

Class : 7

Register
Number**THIRD TERM - SUMMATIVE ASSESSMENT(SA) - 2023-24****SCIENCE**

Time Allowed : 2.00 Hours]

[Max. Marks : 60

10x1= 10

I. Choose the correct answer.

- Light that hits a mirror gets -----
a) Transmitted b) Reflected c) Absorbed d) Refracted
- Telescope was invented by -----
a) Han Lippershey b) Galileo
c) Nicolus Copernicus d) Ptolomy
- With the launch of this satellite, ISRO became capable of launching 4 ton heavy satellites.
a) GSAT - 13 b) GSAT - 14 c) GSAT - 17 d) GSAT - 19
- Which of the following is the strongest?
a) Rayon b) Nylon c) Acrylic d) Polyester
- is a non - biodegradable material.
a) Paper b) A plastic bottle c) Cotton cloth d) Wool
- Aspirin is -----
a) Antibiotic b) Antipyretic c) Sedative d) Psychedelic
- Which is the hottest part in the flame of candle -----
a) Blue b) Yellow c) Black d) Way part
- The cultivation and production of silk is known as -----
a) Horticulture b) Floriculture c) Agriculture d) Sericulture
- Sorter's Disease is otherwise known as -----
a) Asthma b) Anthrax c) Typhoid d) Cholera
- The key board shortcut is used to copy the selected text -----
a) Ctrl + C b) Ctrl + V c) Ctrl + X d) Ctrl + A

II. Answer the following. (any 15)

15x2=30

- What are the properties of shadow.
- Write the items given here in the correct column.

(Stars, brick walls, plants, mirror)

Sources of Light :

Objects that reflect light :

13. Fill in the blanks.

- is the first satellite launched by India.
 - World ORS Day is -----
- Name the four different types of galaxies.
 - Give the expansions of PSLV and GSLV.
 - Match the following.**

(i) PVC	-	Meat
(ii) Bakelite	-	Thermosetting plastic
(iii) Cocoons	-	Thermoplastic
(iv) Goat	-	Silkworm

CH / 7 / Sci / 1

17. A bucket made of plastic does not rust like a bucket made of iron. Why?
18. What is the 5R principle?
19. Why do antiseptics differ from disinfectants?
20. If 4.5 Kg of fuel is completely burnt and amount of heat produced stands measured at 1,80,000 KJ. What is the calorific value.
21. **State true or false : If false give the correct answer.**
 (i) Oxygen is necessary for combustion -
 (ii) Wool is the fibre derived from the silkworm -
22. How many types of combustion are there?
23. **Assertion and Reasoning:**
Assertion : Wool is the fibre derived from the fur of animals.
Reason : Animals like goat, yak and rabbit yields wool.
 a) Both Assertion and Reasoning is correct b) Assertion is correct but Reason is wrong
 c) Assertion is wrong but Reason is correct d) Assertion and Reason are in correct
24. Write about any two dairy products.
25. Write the symptoms of Anthrax.
26. Honey is recommended for all. Why? What is its significance.
27. **Analogy :** i) Cotton : natural ii) Tincture : Antiseptic
 Polyester : ----- histamine : -----
28. Why danger lights in vehicles are red in colour?
29. What is Animal Husbandary?
30. How to open an existing document?

PART - C

III. Answer any one question from each section.

(Draw a diagram if necessary)

4X5=20

SECTION - 1

31. With the help of a diagram, state the laws of reflection?

(OR)

32. What are the Characteristics of an image formed in a plane mirror.

SECTION - 2

33. Explain the waxing and waning phases in venus.

(OR)

34. List the advantages and disadvantages of synthetic fibres.

SECTION - 3

35. Make labeled diagram of a candle flame.

(OR)

36. What are the major steps involved in this wool factory.

SECTION - 4

37. Write the uses of the wool.

(OR)

38. Define the following terms:

- | | |
|-----------------|-----------------------|
| a) Incident ray | b) Reflected ray |
| c) Normal | d) Angle of incidence |

CH/7/Sci/2

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I. Choose the correct answer.

