



# BIOLOGY

## BOOKS - SURA PUBLICATION

### MICROORGANISMS

#### Example

1. Micro organisms are measured in .....

A. cm

B. mm

C. micron

D. meter

**Answer:**



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2. .... Shows both living and non-living characteristics.

A. Protozoa

B. virus

C. bacteria

D. Fungi

**Answer:**



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**3. .... Is a prokaryotic micro organisms.**

A. Virus

B. Algae

C. Fungi

D. Bacteria

**Answer:**



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**4.** Based on shape, the bacteria are classified into ..... Types.

A. 2

B. 3

C. 4

D. 5

**Answer:**



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5. Common cold in human caused by .....

A. Plasmodium

B. Influenza

C. Vibrio Cholera

## D. Aphthovirus

**Answer:**



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**6. Fill in the blanks : .....is prepared from a mould called Penicillium.**



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7. Fill in the blanks : ..... are the infectious protein particles.



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8. Fill in the blanks : The infect virus particle found outside the host cell is .....



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**9.** Fill in the blanks Micro organism can be seen with the help of a .....



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**10.** Fill in the blanks : Bacteria ,which have a flagellum at one end is classified as .....



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## 11. Match the following :

1. Nitrogen fixing bacteria	(a) Vaccine
2. Tuberculosis	(b) Prion
3. Kuru	(c) <i>Lactobacillus acidophilus</i>
4. Probiotics	(d) Bacteria
5. Edward Jenner	(e) <i>Rhizobium</i>



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12. True or False : Disease causing micro organisms are called pathogens.



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**13.** True or False : Female Anopheles mosquito is a carrier of dengue virus.



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**14.** True or False : Chicken pox is a communicable disease.



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**15.** True or False : Citrus cranker is transmitted by insects.



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**16.** True or False : Yeast is used in the large scale production of alcohol.



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17. Direction : In each of the following questions , a statement of Assertion is given and a corresponding statement of Reason is given just below it .Of the four statements ,given below,mark one as the correct answer .

Assertion : Malaria is caused by Protozoa.

Reason : The disease is transmitted by mosquito.

A. If both Assertion and reason are true and Reason is the correct explanation of Assertion.

B. If both Assertion and Reason are true and Reason is not the correct explanation of Assertion.

C. If Assertion is true but Reason is false.

D. If both Assertion and Reason are false.

**Answer:**



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**18.** Direction : In each of the following questions , a statement of Assertion is given and a corresponding statement of Reason is given just below it .Of the four statements ,given below,mark one as the correct answer .

Assertion : Algae are heterotrophic.

Reason : They don't have chlorophyll.

A. If both Assertion and reason are true and Reason is the correct explanation of Assertion.

B. If both Assertion and Reason are true and Reason is not the correct explanation of Assertion.

C. If Assertion is true but Reason is false.

D. If both Assertion and Reason are false.

**Answer:**



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**19.** Write the names of any nitrogen fixing bacteria.



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**20.** Name the bacteria used in the production of vinegar.



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**21.** Write the names of three protozoans.





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**22. Who discovered penicillin ?**



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**23. Name two disease which can be prevented by vaccination.**



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**24.** Writew the four types of bacteria,based on their shape.



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**25.** What are antibiotics?



**Watch Video Solution**

**26.** What are pathogens?



**Watch Video Solution**

**27.** How diseases causing micro organisms enter into human beings ?



**Watch Video Solution**

**28.** Why micro organisms are essential for agriculture ?



**Watch Video Solution**

**29.** Write a short note on bacteria and its structure .



**Watch Video Solution**

**30.** How micro organisms are useful in the field of medicine ?



**Watch Video Solution**

**31.** Write a short note on common human diseases caused by micro organisms.



**Watch Video Solution**

**32.** How can we improve the beneficial bacterial count in human beings ?



**Watch Video Solution**

**33.** Write a short note on Probiotics.



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34. .... Is not a shape seen in bacteria.

A. Spiral

B. Rod shaped

C. Spherical

D. Tadpole

**Answer:**



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35. E.coli is an example of ..... Bacteria.

A. peritrichous

B. atrichous

C. lophotrichous

D. monotrichous

**Answer:**



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36. .... Is not a fungus .

A. Agaricus

B. Nostoc

C. Penicillium

D. Albugo

**Answer:**



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37. Grass of water' refers to .....

A. fungi

B. bacteria

C. algae

D. bryophytes

**Answer:**



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38. .... Is a bicontrol agent.

A. Mycorrhizae

B. Rhizobium

C. Trichoderma

D. Agaricus

**Answer:**



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**39.** ..... is a disease which spreads through contaminated food and water.

A. Tuberculosis

B. Cholera

C. Rabies

D. Malaria

**Answer:**



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40. FMD vaccine is used to prevent .....

A. measles

B. diphtheria

C. anthrax

D. polio

**Answer:**



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41. .... is a muted form of a usually harmless protein.

A. Virus

B. Prion

C. Virion

D. Probiotic

**Answer: probiotic**



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**42.** Fill in the blanks : The word virus means .....in Latin.



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**43.** Fill in the blanks : .....are considered to be the first living organisms on earth.



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**44.** Fill in the blanks : The nuclear material of bacteria is called .....



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**45.** The extra chromosomal DNA present in a bacteria is called \_\_\_\_\_



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**46.** Fill in the blanks :..... Is a unicellular fungus.



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**47.** Fill in the blanks : The study of fungi is called .....



