

FORMATIVE ASSESSMENT-3

Name:..... Section:..... Roll No:..... Max.Marks:20

I. Answer the following questions. Each carries four marks. 2 x 4 = 8 M

- 1) How can you prove that vibrating body produces sound ? Give any four examples.
- 2) Draw any two diagrams of stringed instruments.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

- 3) How can we control sound pollution ?
- 4) Classify the following as exhaustible and inexhaustible sources of energy.

Coal LPG CNG Petroleum

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

- 5) We can't hear some sounds. Can you guess the frequency of such sounds ?
- 6) How can we save energy resources ?

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

- 7) The number of vibrations per second is []

A. Amplitude B. Frequency C. Velocity D. Pitch

- 8) Substances: (i) Iron (ii) Water (iii) Air
Sound can travel through []

A. (i) only B. (i) and (ii) C. (iii) only D. (i), (ii) and (iii)

- 9) is obtained from Petroleum. []

A. Diesel B. Kerosene C. Petrol D. All of the above

- 10) Match the following.

Set-I

- (i) Petroleum
- (ii) Coal

Set-II www.ignitephysics.net

- (a) Liquid gold
- (b) Black gold
- (c) White gold

Choose the correct answer : []

A. (i)-a, (ii)-b B. (i)-a, (ii)-c C. (i)-b, (ii)-a D. (i)-b, (ii)-c

- 11) The slow process of conversion of dead vegetation into coal is called []

A. Fractional distillation B. Purification C. Carbonation D. Carbonisation

- 12) Identify the wrong statement. []

A. Sound is a form of energy B. Sound needs material medium to travel
C. Units of frequency is second/vibrations D. Decibel is the unit of intensity of sound