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**B** **THIRD TERM SUMMATIVE EXAM - 2024** Science BT,  
Thiruvallur district Standard - VII GHS, Athupattu

Time: 2.00 hrs

SCIENCE

Marks:60

I Choose the best Answer.

10x1=10

- Light that hits a mirror gets \_\_\_\_\_  
a) Transmitted      b) Reflected      c) Absorbed       d) Refracted
- Light is a form of \_\_\_\_\_  
a) matter       b) energy      c) medium      d) particle
- Telescope was invented by \_\_\_\_\_  
 a) Han Lippershey      b) Galileo      c) Nicolaus Copernicus      d) Ptolomy
- The galaxy containing young and hot stars is \_\_\_\_\_  
a) elliptical galaxy      b) irregular galaxy      c) cluster       d) spiral galaxy
- The first man - made fibre is \_\_\_\_\_  
 a) Nylon      b) Polyester      c) Rayon      d) Cotton
- \_\_\_\_\_ is a non - biodegradable material.  
a) paper       b) A plastic bottle      c) cotton cloth      d) wool
- \_\_\_\_\_ are that neutralize stomach acid.  
 a) Anta acid      b) Antipyretic      c) Analgesic      d) Antihistamics
- Which is the hottest part in the flame of candle \_\_\_\_\_  
 a) Blue      b) Yellow      c) Black      d) Way part
- Eggs are rich in \_\_\_\_\_  
 a) Protein      b) Carbohydrate      c) fat      d) Acid
- The keyboard shortcut is used to copy the selected text \_\_\_\_\_  
a) Ctrl + C      b) Ctrl + V       c) Ctrl + X      d) Ctrl + A

II Fill in the blanks

5x1=5

- Sunlight is a blend of 7 colours.
- \_\_\_\_\_ is the first satellite launched by India. Aryabhata.
- A natural fibre is called Polymer
- Penicillin was first discovered by Dr. Alexander Fleming.
- \_\_\_\_\_ is extracted from bre hives. Honey

III Match the following:

5x1=5

- | A              | B                                |
|----------------|----------------------------------|
| (1) 16. Nylon  | - Thermoplastic <u>2</u>         |
| (2) 17. PVC    | - Thermosetting plastic <u>3</u> |
| (3) 18. Bake   | - Fibre <u>1</u>                 |
| (4) 19. Teflon | - Wood pulp <u>5</u>             |
| (5) 20. Rayon  | - Non-stick cookwares <u>4</u>   |

34 PSLV - Polar Satellite launch vehicle.  
GSLV - Geosynchronous Satellite launch vehicle.

(2)

VII Science

IV State true (or) false. If false correct the statement:

5x1=5

21. The image formed in a pinhole camera is always inverted. ✓  
 22. Our milky way galaxy is identified as an elliptical galaxy. ✗ spiral galaxy.  
 23. Refuse (avoid) is the best way to manage plastic.  
 24. All fuels form flame. ✗ (Ans) All fuels do not form flame.  
 25. Ahimsa silk is otherwise known as Mulberry silk. ✗  
 Pease Silk

V Use the analogy to fill in the blanks:

5x1=5

26. Older stars : elliptical galaxies : Younger stars : Spiral galaxies  
 27. Nearest galaxy : Andromeda : Nearest star : Alpha Centauri  
 28. Cotton : natural :: Polyester : Synthetic  
 29. Inner zone of flame : Black :: Outer zone of flame : Blue  
 30. Nylon : melts on heating :: silk : Burns

VI Give very short answer (any 10)

31. Is the moon a luminous object? NO, Because moon reflects sunlight 10x2=20  
 32. What is plane mirror? (Ans) Mirror with flat reflecting surface  
 33. Name the four different types of galaxies? Spiral, elliptical, barred spiral & Irregular galaxy  
 34. Give the expansions of PSLV and GSLV.  
 35. What gives plastic different qualities and characteristics?  
 36. What is the 5R principle? Refuse, Reduce, Reuse, Recycle & Recover.  
 37. What does the term biodegradable mean?  
 38. How many types of combustion are there? 8 types Rapid, Spontaneous, explosion.  
 39. What is ignition temperature?  
 40. Write about any two dairy products? (Ans) Panear, cheese.  
 41. Define - Sericulture. Production of silk.  
 42. How to close a document?  
 (Ans) By selecting close command on menu bar.

VII Answer in Detail:

2x5=10

43. a) Define the following terms.

- Incident ray
- Reflected ray
- Normal
- Angle of incidence

(OR)

b) Write short notes on constellations.

44. a) Make labeled diagram of a candle flame.

(OR)

b) What are the major steps involved in this wool factory.

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## 7th Science Third term Summative assessment

**35.What gives plastic different qualities and characteristics?**

**Answer:**

Different chemicals (additives) are added to plastic to give them various qualities and characteristics.

**37.What does the term biodegradable mean?**

**Answer:**

A material that gets decomposed through natural processes and action by bacteria is called biodegradable

**39.What is ignition temperature?**

**Answer:**

The minimum temperature at which a substance catches fire and burns is called its ignition temperature..

**Answer in detail**

**43a)Define the following terms**

- a. Incident ray**
- b. Reflected ray**
- c. Normal**
- d. Angle of incidence**

**Answer:**

**(a) Incident ray** The ray of light that falls on the surface of the reflection materials.

**(b) Reflected ray:** The ray of light that comes from the point when the incident ray falls on the reflection material.

**(c) Normal:** The perpendicular line drawn from, the point of incidence to the plane of reflecting surface is called normal.

(d) Angle of incidence The angle formed between the incident ray PO and the normal 'ON' is angle of incidence

43b) Write short notes on constellations.

Answer:

A constellation is a recognizable pattern of stars in the night sky when viewed from the Earth.

International Astronomical Union has classified 88 constellations to cover the entire celestial sphere.

Ursa Major (Saptha Rishi Mandalam) is a large constellation and it covers a large part of the sky

Ursa Minor in Latin means 'the little bear' it lies in the northern sky. The Pole star – Polaris (Dhruva) lies within this constellation. The main group, 'little dipper', consists of seven stars and is quite similar to that found in Ursa Major..

44a) Diagram of candle flame?



44b. What are the major steps involved in this wool factory?

Answer:

The processing of wool involves five major steps.

They are as follows Shearing, Grading (or) Sorting, Washing (or) Scouting, Carding and Spinning.

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