

SCIENCE

CLASS - VIII

Answer the following questions :

- The frequency of a source of sound is 20Hz. The number of times, the source vibrates in 10s is
(a) 2 (b) 200 (c) 20 (d) 2000
- In SONAR, we use
(a) infrasonic (b) radio waves (c) audible sound (d) ultrasonic waves
- Two objects A and B are vibrating with different amplitude. Amplitude of the object A is greater than the amplitude of object B. The loudness of sound produced by the object A is
(a) Less than that of object B (b) Greater than that of object B
(c) Same as that of object B (d) Independent of the amplitude of vibration
- A person is listening to a tone of 500 Hz sitting at a distance of 450m from the source of sound. What is the time interval between successive compressions from the source
(a) 2s (b) 2ms (c) 20s (d) .2s
- If we strike a drum softly, its skin vibrates with
(a) small amplitude (b) medium amplitude (c) large amplitude (d) none of these
- The technique of obtaining images of the heart by using ultrasound is called
(a) ultrasonography (b) echocardiography (c) sonar (d) utraseanner
- The chemicals present in soda acid fire extinguishes are
(a) $\text{HNO}_3 + \text{CaSO}_4$ (b) $\text{H}_2\text{SO}_4 + \text{NaHCO}_3$ (c) $\text{HCl} + \text{NaSO}_4$ (d) $\text{H}_3\text{PO}_4 + \text{NaOH}$
- The efficiency of fuel can be judged by its
(a) availability (b) transportability
(c) calorific value (d) ignition temperature
- The calorific value of LPG is 55000KJ/kg. Calculate energy given by burning of 4.75Kg of LPG
(a) 256210 (b) 261250 (c) 125026 (d) 620125
- Ammonical liquor is collected during the destructive distillation of coal in
(a) boiling tube (b) delivery tube
(c) test tube with water (d) as a precipitate
- LPG mainly contains
(a) propane (b) ethane (c) butane (d) hexane

12. Which of the following is a combustion reaction
- (a) $\text{HCl} + \text{NaOH} \rightarrow \text{NaCl} + \text{H}_2\text{O}$ (b) $\text{CH}_4 + 2\text{O}_2 \rightarrow \text{CO}_2 + 2\text{H}_2\text{O} + \text{energy}$
(c) $2\text{Mg} + \text{O}_2 \rightarrow 2\text{MgO}$ (d) $\text{H}_2\text{SO}_4 + \text{Ca}(\text{OH})_2 \rightarrow \text{CaSO}_4 + 2\text{H}_2\text{O}$
13. Plasmalemma is a term that refers to
- (a) Cell wall (b) Middle lamella (c) Plasma membrane (d) Plasmids
14. Cell membrane is made up of
- (a) Glycoproteins (b) Protein bilayer
(c) Lipid bilayer (d) Phospholipids & proteins
15. Cell theory was given by
- (a) Singer and Nicolson (b) Sutton and Boveri
(c) Schleiden and Schwann (d) Anton Von Leeuwenhock
16. The term dictyosomes refers to
- (a) type of ribosome (b) microsomes (c) golgi complex (d) lysosomes
17. The organelle that is called as 'suicidal bags' is
- (a) Golgi apparatus (b) Vacuole (c) Lysosomes (d) Ribosomes
18. DNA of a cell is present inside
- (a) mitochondria (b) chloroplast (c) chromosomes (d) all the above
19. The type of sugar present in milk is
- (a) sucrose (b) lactose (c) glucose (d) glycogen
20. The organelle that is absent in plant cell is
- (a) centriole (b) plastid (c) nucleolus (d) vacuoles

ANSWERS

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|---------|---------|---------|---------|---------|
| 1. (b) | 2. (d) | 3. (b) | 4. (b) | 5. (a) |
| 6. (b) | 7. (b) | 8. (c) | 9. (b) | 10. (c) |
| 11. (c) | 12. (b) | 13. (c) | 14. (d) | 15. (c) |
| 16. (c) | 17. (c) | 18. (c) | 19. (b) | 20. (a) |