

## U-49-A

# SUMMATIVE ASSESSMENT - I - 2018 - 2019

## GENERAL SCIENCE - Paper - I

### PHYSICAL SCIENCE

(English Medium)

PART - A & B

Class : VIII

(Max. Marks : 40)

Time : 2.45 mts.

#### Instructions :

1. Question paper contains Part A & B.
2. 15 Minutes are allotted for reading the question paper (Part A & B) in addition to 2.30 hours for writing the answers.
3. Part - A answers should be written in a separate answer book.
4. There are three Sections in Part - A.
5. Answer all the questions.
6. Every answer should be visible and legible.
7. There is internal choice in Section - III.
8. Part-A & B should be given at the beginning of the exam only.

Marks : 30

PART - A  
Section - I

Time : 2 Hrs.

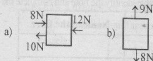
Note : 1. Answer all the Questions.

2. Each Question carries 1 Mark

3. Answer each question in 1 or 2 sentences

4 x 1 = 4

1. Find the net force from the following diagrams.



2. Why our steps do not produce sound if we walk on a carpet floor?
3. If you bring a rubbed balloon near the pieces of paper, what do you observe?
4. Write two slogans on solid waste management.

#### Section - II

Note : 1. Answer all the Questions.

2. Each Question carries 2 Marks

5 x 2 = 10

5. How can you differentiate a contact force and force at a distance?

| Turn Over

6. What is fluid friction? Explain why objects moving in fluids must have special shapes?

7. Complete the following table

Vibrating part of instrument	Name of the instrument
Stretched membrane	
Stretched string	

8. If plastic is not properly disposed what will be the consequences?

9. Imagine the friction has disappeared from the earth. What will happen? Explain.

### Section - III

Note : 1. Answer all the Questions.

2. Each Question has internal choice

3. Each Question carries 4 Marks

4 x 4 = 16

10. a) How is friction responsible for energy losses. Give examples? Give suggestions to reduce energy losses by friction.

(OR)

b) What is sound pollution? Write effects of sound pollution. Suggest some measures to control sound pollution?

11. a) Based on the smell given in the table identify the fibre and complete the table.

S.No.	Smell on burning	Name of the fibre
1	If it smells like burning hair	
2	If it smells like burning paper	
3	If the yarn melts	

(OR)

b) Zinc, Copper, Sulphur, Carbon, Categorise into these into metals and non metals and write their uses.

S.No	Name	Metal/Non metal	Use
1			
2			
3			
4			

12. a) You are given a comb, tooth brush handles, plastic bucket, handle of utensil, Electric switch, piece of melamine of meals plate and coffee mug. Explain how can you identify which object is a thermoplastic or thermosetting plastic through an activity.

(OR)

- b) You are given copper sulphate, Iron sulphate, an iron nail and copper wire. How do you test the reactivity of metals iron and copper? Explain through an activity.
13. a) Draw a Free body diagram (FBD) to show various forces acting on a body that slides on an inclined plane.

(OR)

- b) Draw a diagram of an activity of heat conduction by metals? Why iron, copper and aluminium are used to prepare in the manufacturing of cooking vessels?

Regd.No. **U-49-B**Marks: **SUMMATIVE ASSESSMENT - I - 2018 - 2019****GENERAL SCIENCE - Paper - I****Physical Science****(English Medium)****Part - B**

Class : VIII

Marks : 10

Time : 30 mts.

Academic standard	AS <sub>1</sub>				AS <sub>2</sub>			AS <sub>3</sub>		AS <sub>4</sub>		AS <sub>5</sub>		AS <sub>6</sub>		Total	Grade		
Q.No.S	1	5	6	10	14-27	2	7	28-29	3	11	30-31	8	12	13	4	9	32-33	33	
Allotted Marks	16				4			6		6		4		4		40			
Total																			

Name of the Student : ..... Roll No. : .....

