# Class 9 Science Term II Sample Paper Set II

LearnNext.

Time allowed: **3 hours**; Maximum marks: **90** 

#### **General Instructions:**

- a) All Questions are compulsory
- b) The Question Paper consists of 33 Questions divided in to four sections A, B, C and D
- c) Section A comprises of 3 Very Short Questions of 1 mark each
- d) Section B comprises of 3 Short Questions I of 2 marks each
- e) Section C comprises of 12 Short Questions II of 3 marks each
- f) Section D comprises of 6 Long Questions of 5 marks each
- g) Section E comprises of 9 Practical Based Very Short Questions of 1 mark each
- h) Section F comprises of 3 Practical Based Short Questions I of 2 marks each

### Section - A

- 1. Write the formula for baking soda and Calcium Carbonate?
- 2. What does odometer of an automobile measure?
- 3. Define Formula unit mass. Give an example?

### Section - B

- 4. Expand AIDS. State method of prevention?
- 5. Distinguish between loudness and intensity of sound?
- 6. Calculate the wavelength of a sound wave whose frequency is 230 Hz and speed is 440 m/s in a given medium?

### Section - C

- 7. A, B and P belong to same period. Find the relation between their metallic properties following the given information?
  - I. Atomic number of B is 12
  - II. Formula of compound produced by A and B is BA<sub>2</sub>
  - III. P<sup>-2</sup> and A<sup>-</sup> have equal number of electrons
- 8. The wavelength of a sound wave is 1.72 m. How many times does it vibrate in a minute? (Take the speed of sound in air as 344 m/s)
- 9. What are the criteria used for divisions in plant kingdom and animal kingdom?
- 10. What is a disease? Classify disease based on duration and infection cause?
- 11. Write the electronic configuration and valency of following?
  - i) Sodium
  - ii) Silicon
  - iii) Chlorine
- 12. A force of 30 N displaces a body by 10 m distance at an angle of 60° to its own direction .Calculate amount of work?
- 13. Calculate the molecular formula of Glucose with Empherical formula CH<sub>2</sub>O.Calculate the molecular formula?
- 14. State Archimedes's principal. Give at least 2 applications based on it?
- 15. Give some examples to show the existence of Newton's third law of motion in our daily life?
- 16. An iron weight is used to strikes one end of a very long metal pipe. A detector at the other end detects two sounds at an interval of 4 s. Given the speed of sound in air and the speed of sound in metal is 300 m/s and 5100 m/s respectively, what is the length of the metal pipe?

## Class 9 Science Term II Sample Paper Set II



- 17. Write the formula of calcium hydroxide?
- 18. What is molecule?

## Section - D

- 19. What are the different means by which infectious diseases are spread?
- 20. What are the methods of preventing or reducing soil erosion?
- 21. A hockey ball of mass 200 g travelling at 10 ms-1 is struck by a hockey stick so as to return it along its original path with a velocity at 5 ms-1. Calculate the change of momentum occurred in the motion of the hockey ball by the force applied by the hockey stick?
- 22. Give reasons:
  - i) Animals of phylum Platyhelminthes are called flatworms.
  - ii) Bryophytes are called amphibians of plant kingdom.
  - iii) Fungi are called saprophytes.
  - iv) Bacteria and tapeworms are different in body structures.
  - v) Plants like Pinus and deodar are called gymnosperms?
- 23. What is the importance of water, carbon and nitrogen for living organisms?
- 24. Which of the following correctly represents classification of Brassica campestries?

A. Kingdom: Plantae

Sub-kingdom: phanerogamae Division: Gymnospermae

Class: Coniferae

B. Kingdom: Plantae

Sub-kingdom: phanerogamae Division:Gymnospermae

Class: Cycadae

C. Kingdom: Plantae

Sub-kingdom: phanerogamae Division: Angiospermae Class:Monocotyledonae

D. Kingdom: Plantae

Sub-kingdom: phanerogamae

Division: Angiospermae Class: Dicotyledonae

### Section - E

- 25. Which law is used in the spring balance?
- 26. Relative density of a liquid is measured to be 0.7, it's density in SI unit is?
  - A. 0.7 kg/m3
  - B. 700 kg/m3
  - C. 0.7 x 10(-3) kg/m3
  - D. None of these
- 27. Which of the following is the respiratory structure of larva of the mosquito?
  - A. Trachea

## Class 9 Science Term II Sample Paper Set II



- B. Lung
- C. Malpighian tubule
- D. Respiratory system
- 28. Depression in sand is directly proportional to?
  - A. Area
  - B. 1/ area
  - C. Weight
  - D. 1/ weight
- 29. A body is dipped in water and then in kerosene, it will weigh?
  - A. More in water
  - B. More in kerosene oil
  - C. Same in both case.
  - D. Cannot be determined
- 30. A tub full of water has ice floating in water with part of it outside water. When ice melts?
  - A. No water will flow out
  - B. Water will partly flow out
  - C. Water level in tub will fall
  - D. Nothing can be said with certainty
- 31. Density of water vapour is?
  - A. Equal to that of dry air
  - B. Less than that of dry air
  - C. More than that of dry air
  - D. Same as dry air
- 32. A cuboid is mounted on the top of an inverted pointed object, the pressure exerted by set up on sand?
  - A. Will increase
  - B. Will decrease
  - C. Will remain the same.
  - D. Will become half
- 33. 25 divisions on a measuring cylinder represent 50cm3, the least count of cylinder is?
  - A. 2 cm3
  - B. O.5 cm3
  - C. 0.005 cm3
  - D. 5 cm3

### Section - F

- 34. When an object is kept on a liquid 2 forces act on it. Name the forces and their direction?
- 35. State the law of conservation of mass?
- 36. What is the atomicity of carbon dioxide?