



Olympiads | Publication | Education
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the metamorphosis starts from here....



**Brilliant International
Olympiad of
SCIENCE**

Class-7 (Syllabus and Sample Question Paper)

Heat & Light, Physical and Chemical Changes & Acids, Bases and Salts, Weather, Climate and Adaptations of Animals to Climate, Winds, Storms and Cyclones, Motion and Time, Electric Current and its Effects, Soil Water: A Useful Resource and Wastewater, Forests Nutrition in Plants and Animals, Respiration in Organisms & Transportation in Animals and Plants, Reproduction in Plants

The Actual Question Paper Contains 40 Questions. The Duration of the Test Paper is 60 Minutes

1. What is the speed in m/s of a car that takes 45 minutes to cover a distance of 18 km?

- (A) 6.6 m/s (B) 5.6 m/s (C) 3.8 m/s (D) 7.2 m/s
(E) None of these

2. Match the following :

1.	Hour glass	a.	Second
2.	Pendulum	b.	Time measuring instrument
3.	Body travelling in straight line at constant speed	c.	Non-uniform motion
4.	Body changes speed while travelling	d.	Frequency.
5.	SI unit of time	e.	Uniform motion.

- (A) 1-a,2-b,3-c,4-d,5-e (B) 1-b,2-d,3-e,4-c,5-a
(C) 1-e,2-d,3-c,4-a,5-b (D) 1-d,2-b,3-c,4-a,5-e
(E) 1-d,2-e,3-a,4-b,5-c

3. Which of the following statements is true about electric circuit?

- (A) An electric circuit is a path through which electric current flows.
(B) An electric circuit is said to be open if no current flows through it.
(C) If current flows through electric circuit then it is said to be closed
(D) All of these
(E) None of these

4. Which of the following layer is also called topsoil?

- (A) C horizon (B) A horizon
(C) B horizon (D) D horizon
(E) None of these

5. Which of the following plants produces new plant with the help of leaf buds?

- (A) Bryophyllum (B) Rose
(C) Potato (D) Mint
(E) None of these
-

6. The largest producer of silk in the world is :

- (A) Japan (B) China (C) Costa Rica (D) India
(E) None of these
-

7. The SI unit of electrical resistance is :

- (A) Joule (B) Coulomb (C) Ohm (D) Volt
(E) None of these
-

8. If an object starts from rest and attains a velocity of 30m per second after 6 seconds, then its acceleration in $m \text{ per second}^2$ is :

- (A) 15 (B) 801 (C) 108 (D) All of above
(E) None of these
-

9. Which one of the following show, the transfer of heat from hotter part to colder part in a solid

- (A) Convection (B) Radiation
(C) Conduction (D) Contraction
(E) None of these
-

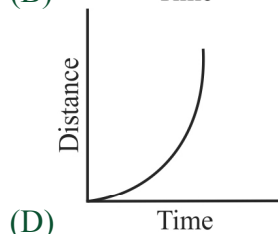
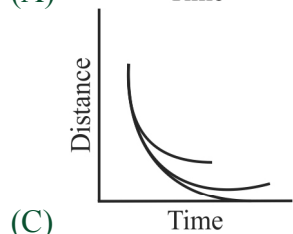
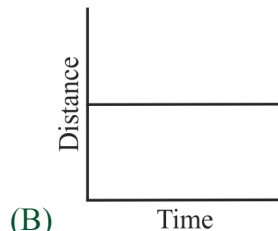
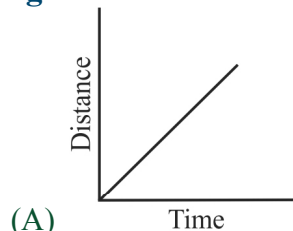
10. Neutral solution have a P_H of :

- (A) 0 (B) 7
(C) 14 (D) 9
(E) None of these
-

11. Which Metal is present in the human body in greater percentage?

- (A) Calcium (B) Sodium (C) Potassium (D) Iron
(E) None of these
-

12. A body moves with uniform velocity. Which of the graph shown here is a graph of distance against time of this month ?



- (E) None of these

13. Name of scientist who discovered the magnetic effect of current.

- (A) Michael Faraday (B) Hans christains oersted
(C) Gregor Mendel (D) Alexander Fleming
(E) None of these
-

14. If a ball is thrown vertically upwards in the moving train. What will happen ?

- (A) Ball returns to the thrower
(B) Ball does not return to the thrower
(C) Ball moves in the direction of train
(D) Ball moves in opposite direction of train
(E) None of these
-

15. Statement A : The higher the electrical resistance of a material, the greater is the heat produced.

Statement B : The higher the electrical resistance of a material the lower is the heat produced

- (A) Both statement (A) and (B) are true
(B) Both statement (A) and (B) are false
(C) Statement A is true
(D) Statement B is true
(E) None of these

ANSWERS

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|-------|-------|-------|-------|-------|
| 1. A | 2. B | 3. D | 4. B | 5. A |
| 6. B | 7. C | 8. E | 9. C | 10. B |
| 11. A | 12. A | 13. B | 14. A | 15. C |