



# BIOLOGY

## BOOKS - ICSE

### ECONOMIC IMPORTANCE OF BACTERIA AND FUNGI

#### 1 Mark Questions

1. Bacteria used to convert amino ammonium compounds:

A. Ammonifying bacteria

B. Nitrifying bacteria

C. Symbiotic bacteria

D. Denitrifying bacteria

**Answer: A**



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**2. A nitrogen fixing bacteria is :**

A. Azotobacter

B. E.coli

C. Bacillus anthracis

D. Vibrio cholerae

**Answer: A**



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**3. State any two ways by which food can be preserved.**



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4. How penicillin kills bacteria ?



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5. Choose the ODD one out from the following terms given and name the CATEGORY to which the others belong:

Bacillus dysenteriae, Mycobacterium Leprae,  
Clostridium botulinum, Rhizobium  
leguminosarum, Bacillus typhosus.



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## 2 Marks Questions

1. (A) ..... is heating milk to a temperature of (B).....  $^{\circ}C$  and then chilling quickly



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2. Fill in the blanks with suitable words:

(A) ....Nitrosomonas (B) .....



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**3. Name the following:**

A serious food poisoning disease caused due to a bacterium in tinned foods.



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**4. Name the following:**

The process in which water is boiled to kill microorganisms like bacteria except the spores.



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5. Why should you never try to eat mushrooms from the field?



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6. Give appropriate biological / technical terms for the following:

A type of food poisoning caused by Clostridium.



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7. Give appropriate biological / technical terms for the following:

Process of introducing mushroom seeds into compost.



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8. State two industrial uses of bacteria.



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9. State two useful roles of fungi.



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10. Describe the role of fungi in the field of medicine.



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**3 Marks Questions**

1. Differentiate between the following pairs on the basis of what is given in the brackets :

Mould and Yeast (Example)



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2. Differentiate between the following pairs on the basis of what is given in the brackets :

Bacteria and Fungi (Example)



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**3. Differentiate between the following pairs on the basis of what is given in the brackets :**

Useful bacteria and Harmful bacteria

(Example)



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**4. Match the items in column A with those in Column B :**

**Column A**

1. Xerophytes
2. Habitat
3. Terrestrial habitat
4. Streamlined body
5. Webbed feet

**Column B**

- (a) Fish
- (b) Frog
- (c) Desert plants
- (d) Place of living of organisms
- (e) Plants that live on land



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5. Answer the following questions related to Mushroom Cultivation :

Which is the most common variety of cultivated mushroom?



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6. Answer the following questions related to Mushroom Cultivation :

What is meant by "mushroom seed"



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7. Answer the following questions related to Mushroom Cultivation :

What is done in the step called "casing"?



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**5 Marks Questions**

1. Give an example :

A mushroom



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2. Nitrifying bacteria



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3. Give an example :

A mould



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**4. Give an example :**

Bacteria used as a bioweapon



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**5. Give an example :**

An anaerobic bacteria



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6. Give an example :

A medicinal fungus



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7. Give examples of cyanobacteria



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8. Give an example :

A denitrifying bacteria







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**9. Give an example :**

A bacterial disease of plant



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**10. Give an example :**

A bacterial disease of human



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11. Name the major steps of mushroom cultivation.



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12. Study the diagram given below and then answer the questions.

Briefly describe how nitrogen of the atmosphere is converted to nitrates by leguminous plants.



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**13.** Study the diagram given below and then answer the questions.

Name the bacteria that converts

(a) ammonium compounds to nitrates

(b) nitrites to nitrates.



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**14.** Study the diagram given below and then answer the questions.

State how nitrates in the soil get converted to nitrogen of the atmosphere.



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**15.** Study the diagram given below and then answer the questions.

Role of plants and animals in the formation of ammonium compounds.



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