



Padalsalai's Telegram Groups!

(தலைப்பிற்கு கீழே உள்ள லிங்கை கிளிக் செய்து குழுவில் இணையவும்!)

- **Padalsalai's NEWS - Group**
https://t.me/joinchat/NIfCqVRBNj9hhV4wu6_NqA
- **Padalsalai's Channel - Group**
<https://t.me/padasalaichannel>
- **Lesson Plan - Group**
<https://t.me/joinchat/NIfCqVWwo5iL-21gpzrXLw>
- **12th Standard - Group**
https://t.me/Padasalai_12th
- **11th Standard - Group**
https://t.me/Padasalai_11th
- **10th Standard - Group**
https://t.me/Padasalai_10th
- **9th Standard - Group**
https://t.me/Padasalai_9th
- **6th to 8th Standard - Group**
https://t.me/Padasalai_6to8
- **1st to 5th Standard - Group**
https://t.me/Padasalai_1to5
- **TET - Group**
https://t.me/Padasalai_TET
- **PGTRB - Group**
https://t.me/Padasalai_PGTRB
- **TNPSC - Group**
https://t.me/Padasalai_TNPSC

COMMON FIRST TERM SUMMATIVE EXAMINATION-2019

V

Standard VIII

Reg.No.

8	2	1	8
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Time: 2.30 hours.

SCIENCE

Marks: 60

Part - I

10 x 1 = 10

I. Choose the correct answer:

1. SI unit stands for _____.
 - a) International System of units
 - b) Integrated System of units
 - c) International Symbol of units
 - d) Integrated Symbol of units
2. SI unit of amount of substance is _____.
 - a) kilogram
 - b) mole
 - c) kelvin
 - d) ampere
3. Fluid pressure is directed in _____.
 - a) in all directions
 - b) only upwards
 - c) only downwards
 - d) always side ways
4. The refractive index of water is _____.
 - a) 1.0
 - b) 1.33
 - c) 1.44
 - d) 1.52
5. The liquid metal used in thermometers is _____.
 - a) copper
 - b) mercury
 - c) silver
 - d) gold
6. Burning of paper is a _____ change.
 - a) physical
 - b) chemical
 - c) physical & chemical
 - d) neutral
7. The plant body of algae is called as _____.
 - a) stem
 - b) thallus
 - c) leaf
 - d) root
8. _____ is an example for colonial form of algae.
 - a) oscillatoria
 - b) nostoc
 - c) volvox
 - d) chlorella
9. _____ is the process in which energy is released while food is oxidised.
 - a) digestion
 - b) respiration
 - c) osmoregulation
 - d) homeostasis
10. Who is the father of computer?
 - a) Martin Luther King
 - b) Graham Bell
 - c) Charlie Chaplin
 - d) Charles Babbage

Part - II

15 x 2 = 30

II. Answer any 15 questions:

11. Name some common systems of measurement.
12. Convert 80°C into Kelvin.
13. Arrange the following in the increasing order: Rolling friction, static friction, sliding friction
14. How do sailors protect their ship during a heavy storm?
15. Choose the correct option and fill in the blanks:
An empty water bottle floats in water because of _____ where as a brick sinks in water because of _____.
[buoyant force greater than the weight of the object, buoyant force less than the weight of the object, buoyant force equal to the weight of the object]
16. Match the following:

a. Multiple reflections	- bending of light
b. Refraction	- kaleidoscope
c. Dispersion	- diffused reflection
d. Irregular reflection	- rainbow
17. State the laws of reflection.
18. Write the constituent elements and their symbols for the following compounds:
 - a) Carbon monoxide
 - b) Washing soda
19. Give reason for the following: Sodium and potassium are stored in kerosene.

(2)

VIII Science

20. **Fill in the blanks:**

- a. Element : metal, _____, non-metal
 b. Compound: organic compound, _____

21. Mention the various conditions required for a chemical reaction to occur.

22. **Fill in the blanks:**

- a. _____ is the branch of chemistry that deals chemical reactions involving light.
 b. The chemical reactions that release the heat energy is called _____

23. What are the five categories of microorganisms?

24. Which diseases can be prevented by vaccination?

25. **Match the following:**

- | | |
|-----------------------------|-------------|
| a) Nitrogen fixing bacteria | - Vaccine |
| b) Tuberculosis | - Prion |
| c) Kuru | - Bacteria |
| d) Edward Jenner | - Rhizobium |

26. Write any two economic importances of fungi.

27. **Assertion & Reason:**Assertion (A) : Penicillin is an antibiotic extracted from *Penicillium notatum*.

Reason (R) : It can kill (or) inhibits the growth of the other micro organism.

- a) If both assertion and reason are true and reason is the correct explanation of assertion
 b) If both assertion and reason are true and reason is not the correct explanation of assertion
 c) If assertion is true but reason is false d) If both assertion and reason are false

28. Draw and label 4 parts of human eye.

29. What is cell differentiation?

30. **Match the following:**

- | | |
|--|-----------------------|
| a) Key board | - RAM |
| b) 4 th generation computer | - input device |
| c) Hardware | - integrated circuits |
| d) 3 rd generation computer | - microprocessor |

Part - III**III. Answer any 4 questions by choosing one ques. from each section:**

4 x 5 = 20

Section - 1

31. List out the base quantities with their units.

32. Define surface tension and give any 3 applications of surface tension.

Section - 2

33. What is reflection? Write short notes on regular and irregular reflection.

34. Tabulate four points of difference between metals and non-metals.

Section - 3

35. a) Define Catalysis.

b) What happens when an iron nail is placed in copper sulphate solution?

36. How micro organisms are useful in the field of medicine?

Section - 4

37. Write any five differences between monocot and dicot plants.

38. What is mean by cellular respiration? Tabulate the difference between aerobic and anaerobic respiration.
