

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

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SAMPLE TEST PAPER
for
CLASS IX

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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** **6 questions** **24 marks**

Section-B **Scholastic Aptitude** **24 questions** **96 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

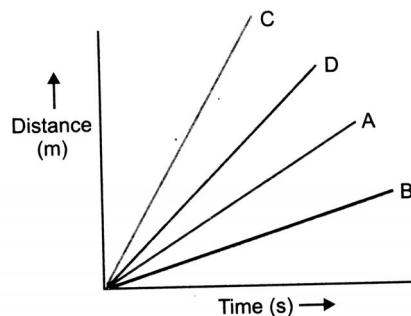
SECTION-A (MAT)
MENTAL APTITUDE

Direction : Q. 1 In each of the following questions a series has been given. In each series there is a '?' which signifies either the missing or the next term. Find the value of '?' in each of these.

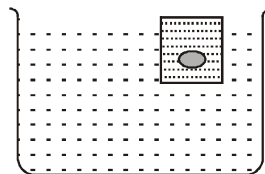
1. 101, 9999, 1000001, 99999999, ?
(a) 9999999999 (b) 100000000001 (c) 10000000001 (d) 999999999
2. Democracy : People ::
(a) Theocracy : God (b) Oligarchy : Rich
(c) Patriarchy : Men (d) Plutocracy : Literates
3. A policeman left his police post and proceeded South. 4 km. on hearing a loud sound from a point A. On reaching the place, he heard another sound and proceeded 4 km. to his left to the point B. From B he proceeded left to reach another place C 4 km. away. In which direction, he has to go to reach his police post ?
(a) North (b) South (c) East (d) West

SECTION-B (SAT) SCHOLASTIC APTITUDE TEST

7. A taxi driver noted the reading on the odometer fitted in the vehicle as 1052 km when he started the journey. After 30 minutes drive, he noted that the odometer reading was 1088 km. Find the average speed of the taxi.
- (a) 30 ms^{-1} (b) 20 ms^{-1} (c) 40 ms^{-1} (d) 25 m/s
8. Four cars A, B, C and D are moving on a level road. Their distance versus time graphs are shown in figure. Choose the correct statement.

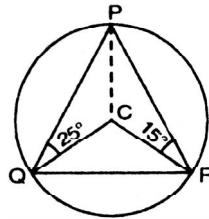


- (a) car A is faster than car D (b) car B is the slowest
(c) car D is faster than car C (d) car C is the slowest.
9. A Rocket- powered sleds are used to test the human response to acceleration. If a rocket - powered sled is accelerated to a speed of 444 m/s in 1.8 sec. , then what is the acceleration.
- (a) 247 (b) 222 (c) 250 (d) 800
10. A man sitting in a boat in a pond drinks $1/2$ a litre water. What will be the effect on the level of water in the pond.
- (a) increases (b) decreases
(c) remains same (d) cannot be determined
11. An ice cube is floating in water, with a coin of Rs 2 inside the cube. When cube melts what will be the effect on the level of water.

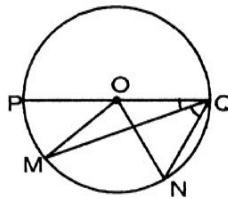


- (a) increases (b) decreases
(c) remains same (d) coin will float

20. In the given figure, if C is the centre of the circle and $\angle PQC = 25^\circ$ and $\angle PRC = 15^\circ$, then $\angle QCR$ is equal to



- (a) 40° (b) 60° (c) 80° (d) 120°
21. A cylinder circumscribes a sphere. The ratio of their volumes is
 (a) 1 : 2 (b) 2 : 3 (c) 3 : 4 (d) 5 : 6
22. In the given figure, $\angle MON = 80^\circ$, $\angle MQO = 20^\circ$, then the measure of $\angle MOP$ is



- (a) 40° (b) 45° (c) 50° (d) 55°
23. A sphere of radius 4cm has the same volume as that of a cone with a circular base of radius 4cm. The height of the cone is
 (a) 12 cm (b) 16 cm (c) 20 cm (d) 24 cm
24. PQRS is a parallelogram. If L, M are the mid-points of QR and PS respectively, and O is any point on LM, then the area of triangle OPQ is equal to
 (a) $\frac{1}{3}$ rd of the parallelogram PQRS (b) $\frac{1}{4}$ th of the parallelogram PQRS
 (c) $\frac{1}{2}$ of the parallelogram PQRS (d) $\frac{1}{6}$ th of the parallelogram PQRS
25. The undefined nuclear region of prokaryotes is also known as:
 (a) nucleus (b) nucleolus (c) nucleic acid (d) nucleoid
26. Which cell organelle plays a crucial role in detoxifying many poisons and drugs in a cell?
 (a) Golgi apparatus (b) Lysosomes
 (c) Vacuoles (d) Smooth endoplasmic reticulum
27. Cartilage is not found in:
 (a) nose (b) ear (c) trachea (d) stomach

28. A person met with an accident in which two long bones of hand were dislocated. Which among the following may be the possible reason?
- (a) Tendon break
 - (b) Break of skeletal muscle
 - (c) Ligament break
 - (d) Areolar tissue break
29. Plasmolysis in plant cells occurs due to
- (a) exosmosis
 - (b) endosmosis
 - (c) absorption
 - (d) pinocytosis
30. The growth in plants is
- (a) Caused by each and every cell of the body
 - (b) Uniform
 - (c) Caused by non-dividing regions
 - (d) Limited to certain regions

Dream on !!



