



ST. JOSEPH'S COLLEGE, PRAYAGRAJ
SECOND UNIT TEST - 2023
BIOLOGY

Class-9

Max. Mks: 30

(Max Time; 90 minutes)

Q I. Select the correct answers to the questions from the given options:(6)

- The plants belonging to this group bear naked seeds.
 - Thallophyta
 - Bryophyta
 - Gymnosperms
 - Pteridophyta
- A fungus that is used for flavouring cheese.
 - Azotobacter
 - Penicillium
 - Saccharomyces
 - Agaricus
- The antibiotic discovered by Selman Waksman.
 - Tetracycline
 - Penicillin
 - Chloromycetin
 - Streptomycin
- A vaccine can be obtained from I. killed bacteria II. living weakened germs.
 - Option I only
 - Option II only
 - Option I and II
 - None of the above
- A group of related families make a / an
 - Class
 - Genus
 - Phylum
 - Order
- The question consists of two statements; Assertion (A) and Reason(R). Select the most appropriate option.

Assertion(A): The kneaded flour shows leavening when yeast is added to it.
Reason(R): Yeast ferments the sugar and produces carbon dioxide.

 - Both A and R are true and R is the correct explanation of A.
 - Both A and R are true but R is not the correct explanation of A.
 - A is true but R is false.
 - A is false but R is true.

Q II. Answer the questions briefly:

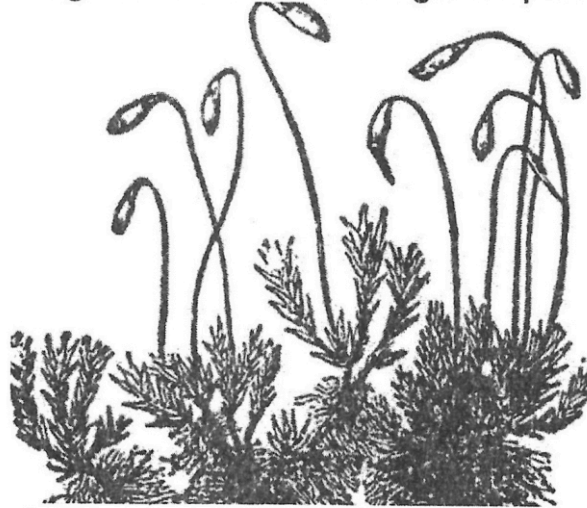
- Give the technical terms for the following:
 - A technique of partial sterilization applied usually to milk.
 - The inactivated toxins of a bacteria that can stimulate the production of a particular antibodies.
- Define: a). Antibiotic b) Fermentation

3. Name the phylum against the following characteristics:
 - a. Unsegmented body with protective calcareous shell.
 - b. Jointed legged animals.
4. What is the role of Nitrosomonas and Nitrobacter in the process of nitrification?
5. How is serum prepared?
6. Mention two distinct features of Phylum Chordata?

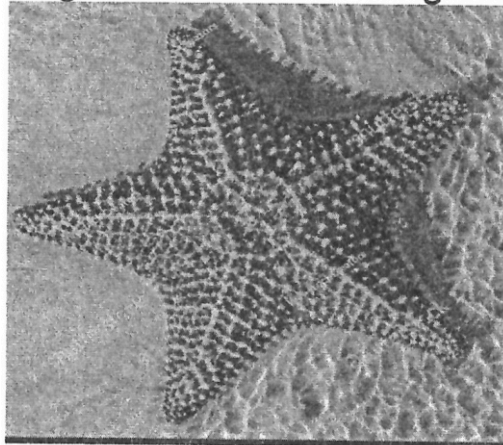
Q III. Answer the following Questions:

(3x4=12)

1. Study the given figure and answer the given questions:



- a. Identify the picture.
 - b. To which division of Kingdom Plantae does it belong?
 - c. It lacks true roots, true stem and true leaves. What are these structures called?
2. a. Identify the organism shown in the figure.



- b. Name the phylum to which the organism belongs.
 - c. Mention two characteristic features of the given phylum.
3. i. Name two bacterial diseases of plants and animals.
ii) Bacteria is used as a bio weapon. Comment on the given statement.
4. Differentiate among flatworms, roundworms and ringed worms on the basis of:
 - a) segmented/unsegmented body. b) body cavity c) opening on alimentary canal.

*****ALL THE BEST*****