



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.

4. How penicillin kills bacteria ?



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.





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)

3. Name the following:

A serious food poisoning disease caused due

to a bacterium in tinned foods.



4. Name the following:

The process in which water is boiled to kill

microorganisms like bacteria except the

spores.



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.

7. Give appropriate biological / technical terms

for the following:

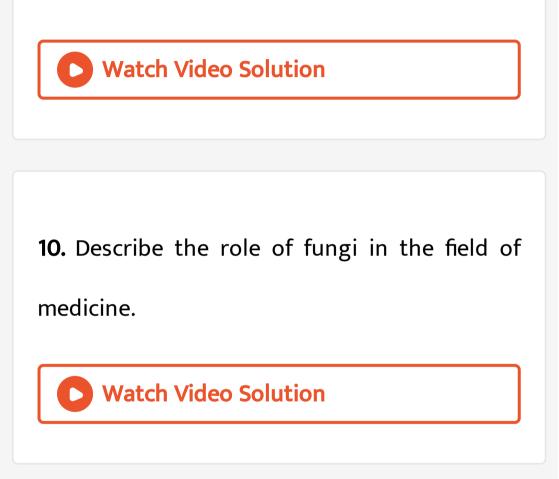
Process of introducing mushroom seeds into

compost.

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8. State two industrial uses of bacteria.

9. State two useful roles of fungi.



3 Marks Questions

1. Differentiate between the following pairs on

the basis of what is given in the brackets :

Mould and Yeast (Example)



2. Differentiate between the following pairs on

the basis of what is given in the brackets :

Bacteria and Fungi (Example)

3. Differentiate between the following pairs on

the basis of what is given in the brackets :

Useful bacteria and Harmful bacteria

(Example)



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





5. Answer the following questions related toMushroom 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"



7. Answer the following questions related to

Mushroom Cultivation :

What is done in the step called "casing"?

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5 Marks Questions

A mushroom

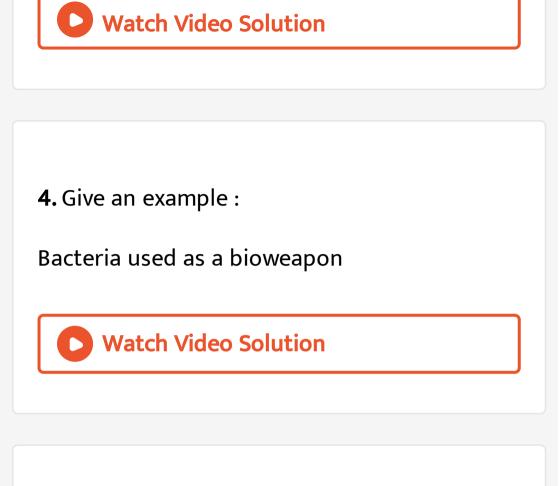
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2. Nitrifying bacteria

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3. Give an example :

A mould



An anaerobic bacteria

A medicinal fungus



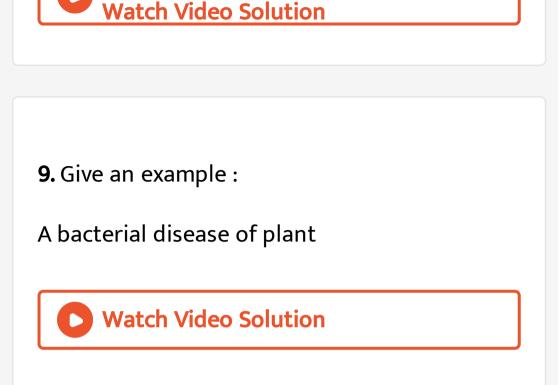
7. Give examples of cyanobacteria

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8. Give an example :

A denitrifying bacteria





A bacterial disease of human

11. Name the major steps of mushroom

cultivation.



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.



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.



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

State how nitrates in the soil get converted to

nitrogen of the atmosphere.



15. Study the diagram given below and then

answer the questions.

Role of plants and animals in the formation of

ammonium compounds.

