) 30

(b) 36

(c) 39

(d) 49

3. 6, 12, 21, ?, 48

(a) 33

(b) 38

(c) 40

(d) 45

4. 1, 1, 4, 8, 9, 27, 16, ?

(a) 32

(b) 64

(c) 81

(d) 256

Directions : In questions from 5 to 7 , there is a certain relationship between two given words on one side of :: and one word is given on another side of :: while another word is to be found from the given alternatives, having the same relation with this word as the words of the given pair bear. Choose the correct alternative.

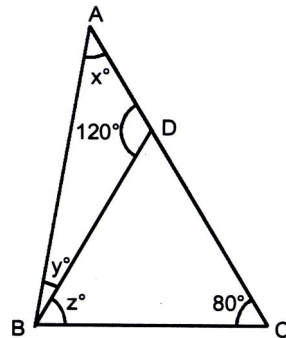
5. Dog : Bark :: Goat : ?
(a) Bleat (b) Howl (c) Grunt (d) Bray
6. Fire : Ashes :: Explosion : ?
(a) Flame (b) Death (c) Sound (d) Debris
7. Ottawa : Canada :: Canberra : ?
(a) Argentina (b) Switzerland (c) Sri Lanka (d) Australia

Directions : In questions 8 & 9, four words have been given, out of which three are alike in some manner and the fourth one is different. Choose out the odd one.

8. (a) Goat (b) Puppy (c) Cow (d) Buffalo
9. (a) Eye (b) Ear (c) Nose (d) Brain
10. If FISH is written as EHRG in a certain code, how would JUNGLE be written in that code?
(a) ITMFKD (b) ITNFKD (c) KVOHMF (d) TIMFKD

SECTION-B (SAT)
SCHOLASTIC APTITUDE TEST

11. The point of concurrence of three medians of a triangle is called :
(a) incentre (b) centroid (c) orthocentre (d) none of these
12. In the given figure, if $x = 3y$, The value of x , is



- (a) 15 (b) 30 (c) 45 (d) 60
13. A can do a piece of work in 25 days and B in 75 days. Working together, In how many days will they complete the work.
(a) $16\frac{2}{3}$ days (b) $18\frac{3}{4}$ days (c) $15\frac{1}{6}$ days (d) none
14. A student who gets 36% of marks, fails by 32 marks. Another candidate who gets 45% marks gets 40 marks more than are necessary for passing find the maximum marks.
(a) 1600 (b) 800 (c) 400 (d) none
15. Simplify $\frac{\frac{1}{2} \div \frac{1}{4} \text{ of } \frac{1}{8}}{\frac{1}{2} \div \frac{1}{4} \times \frac{1}{8}}$
(a) $1/64$ (b) 1 (c) $1/4$ (d) none
16. Which of the following does not show oscillatory motion ?
(a) Swing (b) Fan (c) See-saw (d) Pendulum

17. Kartar possesses 15 apples. If he had 3 apples less he would have half as many more as Jaswant has. What is the difference between Kartar's and Jaswant's possession.
(a) 7 (b) 8 (c) 5 (d) 6
18. In order to calculate 0.15% of a number, by which number it should be multiplied.
(a) 0.015 (b) 0.15 (c) 0.0015 (d) 0.5
19. If each side of a rectangle is increased by 10% the area of the rectangle will be increased by
(a) 20% (b) 30% (c) 10% (d) 21%
20. A man's salary is reduced by 10%. In order to have his salary back to the original amount, it must be raised by
(a) 8% (b) 10% (c) $11\frac{1}{9}\%$ (d) $12\frac{3}{7}\%$
21. Sublimation is :
(a) increasing the energy of a substance until the chemical reaction starts
(b) process of change of state from gas to liquid
(c) process of change of state from solid to gas
(d) process of preparing water vapour even below the boiling point by subjecting it to extra pressure
22. The image formed by a plane mirror is :
(a) virtual and smaller
(b) real and laterally inverted
(c) real and the same size as that of the object
(d) virtual and same size
23. Electricians wear rubber gloves because :
(a) it is soft (b) it is water proof
(c) it is an insulator (d) it is inexpensive
24. Removal of fleece of sheep with skin is _____.
(a) Shaving (b) Refining (c) Shearing (d) None of these
25. Which of the following is an antacid ?
(a) $\text{Mg}(\text{OH})_2$ (b) NaOH (c) H_2SO_4 (d) H_2O
26. In bases, methyl orange turns :
(a) green (b) black (c) red (d) yellow
27. CO_2 dissolves in water to form :
(a) $\text{C} + \text{H}_2 + \text{O}_2$ (b) CH_2 (c) CO (d) carbonic acid

- 28.** Calcium hydroxide (slaked lime) is used in :
- (a) plastics and dyes (b) fertilizers
(c) antacid (d) whitewashing
- 29.** The bacteria present in root nodules of leguminous plants that fixed the atmospheric nitrogen is :
- (a) rhizobium (b) blue-green algae
(c) nitrifying bacteria (d) paramoecium
- 30.** Lichens are
- (a) symbiotic algae and fungi
(b) carnivorous plants
(c) animals which can perform photosynthesis
(d) interdependent algae

Dream on !!



ANSWER KEY

SECTION-A (MAT) MENTAL APTITUDE

- | | | | | |
|---------------|---------------|---------------|---------------|----------------|
| 1. (c) | 2. (c) | 3. (a) | 4. (b) | 5. (a) |
| 6. (d) | 7. (d) | 8. (b) | 9. (d) | 10. (a) |

SECTION-B (SAT) SCHOLASTIC APTITUDE TEST

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|----------------|----------------|----------------|----------------|----------------|
| 11. (b) | 12. (c) | 13. (b) | 14. (b) | 15. (d) |
| 16. (b) | 17. (a) | 18. (c) | 19. (d) | 20. (c) |
| 21. (c) | 22. (d) | 23. (c) | 24. (c) | 25. (a) |
| 26. (d) | 27. (d) | 28. (d) | 29. (a) | 30. (a) |