

KENDRIYA VIDYALAYA KHAMMAM

Half-Yearly Examination (2017-18)

Class – VIII
Subject: Science

Max Marks: 80
Duration:

I) **Fill in the blanks:**

10x1=10m

1. The process of conversion of sugar into alcohol is called _____.
2. The first step before growing crops is called _____ of the soil.
3. Synthetic fibres are prepared from raw material called _____.
4. Metals are _____ conductors of heat and _____.
5. The process of separation of different constituents from petroleum is called _____.
6. The substance that undergoes combustion is called _____.
7. Species found only in a particular area is known as _____.
8. The fertile land gets converted into deserts is called as _____.
9. Amoeba is a _____ organism.
10. The fusion of ovum and sperm is called _____.

II) **Multiple choice questions:**

10x1=10 m

11. Cutting of the mature crop manually or by machines is called as
a) Ploughing b) Harvesting c) Sowing d) Manuring
12. During the development of frog, the tadpole cannot become adult if the water in which the tadpoles are growing does not have sufficient
a) Magnesium b) Fluorine c) Iodine d) Chlorine
13. The most common carrier of communicable diseases is
a) Butterfly b) Cockroach c) Housefly d) Female Anopheles mosquito
14. The metal that is present in blood is
a) Iron b) Copper c) Sodium d) Magnesium
15. A tadpole develops into an adult frog by the process of
a) Metamorphosis b) Fertilization c) Embedding d) Budding
16. Least polluting fuel is
a) Wood b) CNG c) Kerosene d) Diesel
17. Which of the fuels has the highest calorific value?
a) Coal b) LPG c) Petrol d) Hydrogen
18. The basic structural unit of an organism is
a) Tissue b) Cell c) Organ d) Organ system
19. The no. of nuclei present in a zygote is
a) Two b) four c) one d) None
20. The right meal for adolescents consists of
a) Chips, noodles, coke b) Chapathi, dal and vegetables c) rice, noodles, and burger
d) Cutlets, chips, and lemon drink

III) Short Answer Questions-2 marks questions:**8x2=16M**

21. Write any two differences between manure and fertilizers.
22. Which zone of a flame does a goldsmith use for melting gold and silver and why?
23. Differentiate between prokaryotic cell and eukaryotic cell.
24. Define adolescence.
25. Write about kharif crop and rabi crop with example.
26. What do you understand by the term migration?
27. Where are the chromosomes found in a cell? State their function.
28. What are weeds? How can we control them?

IV) Short answer questions-3 marks questions:**8x3 = 24m**

29. Write a note on communicable diseases.
30. Complete the following chemical reactions:
 - a) Copper Sulphate(CuSO_4) + Zinc(Zn) ----- \rightarrow _____ + _____
 - b) Zinc Sulphate (ZnSO_4) + Copper (Cu) ----- \rightarrow _____ + _____
 - c) Copper Sulphate (CuSO_4) + Iron nail ----- \rightarrow _____ + _____
31. Draw a neat labeled diagram of candle flame.
32. Describe the characteristics and uses of coke.
33. Write about at least 3 harmful microorganisms and the diseases caused by them.
34. Draw a neat labeled diagram of plant cell or animal cell.
35. Can you store a lemon pickle in Aluminium utensil? Explain.
36. What are the tips suggested to save petrol or diesel while driving according to Petroleum Conservation Research Association (PCRA)?

VII) Long Answer Questions:**4 x 5=20m**

- 37) Prepare a table depicting names of endocrine glands and hormones secreted by them and their functions.
- 38) Define asexual reproduction. Describe two methods of asexual reproduction in animals with diagrams.
- 39) Answer the following:
 - a) Differentiate between endangered and extinct species
 - b) Flora and fauna
 - c) Migration.
- 40) a) Categorise the materials of the following products into "can be recycled" and cannot be recycled."
Telephone instruments, plastic toys, cooker handles, carry bags, ball point pens, plastic bowl, plastic covering on electrical wires, plastic chairs, and electrical switches.
 - b) "Avoid plastics as far as possible." Comment on this advice.