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- Which of the following is the strongest?
a) Rayon b) Nylon c) Acrylic d) Polyester
- is a non - biodegradable material.
a) Paper **b) A plastic bottle** c) Cotton cloth d) Wool
- Aspirin is -----
a) Antibiotic **b) Antipyretic** c) Sedative d) Psychedelic
- Which is the hottest part in the flame of candle -----
a) Blue b) Yellow c) Black d) Waxy part
- The cultivation and production of silk is known as -----
a) Horticulture b) Floriculture c) Agriculture **d) Sericulture**
- Sorter's Disease is otherwise known as -----
a) Asthma **b) Anthrax** c) Typhoid d) Cholera
- The key board shortcut is used to copy the selected text -----
a) Ctrl + C b) Ctrl + V c) Ctrl + X d) Ctrl + A

II. Answer the following. (any 15)

- What are the properties of shadow. *Only opaque objects form shadows. 5x2=30*
- Write the items given here in the correct column. *(i) Shadows are formed in opposite side of light source.*

(Stars, brick walls, plants, mirror)

Sources of Light : *Stars*Objects that reflect light : *Brick walls, plants, mirror.*

13. Fill in the blanks.

Aryabhata is the first satellite launched by India.ii) World ORS Day is *July 29*.14. Name the four different types of galaxies. *Spiral, Elliptical, irregular, barred spiral*

15. Give the expansions of PSLV and GSLV.

16. Match the following.

- | | | |
|---------------|-------------------------|----------|
| (i) PVC | - Meat | <i>4</i> |
| (ii) Bakelite | - Thermosetting plastic | <i>2</i> |
| (iii) Cocoons | - Thermoplastic | <i>1</i> |
| (iv) Goat | - Silkworm | <i>3</i> |

PSLV → Polar Satellite launch vehicle.
GSLV → Geosynchronous

CH/7/Sci/1

- react with oxygen and humidity in air because plastic do not.
17. A bucket made of plastic does not rust like a bucket made of iron. Why?
18. What is the 5R principle? *Reduce, Reuse, Recycle and Recover.*
19. Why do antiseptics differ from disinfectants?
20. If 4.5 Kg of fuel is completely burnt and amount of heat produced stands measured at 1,80,000 KJ. What is the calorific value. $= \frac{\text{heat produced}}{\text{Amount of fuel}} = \frac{180000}{4.5} = 40,000 \text{ kJ/kg.}$
21. State true or false : If false give the correct answer.

(i) Oxygen is necessary for combustion - *True*

Silk (ii) Wool is the fibre derived from the silkworm - *False*

22. How many types of combustion are there? *Rapid, Spontaneous, explosion.*
23. Assertion and Reasoning:

Assertion : Wool is the fibre derived from the fur of animals.

Reason : Animals like goat, yak and rabbit yields wool.

- a) Both Assertion and Reasoning is correct b) Assertion is correct but Reason is wrong
c) Assertion is wrong but Reason is correct d) Assertion and Reason are in correct

24. Write about any two dairy products. *Paneer, Cheese*

25. Write the symptoms of Anthrax. \rightarrow *fever, cough, shortness of breathe.*

26. Honey is recommended for all. Why? What is its significance.

27. Analogy :

i) Cotton : natural

ii) Tincture : Antiseptic

Polyester : Synthetic

histamine : *Antihistamine.*

28. Why danger lights in vehicles are red in colour? \rightarrow *least scattered high wave length*

29. What is Animal Husbandary? \rightarrow *Study of breeding of animals clearly visible*

30. How to open an existing document?

G) click open file (ii) choose file PART - C (iii) Press CTRL + O. maintenance.

- III. Answer any one question from each section.

(Draw a diagram if necessary)

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SECTION - 1

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(OR)

38. Define the following terms:

a) Incident ray

b) Reflected ray

c) Normal

d) Angle of incidence

19) Antiseptic

(i) All Antiseptics are disinfectants (ii) It

can be applied on live tissue Ex Skin/Mucous

Disinfectants

(i) All disinfectants are not Antiseptic

(ii) It can be apply on inanimate object

Ex Surface floor.