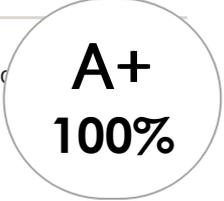


20 Multiple choice questions



A+
100%

1. data that can be represented by two states e.g. numbers (digits) such as 0 and 1, on and off, high and low
 - a. analog data
 - b. **CORRECT: digital data**
 - c. compact disk
 - d. critical angle

2. a region of upward displacement in a transverse wave
 - a. echo
 - b. **CORRECT: crest**
 - c. beats
 - d. convex

3. lines joining points of constructive interference
 - a. analog data
 - b. digital data
 - c. **CORRECT: antinodal lines**
 - d. critical angle

4. the angle of incidence for which the angle of refraction is 90 degrees; only occurs for waves going from a denser medium to a less dense medium
 - a. **CORRECT: critical angle**
 - b. concave
 - c. communication
 - d. digital data

5. the angle which an incident line or ray makes with a perpendicular to the surface at the point of incidence
 - a. angle of refraction
 - b. angle of reflection
 - c. **CORRECT: angle of incidence**
 - d. analog data

6. a plastic disk that can store vast amounts of information in binary format as a series of pits (holes)
 - a. antinodal lines
 - b. **CORRECT: digital video disk (DVD)**
 - c. compact disk
 - d. digital data

7. the transfer of information from a sender to a receiver via a medium
 - a. **CORRECT: communication**
 - b. compression
 - c. compact disk
 - d. concave

8. the angle made by a refracted ray with a perpendicular to the refracting surface
 - a. analog data
 - b. angle of reflection
 - c. **CORRECT: angle of refraction**
 - d. angle of incidence

9. the interference effect of two almost identical waves passing through the same medium together; the resultant is a series of alternate maxima and minima in the amplitude of vibration
 - a. crest
 - b. **CORRECT: beats**
 - c. concave
 - d. echo

10. a mirror that causes parallel light to diverge
 - a. compression
 - b. **CORRECT: convex mirror**
 - c. concave mirror
 - d. convex

11. the region in a horizontal wave where the particles are closer than in their normal equilibrium position
 - a. crest
 - b. communication
 - c. **CORRECT: compression**
 - d. compact disk

12. where sound reflects off a surface back to its source
 - a. **CORRECT: echo**
 - b. crest
 - c. beats
 - d. convex

13. having a surface with the centre of curvature on the opposite side to the observer
 - a. echo
 - b. crest
 - c. **CORRECT: convex**
 - d. concave

14. a mirror that converges parallel light rays incident on its surface
 - a. convex
 - b. **CORRECT: concave mirror**
 - c. convex mirror
 - d. concave

15. the maximum displacement of a vibrating particle from its equilibrium position
 - a. **CORRECT: amplitude**
 - b. compact disk
 - c. analog data
 - d. concave

16. the angle made by a reflected ray with a perpendicular to the reflecting surface
 - a. **CORRECT: angle of reflection**
 - b. angle of refraction
 - c. compression
 - d. angle of incidence

17. a type of modulation where the amplitude of the carrier wave is varied by an imposed signal
- amplitude
 - angle of refraction
 - angle of reflection
 - CORRECT: amplitude modulation**
18. represents continuous variations in some quantity such as the volume of a sound, the intensity of light etc.
- beats
 - digital data
 - amplitude
 - CORRECT: analog data**
19. surface with centre of curvature on the same side as the observer
- echo
 - convex
 - beats
 - CORRECT: concave**
20. a plastic disk that has digital data encoded on it as a series of pits
- concave
 - CORRECT: compact disk**
 - amplitude
 - compression