



Sainath Education Trust's  
**Rajiv Gandhi College**  
of Arts, Commerce, & Science. Vashi Navi Mumbai.  
{Permanently Affiliated to University Of Mumbai}  
**ACCREDITED BY NAAC, GRADE 'B'**

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**Sample Multiple Choice Questions**

**Class:S.Y.B.Sc.**

**Subject: PHYSICS PAPER – III**

**Semester:IV**

1. The place of occurrence of an earthquake is called

- a. Focus
- b. Epicentre
- c. Fault
- d. Centre of earth.

Ans. a

2. Which of the following are features of a primary wave?

- a. Short wavelength
- b. High frequency
- c. Compression wave
- d. All the above

Ans. d

3. The Elastic Rebound Theory is associated with

- a. Earthquakes
- b. Volcanoes
- c. Continental drift
- d. Atmospheric pressure

Ans. a

4. The place which experiences the seismic event first is called

- a. Focus
- b. Eye
- c. Fault
- d. Epicentre

Ans. d

5. Which of the following waves reach the surface of the Earth first?

- a. P waves
- b. S waves
- c. L waves
- d. P or S waves

Ans. a

6. Types of Seismic wave \_\_\_\_\_

- (a) 1
- (b) 2
- © 3
- (d) 4

Ans. 2

7. Types of body waves(primary waves) \_\_\_\_\_

- (a) 1
- (b) 2
- © 3
- (d) 4

Ans. b

8. The unit of intensity or field strength of the earth's field is \_\_\_\_\_

- a. mGal
- b. Tesla
- c. Beta
- d. Mega –tesla

Ans. b

9. Lead is a metallic crystal having a \_\_\_\_\_ structure.

- a) FCC
- b) BCC
- c) HCP
- d) TCP

Ans. a

10. Which of the following has a HCP crystal structure?

- a) W
- b) Mo

- c) Cr
- d) Zr

Ans. d

11. Amorphous solids have \_\_\_\_\_ structure.

- a) Regular
- b) Linear
- c) Irregular
- d) Dendritic

Ans. c

12. Which of the following is not an amorphous material?

- a) Glass
- b) Plastics
- c) Lead
- d) Rubbers

Ans. c

13. The crystal lattice has a \_\_\_\_\_ arrangement.

- a) One-dimensional
- b) Two-dimensional
- c) Three-dimensional
- d) Four-dimensional

Ans. c

14. The smallest portion of the lattice is known as \_\_\_\_\_

- a) Lattice structure
- b) Lattice point
- c) Bravais crystal
- d) Unit cell

Ans. d

15. Bravais lattice consists of \_\_\_\_\_ space lattices.

- a) Eleven
- b) Twelve
- c) Thirteen
- d) Fourteen

Ans. d

16. A unit cell that contains lattice points only at the corners is known as \_\_\_\_\_

- a) Primitive unit cell
- b) Secondary unit cell
- c) Layered unit cell
- d) Derived unit cell

Ans. a

17. The axial relationship of a monoclinic crystal system is given as \_\_\_\_\_

- a)  $a = b = c$
- b)  $a = b \neq c$
- c)  $a \neq b = c$
- d)  $a \neq b \neq c$

Ans. d

18. What is the atomic radius of a BCC crystal structure?

- a)  $a/2$
- b)  $a/4$
- c)  $a\sqrt{2}/4$
- d)  $a\sqrt{3}/4$

Ans. d

19. What is the coordination number of a simple cubic structure?

- a) 6
- b) 8
- c) 10
- d) 12

Ans. a

20.

Microprocessor was introduced in the year \_\_\_\_\_

- a. 1945
- b. 1971
- c. 1974
- d. 1980

Ans. b

21. The first microprocessor was \_\_\_\_\_

- a. 4001
- b. 8085
- c. 4003
- d. 4004

Ans. d

22. Which of the following microprocessor has an 8 bit data bus \_\_\_\_\_

- a. 4004
- b. 80186
- c. 8085
- d. 8086

Ans. c

23. A microprocessor is \_\_\_\_\_

- a. an analog device
- b. a digital device

c. an analog and digital device

d. none of these

Ans. b

24. The 16 bit processor is \_\_\_\_\_

a. 8085

b.8086

c.80486

d. pentium

Ans.b

25. The number of flags in 8085 are \_\_\_\_\_

a. 4

b. 8

c.6

d.5

Ans. d