

SUMMATIVE ASSESSMENT - I - DECEMBER 2021

GENERAL SCIENCE - Paper I

(Physical Science)

(English Version)

PART - A & B

(Max.Marks: 40)

VIII Class]

[Time: 2.45 Hrs.

Marks : 35]

PART - A

[Time: 2.15 Hrs.

Instructions :

1) Answer all the questions in separate answer sheet.

2) Question paper contains three sections.

3) In Section -III internal choice is there.

4) Time for examination is 2.45 min. in which 15 min. are meant for reading the question paper.

Section - I

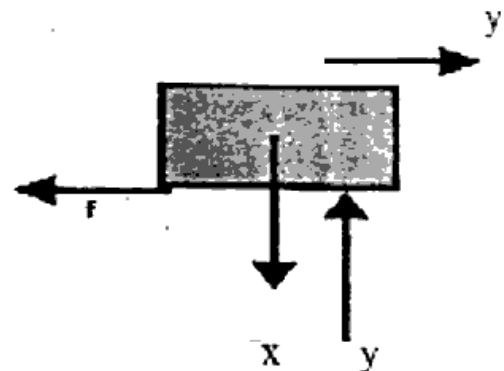
Note: 1) Answer all the questions.

2) Each question carries one mark.

3) Write the answers in 1-2 sentences.

7x1=7

1. In the given figure, what are the forces represented by 'x' and 'y' ?



Forces acting on the book

2. Why do you prefer to buy 'grooved sole of shoes ?
3. As per your opinion which type of fibre is better for your swim suits and why ?

[Turn Over

4. What are the consequences if the vibrating bodies do not produce sound ?
5. If 'Effect of rollers on Friction' is not discovered, what will be the impact in our daily life ?
6. Give two examples of 'Natural fibres' ?
7. Generally the announcements in Railway stations and bus stands are made by women, what is the specific reason behind this ?


Section - II

Note: 1) Answer all the questions.

2) Each question carries two marks.

3) Write the answers in 4-5 sentences.

6x2=12

8. Write the differences between 'Natural fibres and synthetic fibres'?
9. Imagine what will happen if we do not produce sounds with different pitches or amplitudes ?
10. In a 'flame test' to identifying the type of a plastic, you burn a comb, based upon result how do you decide the type of plastic ?
11. You observed  this symbol on your new shirt laundry label, what does it mean ?

[Contd..on 3rd page

12. In the figure related to 'vibration of the body and intensity of sound'. OA is the mean position of the vibrating body, then draw the vibrations of occurring in the body and denote the maximum displacement ?



13. What are the steps can be taken to 'control the sound pollution in daily life by you ?

Section - III

Note: 1) Answer all questions. There is an internal choice for each question.

2) Each question carries four marks. <https://www.apboardonline.com>

3) Write the answer in 8-10 sentences.

4x4=16

14. a) Write the experimental procedure to observe 'the pitch of the sound depends upon its frequency' with the help of table.

(OR)

- b) 'Light strings with same length and equal thickness to find limiting force that can be borne by a string' explain this experiment with the help of table through diagram.

15. a) 'The force of friction is greater if a rough surface is involved'. Explain this with suitable diagram.

(OR)

- b) 'To know the relation between the intensity of sound produced by a body and the vibrations of the body'. Explain the procedure of this experiment with the help of the table.

16. a) 'Is friction always to be a friend' ? Write a note to support your answer ?

(OR)

- b) Explain the '4R' principle for creating an eco friendly environment?

[Turn Over

17. a) Observe the below 'Resin identification codes table and answer the below questions.

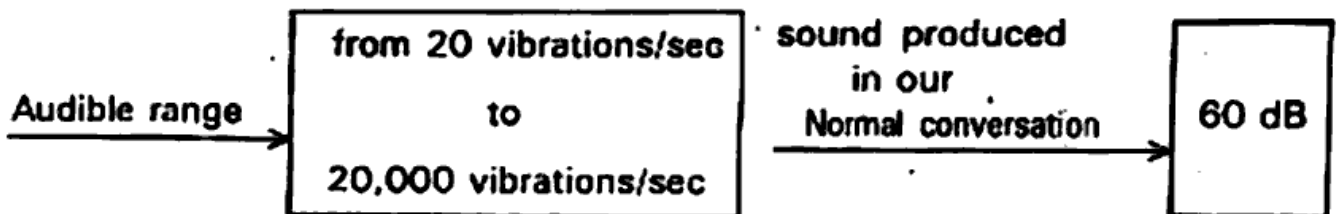
Sl.No.	Name of the sample	Code
1	Maaza bottle	1
2	Parachute oil bottle	2
3	Bournvita bottle	5
4.	Pepsi bottle	1
5	Clinic Plus Shampoo bottle	5
6	Nandi water pipes	3

Questions:

- What are the 'PET' bottles in the above table ?
- What are the 'PP' type' samples in the above table ?
- What is the full name of the code '3' ?
- What are the 'HDPE' type of samples in the above table ?

(OR)

- b) Observe the following phenomena and answer the given questions.



Questions:

- What is the frequency range of sound audible to humans ?
- Which sound frequency is not audible to human ?
- Which decibels cause hearing loss ?
- What is the lowest decibels of sound is comfortable to human ?

