

**KANCHI KALVI'S -AUGUST MONTHLY TEST (2016-17)****X STD                      SCIENCE (Ln's- 2,7,11)                      MARKS – 50****TIME – 1.30hrs****I. Choose the correct answer;                      (10x1=10)**

1. \_\_\_\_\_ is a bacterial disease.  
i) Meningitis    ii) Rabies    iii) Tetanus    iv) Small pox
2. One of the following is transmitted through air. Find it out.  
i) Tuberculosis    ii) Meningitis    iii) Typhoid    iv) Cholera
3. The most serious form of malaria is caused by Plasmodium \_\_\_\_\_.  
i) ovale    ii) malariae    iii) falciparum    iv) vivax
4. An example of protozoan infecting our intestine is \_\_\_\_\_.  
i) Plasmodium vivax                      ii) Entamoeba histolytica  
iii) Trypanosoma gambiense    iv) Taenia solium
5. \_\_\_ is a green house gas which causes climate change and global warming.  
i) hydrogen    ii) oxygen    iii) nitrogen    iv) carbondioxide
6. The \_\_\_\_\_ form decomposers in the pond ecosystem.  
i) plants    ii) bacteria    iii) frogs    iv) phytoplanktons
7. \_\_\_ is used in seeding clouds. i) potassium iodide    ii) calcium carbonate  
iii) sulphurdioxide    iv) ammonium phosphate
8. Chemical volcano is an example of \_\_\_\_\_.  
(combination reaction / decomposition reaction)
9. When aqueous solution of silver nitrate and sodium chloride are mixed, \_\_\_\_\_ precipitate is immediately formed (white / yellow / red).
10. Vinegar is present in \_\_\_\_ (Lactic acid / acetic acid/ Tartaric acid).

**II. Answer (any 15) of the following;                      (15x2=30)**

11. Differentiate between the diseases-night blindness and colour blindness.
12. Name the vector host of the malarial parasite. Mention the species of malarial parasite which causes malignant and fatal malaria.
13. Name the tests done for the diagnosis and confirmation of AIDS.
14. What is triple antigen? Name the three diseases which, can be prevented by using it.
15. Mention type of immunity acquired by baby thro' breast- feeding.
16. Name two diseases that are transmitted by houseflies. Mention their Causative pathogens.
17. Classify following into producers, consumers, decomposers.  
i) butterfly    ii) grass hopper    iii) calottes    iv) snakes  
v) shoe flower    vi) nitrobacteria

**18. Fill in the blanks;**

i) Animals give out \_\_\_\_\_ through respiration.

ii) In the presence of sunlight, plants prepare \_\_\_\_\_.

19. Bacteria and fungi are responsible for the decay of dead plants and animals. Decaying matter is recycled to grow plants. What do we call this?

20. Show an aquatic food chain using the following organisms.

(Small fish, Phytoplanktons, Kingfisher, Zooplanktons)

21. **Assertion (A)** : Coal and petroleum are called fossil fuels.

**Reason (R)** : Fossil fuels are formed from the remains of dead organisms after millions of years.

i) Both 'A' and 'R' are true and 'R' explains 'A'.

ii) Both 'A' and 'R' are true and but 'R' doesn't explain 'A'

iii) Only 'A' is true but 'R' is false. iv) 'A' is false but 'R' is true.

22. Write about ; pH of Soil

23. List the uses of Bleaching Powder ( $\text{CaO} \cdot \text{Cl}_2$ )

24. Why does the colour of copper sulphate change when an iron nail is kept in it? Justify your answer.

25. The hydroxide ion concentration of a solution is  $1.0 \times 10^{-8} \text{M}$ . What is the pH of the solution?

26. Define the term acidity

27. Why Acetic acid is called a monobasic?.

**III. Answer the following in detail; (2x5=10)**

27. Kala has delivered a baby,

i) Suggest the immunization schedule for the baby, in the first six months.

ii) What are the diseases that can be cured as per the schedule?

(OR) 15th October is observed as 'Handwashing Day' .

i) Tell your friend the effects of hand washing.

ii) How frequently do you wash your hands everyday and when?

28. List out the Principles & Products Produced by the Green Chemistry

(OR) Describe about Rain Water Harvesting

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