

Model paper-1
SUMMATIVE ASSESSMENT-I
(2019-2020)

GENERAL SCIENCE – Paper-1
(PHYSICAL SCIENCES)

(English medium)

PART-A & B

(Max. Marks: 40)

Class: VIII

Time: 2.45 Hrs.

Instructions:

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

Section-I

Note:- 1. Answer all the questions

2. Each question carries 1 Mark

4x1=4

3. Answer each question in 1 or 2 sentences.

1. If we keep the pen on a table, it does not fall down. Why?
2. Define Pitch?
3. Which substance liberates hydrogen when reacts with metals ?
4. How do we obtain synthetic fibres?

Section-II

Note:- 1. Answer all the questions

2. Each question carries 2 Mark

5X2=10

5. If 20 N force is applied on the surface area of object is 20m^2 , then find the pressure on the object
6. What conditions are needed for static friction to come into play?
7. Steam produces more severe burns than boiling water. Think why?
8. What are the difference between Biodegradable and non-biodegradable materials?
9. Why cooking pans don't have metal handles?

Section-III

Note:- 1. Answer all the questions

2. Each question carries 4 Marks

4X4=16

10. Do you agree with the statement "friction is both good and an evil" ? Explain with examples

(OR)

Write any three musical instruments that you know and explain how they produce sound

11. Prepare the table on the properties of Lustrous, Sonority, Malleability, Ductility for the following items

Iron, Aluminum, Sulphur, Carbon

(OR)

Prepare a table of various synthetic fibres which are used to make household articles from them?

12. Describe an experiment to measure the speed of diffusion of two gases

(OR)

Friction does not depend upon area of contact. How can you perform an activity to prove it?

13. Draw a free body diagram to show various forces acting on a body which is a) at state of rest b) at state of motion

(OR)

Draw a diagram of an activity of heat conduction by metals.

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GENERAL SCIENCE – Paper-1

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PART-B

(Max. Marks: 10)

Class: VIII

Name of the student: _____ Roll No: _____

Note:

1. Choose the correct answers from the options given below and write them in CAPITAL letter.

2. Each Question carries ½ mark

14. Audible frequency range ()
A) 2 vibrations/sec-20 vibrations/sec B) 20 vibrations/sec-20,000 vibrations/sec
C) 20 vibrations/sec-200 vibrations/sec D) 10 vibrations/sec-20000 vibrations/sec
15. Loudness and feebleness of sounds depends upon ()
A) frequency B) pitch C) amplitude D) intensity
16. The parts of the speech organ which are involved in producing sounds are ()
i) Vocal cords ii) Lips iii) Teeth & Tongue iv) Nose & Throat
A) i,ii B) ii,iv C) i,ii,iii D) i,ii,iii,iv
17. Friction is proportional to ()
A) Applied force B) Gravitational force C) Normal force D) Tension
18. **P:** Force has magnitude as well as direction ()
Q: State of motion or state of rest of body can be changed by net force
A) P,Q both are true B) P is true, Q is false
C) P is false, Q is true D) P,Q both are false
19. The speed of the sound in vacuum is ()
A) Maximum B) Minimum C) Zero D) 340m/s
20. Matching the following ()
- | Column-1 | Column-2 |
|--|-----------------|
| a) A whisper | 1) 120dB |
| b) Normal conversation | 2) 15dB |
| c) A jet engine | 3) 60dB |
| A) a-2, b-1, c-3 B) a-3, b-1, c-2 C) a-1, b-2, c-3 D) a-2, b-3, c-1 | |
21. **Assertion(A):** Rayon is an artificial silk ()
Reason(R): Rayon is made up of cellulose ()
A) A,R are correct and R is support to A B) A,R are correct and R is not support to A
C) A is correct, R is incorrect D) A is incorrect, R is correct
22. Silk:Animal:: Nylon: ? ()
A) Plant B) Animal
C) Petrochemical D) Both A&B
23. This fibre is stronger than any other fibre ()
A) rayon B) polyester C) acrylic D) nylon

24. The purpose of powder while playing caroms is ()
A) To decrease friction B) To increase friction C) Keeping the friction is constant D) All
25. Which of the following friction has self adjusting force ()
A) Fluid friction B) Rolling friction C) Sliding friction D) Static friction
26. Choose the correct statement ()
A) Friction is dependent of area of contact
B) Friction is independent on the nature of surface
C) The substances which reduce friction are called lubricants
D) Friction is dependent of weight of the object
27. Silver foils are used to decorate sweets based on the following property ()
A) Malleability B) Sonority C) Appearance D) Ductility
28. The non-metal added in gun powder is ()
A) Hydrogen B) Chlorine C) Sulphur D) Sodium
29. To reduce friction between rotating shafts of machine tools, we use ()
A) powder B) Lubricants C) Ball bearing D) Carbon powder
30. S.I unit of force is ()
A) Newton B) Joule C) kg D) erg
31. Which of the following statement is false ()
A) Evaporation is a surface phenomenon
B) Boiling is a bulk phenomenon
C) Gases are highly compressible as compared to liquids and solids
D) The process of changing solid to liquid is known as boiling
32. The amount of water vapour present in air is ()
A) pressure B) sweating C) humidity D) evaporation
33. Convert 0°C into Kelvin scale ()
A) 0K B) 273K C) 27K D) 274K