

# FIRST TERMINAL EVALUATION 2018 -19

## STANDARD 10 – PHYSICS

### SCORING KEY

1. Tuning fork

All others work by the principle of 'multiple reflection'

2. Mechanical effect

3. Period

4. 256Hz

5. Thorium oxide

6.

Sound board	Multiple reflection
Sonometer	Resonance
SONAR	Echo
Seismograph	Richter scale

7 The ends of the fuse wire must be connected firmly at appropriate points  
The fuse wire should not project out of the carrier base

8. A.C. generator

Electro magnetic induction

9. a) Natural vibration

b) Forced vibration or Resonance

10. a, d

11. a) Resonance

b) Multiple reflection

c) As humidity increases speed of sound also increase

Or Air density decreases speed of sound increases

12. a) 900 & 2700

Maximum flux variation

b) 1800 & 3600

13. b, c & e

14.

Arc lamp	LED
a	b
d	c

15. a) Longitudinal wave

b) Change in pressure

c) Procedure of slinky experiment

16. a) 4 m

b) 3 m/s

c) Wave A

freq. of A = 3 Hz

freq. of B = 1.5 Hz

d) Inversely proportional to each other

17. a) High melting point, High resistivity, emit while light at high temperature & can withstand for a long time (Any two)

b) To reduce oxidation

c) Brightness increases

As voltage remains unchanged and

resistance decreases current increases

18. a) Bulb 'A' = = 220

'B' = = 576

b) = 25 W

19. a) 512 Hz

b) Forced vibration



c) 512 Hz

d) Amplitude

20. a) Ammeter reading increases

Resistance increases

Current increases

b) Quantity of heat produced increases

As resistance decreases current increases hence heat produced increases.

[www.shenischool.in](http://www.shenischool.in)