**Note :**

- Choose the correct answers from the options given and write the **CAPITAL** Letter regarding
- Each Question carries  $\frac{1}{2}$  mark.
- Rewriting (or) over writing questions are not valid.  $20 \times \frac{1}{2} = 10$
- The sharp side of a knife cuts more-easily than the blunt side because of \_\_\_\_\_ ( )
  - Greater pressure
  - Friction
  - Force
  - Mass of the Knife
- Free body diagrams (FBD) are used for \_\_\_\_\_ ( )
  - Calculation of mass of a body
  - Calculation of pressures on a body
  - Calculation of net force acting on a body
  - Calculation of net linear momentum of a body

**[ Turn Over**

16. In what direction does frictional force act when a body moves on the surface of another body? ( )

- A) In the direction of motion  
 B) In the direction opposite to motion  
 C) Perpendicular to direction of motion  
 D) Frictional force does not have direction.

17. Find the odd force among the following ( )

- A) Frictional force  
 B) Gravitational force  
 C) Electrostatic force  
 D) Magnetic force

18. Which of these statements about acrylic is wrong? ( )

- A) It became commercially available from 1941  
 B) It is made from a combination of coal, air, water, oil and limestone  
 C) Acrylic is more expensive than natural wool  
 D) It is commonly known as fake fur.

19. Match the three major elements found in the human body with the percentages ( )

Element	Percentage
1. Hydrogen	a. 65%
2. Oxygen	b. 18%
3. Carbon	c. 10%
	d. 0.04%

A) 1 - d, 2 - b, 3 - a

B) 1 - c, 2 - a, 3 - b

C) 1 - a, 2 - b, 3 - c

D) 1 - b, 2 - c, 3 - d

20. The following is not the effect of sound pollution ( )

A) Loss of hearing

B) Sleeplessness

C) Hypertension

D) Loss of eye sight

21. The velocity of propagation of sound in ascending order is ( )

A) Solid < liquid < air

B) Air < liquid < solid

C) Liquid < air < solid

D) Solid < air < liquid

22. Intensity of sound can be measured in \_\_\_\_\_ ( )

A) Meter/sec

B) Vibration/sec

C) Meter

D) Decibel

23. Most metals react with dilute acids to liberate Hydrogen gas. which metal among the following does not? ( )  
A) Magnesium B) Aluminium C) Iron D) Copper
24. Which is the correct statement regarding blending ( )  
A) A blend means alternating threads of cotton and polyester  
B) Only synthetic fibres can be blended  
C) Unique and different textures can be created through blending  
D) Weak fibres can be produced
25. The fish swim easily in water because by ( )  
A) More energy B) Streamlined shape  
C) Both (A) and (B) D) None of the above
26. The non - metal which is in solid state at room temperature ( )  
A) Carbon B) Chlorine C) Bromine D) Iodine
27. Velocity of sound in vacuum ( )  
A) 0 meter/sec B) 100 meter/sec  
C) 250 meter/sec D) 330 meter/sec
28. **Hypothesis** : The sole of shoe's grave is to provide better grip on the floor.  
**Reason** : Friction is caused by the irregularities on the two surface those are in contact ( )  
A) Hypothesis is correct. Reason is correct explanation of hypothesis  
B) Hypothesis is correct. Reason is not correct explanation of hypothesis  
C) Hypothesis is not correct and reasons are correct  
D) Both hypothesis and reasons are not correct
29. A car toy is dropped on four inclined planes made up of with different materials. On which incline plane the car travels more distance ( )  
A) Cemented surface B) Mud surface  
C) Marble surface D) Brick surface

30. In "Identification of fibres - Burning test" activity what are the precautions to be taken. ( )
- A) Yarn should be burnt by maintaining a minimum distance to the flame
  - B) Yarn should not be burnt by keeping them in hands
  - C) We should not smell the smoke
  - D) All the above
31. The main apparatus required in the activity to observe the heat conductivity of metals ( )
- A) Metal pins
  - B) Retard stand
  - C) Spirit lamp
  - D) All the above
32. Which types of clothing is MOST suitable for wearing in very cold hill station? ( )
- A) Loose silk clothes
  - B) Thick woollen clothes
  - C) Tight polyester clothes
  - D) Thin cotton clothes
33. A physical science text book is on a table. The gravitational force acting on that book is 10 Newton. Then the normal force \_\_\_\_\_ ( )
- A) 0 Newton
  - B) 10 Newton
  - C) 15 Newton
  - D) 20 Newton