

# EIGHTH CLASS MODEL PAPER (AP)

## SUMMATIVE ASSESSMENT - 1 (2023-24)

### GENERAL SCIENCE (English Version)

Time: 3 Hrs. 15 Min.

PART A & B

Max.Marks: 80

Instructions: 1) This paper consists of Part - A and Part - B.

- 2) Part - A contains Physical Science and Part - B contains Biological Science.
- 3) Part - A and Part - B contains 4 sections each.
- 4) Write all questions visibly and legibly.

Time: 1 Hr. 30 Min.

PART - A (Physical Science)

Marks: 40

### SECTION - A

Fill in the Blanks.

6 × 1 = 6

1. A ..... arises due to the interaction between two objects.
2. The north pole of a magnet ..... the north pole of another magnet.
3. .... friction comes into play when an object is sliding over another.
4. .... is produced by friction.
5. Least polluting fuel for vehicle is .....
6. Forests and coal are ..... natural resource.

Match the following.

4 × 1 = 4

- |                                      |                         |
|--------------------------------------|-------------------------|
| 7. Audible frequency range           | ( ) i) Noise            |
| 8. Normal breathing                  | ( ) ii) Frequency       |
| 9. Number of oscillations per second | ( ) iii) 10 dB          |
| 10. Unwanted sounds                  | ( ) iv) 20 Hz to 20 kHz |

### SECTION - B

Answer the following questions.

3 × 2 = 6

11. A rocket has been fired upwards to launch a satellite in its orbit. Name the two forces acting on the rocket immediately after leaving the launching pad.
12. Give examples to show that friction is both a friend and a foe.
13. What are the advantages of using CNG and LPG as fuels.

**SECTION - C**

Answer the following questions.

4 × 4 = 16

14. Identifying actions effect of force on objects.

S.No.	Description of situation	How to apply force	Action of force			
			Change in state of motion		Change in shape	
			Yes	No	Yes	No
1	A lump of dough on a plate	Pressing it down with your hands				
2	Spring fixed to the seat of a bicycle	By sitting on the seat				
3	A rubber band suspended from a hook	By hanging a weight				
4	A plastic or metal scale placed between two bricks	By putting a weight at the centre of the scale				

15. Discuss the various ways to reduce the friction.
16. Why is petrol exhaustible natural resource where as sunlight is not? Explain.
17. List sources of noise pollution in your surroundings.

**SECTION - D**

Answer the following questions.

1 × 8 = 8

18. a) What are contact and non-contact forces? Explain briefly with suitable examples.

(OR)

- b) Explain how petroleum is formed with help of a diagram.

Time: 1 Hr. 30 Min.

PART - B (Biological Science)

Marks: 40

**SECTION - A**

Fill in the Blanks.

8 × 1 = 8

19. Micro organisms can be seen with the help of a .....
20. The process of conversion of sugar into alcohol is called .....
21. The same kind of plants grown and cultivated on a large scale at a place is called .....
22. Damaged seeds would ..... on top of water.
23. The supply of water to crops at regular intervals is called .....
24. The fusion of ovum and sperm is called .....
25. The animals which give birth to young ones are called .....
26. Separation of the grains from the chaff is called .....

Match the following.

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

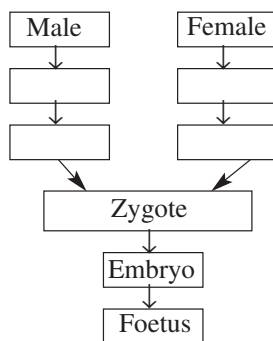
27. Kharif crops ( ) a) Wheat, gram, pea  
 28. Rabi crops ( ) b) Paddy and maize  
 29. Chemical fertilisers ( ) c) Animal excreta, cow dung, urine and plants waste  
 30. Organic manure ( ) d) Urea, super phosphate

### SECTION - B

Answers the following questions.

$$3 \times 2 = 6$$

31. Give two examples of each.  
 a) Kharif b) Rabi  
 32. What are the major groups of micro organisms?  
 33. Complete the following flow chart.



### SECTION - C

Answer the following.

$$4 \times 4 = 16$$

34. Differentiate between Internal fertilisation and External fertilisation.  
 35. Draw any two micro organisms and name them.  
 36. What are weeds? How can we control them?  
 37. Fill the following table.

S.No	Plant Diseases	Micro organism	Mode of transmission
1.	Citrus canker	Bacteria	a) -----
2.	Rust of wheat	b) -----	c) -----
3.	Yellow vein mosaic of bhindi (Okra)	Virus	d) -----

### SECTION - D

Answer the following questions.

$$1 \times 8 = 8$$

38. a) Draw the diagram of male reproductive system and label the parts.  
 (OR)  
 b) Differentiate between Fertiliser and Manure.

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