PHYSICAL SCIENCE (EM)

EVALIATION KEY INDICATOR

VIII - Class

ii. ex: Hoisting flag

PART -A

1. Gravitational force 1 Mark 2. i. They are less reactive metals any one point 1 Mark ii. They do not corrode iii. They do not react with oxygen 3. i. Papers vibrate ii. I observe the to and fro motion of papers any one point iii. Sound produced due to movement of papers 1 Mark 4. i. Used in the manufacture of detergents ii. synthetic fibers any two related points iii. Used as fuels $2 \times \frac{1}{2} = 1 \text{ mark}$ iv. Used in paints v. Used in face creams vi. Used manufacture of matches. 5. i. Static friction: Ex: The friction between (rest) stool and floor. The friction between computes and table. ii. Sliding friction: Ex: If we drag a cot, the friction between cot and floor. Any two concepts If we slip down, the friction between foot and floor with one example iii. Rolling friction: $4 \times \frac{1}{2} = 2 \text{Marks}$ Ex: The friction between moving ball and floor. The friction between moving marbles and floor. 6. Contact Forces Field Forces i. Applied force by touching i. Applied force without touching any related the object the object two points

Ex: Magnet attract nails

2x1=2Marks

- 7. i. How does it produce sound?
 - ii. Is sound produced without vibration?

Any two related points

iii. Which part is vibrating?

 $2 \times 1 = 2M$

iv. What is the mechanism in this instrument?

8. $4 \times \frac{1}{2} = 2M$

Rapid Combustible substances	Spontaneous Combustible substances
1. Petrol	Sodium metal
2. Spirit	2. White phosphorous

- 9. i. It is very useful to discover alternative energy sources.
 - ii. It is a great effort to produce pollution free energy sources.

Any two points

iii. Discovery of alternative fuels leads to clean environment.

 $2 \times 1 = 2M$

iv. I appreciate them discovery as they reduced pollution.

10A.

Related any four points

 $4 \times 1 = 4M$

Musical instruments	Production of Sound	
Veena	Produced sound by vibrating the strings	
Flute	Produced sound by vibrating air column	
Drum	Produced sound by vibrating the membrane	
Violin	Produced sound by vibrating the strings	

- 10B. Sounds responsible for sound pollution:
 - i. Loud horns

ii. Sounds from industries

any four points

iii. Sounds from explosions

 $4 \times \frac{1}{2} = 2M$

iv. Sounds at foundries

Controlling measures:

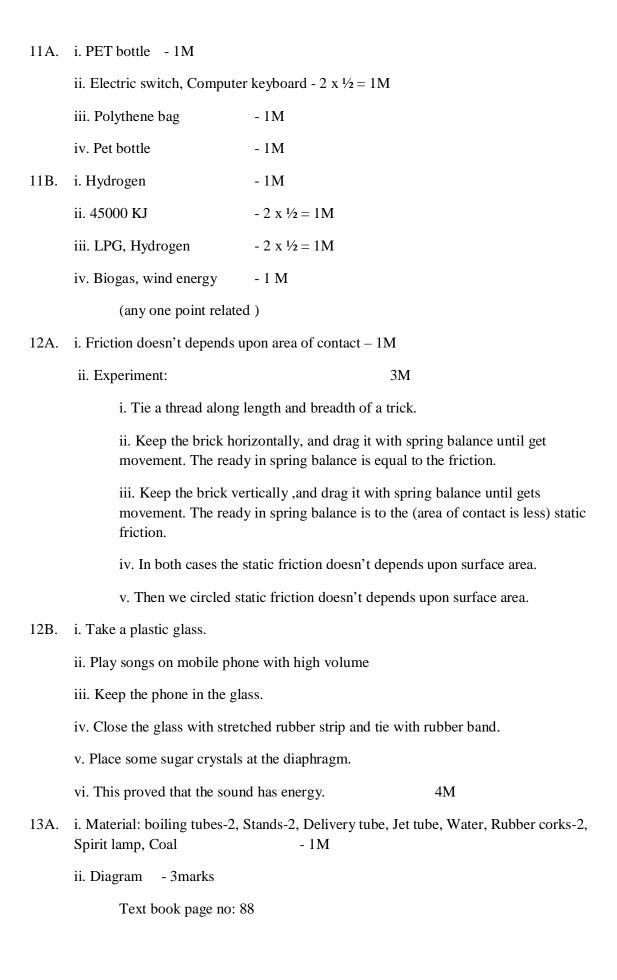
- i. Attach silencers to bikes
- ii. Machines that produce less sound should be manufactured

iii. Tone down the volume while using TV

any four points

iv. Planting trees

 $4 \times \frac{1}{2} = 2M$



13B.	i. Diagram -	- 2marks
------	--------------	----------

Page no: 104

ii. Parts – 1 M

18.

iii. Black zone (or) Dark zone (or) inner zone - 1M

PART-B

28.

33.

14. 19. 24. 29. 15. 20. 25. 30. 16. 21. 26. 31. 17. 22. 27. 32.

23.