**Watch Video Solution**

**48.** Fill in the blanks : Yeast has an enzyme called .....



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**49.** Fill in the blanks : The mode of respiration in yeast is .....



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**50.** Fill in the blanks : Fungi found in the roots of vascular plants are called .....



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**51.** Study of algae is called .....



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52. ....is a unicellular alga.



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53. Fill in the blanks : Fungi is made of thread like structures called .....



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**54.** Fill in the blanks : In amoeba ,locomotion takes place with the help of .....



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**55.** Fill in the blanks : In amoeba excretion takes place by .....



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**56.** Fill in the blanks : ..... are prepared from dead microbes.



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**57.** Fill in the blanks : ..... was the first person to discover vaccine for small pox.



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**58.** Fill in the blanks : Vaccination is also known as .....



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**59.** Fill in the blanks : Tuberculosis can be prevented by ..... Vaccine.



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**60.** Fill in the blanks : The process used in production of alcohol and wine is called .....

.



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**61.** Fill in the blanks : The ..... Produced during fermentation is important for the baking industry .



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**62.** Fill in the blanks : The vector for malarial parasite is .....



**Watch Video Solution**

**63.** Fill in the blanks : ..... is antimalarial drug.



**Watch Video Solution**

**64.** Fill in the blanks : ..... is a viral disease which spreads by the bite of a animal.



**Watch Video Solution**

**65.** Fill in the blanks : African sleeping sickness is spread by the bite of .....



**Watch Video Solution**



**66.** Fill in the blanks : Pasteurization was invented by .....



**Watch Video Solution**

**67.** Fill in the blanks : Entire virus particle is called .....



**Watch Video Solution**

**68.** True or False. If false ,give the correct statement : Agaricus is a biocontrol agent .



**Watch Video Solution**

**69.** True or False. If false ,give the correct statement : Nostoc is used for fixing nitrogen.



**Watch Video Solution**

**70.** True or False. If false ,give the correct statement : Phycoerythrin is a blue pigment.



**Watch Video Solution**

**71.** True or False. If false ,give the correct statement : Mushroom is the part of the fungus which produces spores .



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72. True or False. If false ,give the correct statement : Plasmodium is a parasite.



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73. Match the following :

i	Probiotic	(a)	Kuru
ii	Preservation	(b)	Methanogen
iii	Prion	(c)	Curd
iv	Biogas	(d)	Sugar



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74. Match the following :

i	Amoeba	(a)	Autotrophs
ii	Algae	(b)	Gills
iii	Agaricus	(c)	Biocontrol
iv	Bt cotton	(d)	Sporulation



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75. Direction : In each of the following questions , a statement of Assertion is given and a corresponding statement of Reason is given just below it .Of the four statements ,given below,mark one as the correct answer .

Assertion: Fungi are heterotrophic in nutrition.

Reason : They lack chlorophyll..

A. If both Assertion and reason are true and Reason is the correct explanation of Assertion.

B. If both Assertion and Reason are true and Reason is not the correct explanation of Assertion.

C. If Assertion is true but Reason is false.

D. If both Assertion and Reason are false.

**Answer:**



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**76.** Direction : In each of the following questions , a statement of Assertion is given and a corresponding statement of Reason is given just below it .Of the four statements ,given below,mark one as the correct answer .

Assertion:Boiling milk is a method of

preservation.

Reason :Probiotics is a method of preserving milk .

A. If both Assertion and reason are true and Reason is the correct explanation of Assertion.

B. If both Assertion and Reason are true and Reason is not the correct explanation of Assertion.

C. If Assertion is true but Reason is false.



D. If both Assertion and Reason are false.

**Answer:**



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**77.** What is a plasmid ?



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**78.** Why is nuclear content of a bacterial cell called nucleoid?



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**79. What are chemosynthetic bacteria ?**



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**80. Why does yeast help in frementation ?**



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**81. Name the pigments found in algae.**



**Watch Video Solution**

**82.** Why is algae called as grass of water?



**Watch Video Solution**

**83.** Name the pigments found in algae.



**Watch Video Solution**

**84.** Name two antibiotics produced by microbes.



**Watch Video Solution**

**85.** Define vaccines.



**Watch Video Solution**

**86.** What is biocontrol ?



**Watch Video Solution**

**87.** What is chlorella ?



**Watch Video Solution**

**88.** Name two diseases caused by microbes in animals .



**Watch Video Solution**

**89.** Name two diseases caused by microbes in plants .



**Watch Video Solution**

**90.** Name two diseases in humans caused by protozoans .



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**91.** What is pasterurization ?



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92. Mention two living characteristics of viruses.



[Watch Video Solution](#)

93. Mention two living characteristics of viruses.



[Watch Video Solution](#)

**94.** Draw a diagram of a bacteriophage and label the parts.



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**95.** How are protozoans classified ?



**Watch Video Solution**

**96.** What is pseudopodia ?



**Watch Video Solution**



**97.** Mention the symptoms and preventive measures undertaken for foot and mouth disease in animals .



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**98.** Draw a virion and label the parts.



**Watch Video Solution**

**99.** How are microbes useful in industry ?



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**100.** Describe the structure of chlamydomonas with neat labelled diagram.



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**Exercise**

1. .... Shows both living and non-living characteristics.

A. Protozoa

B. virus

C. bacteria

D. Fungi

**Answer:**



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2. .... Is not a fungus .

A. Agaricus

B. Nostoc

C. Penicillium

D. Albugo

**Answer:**



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3. .... is not associated with the virus.

A. RNA

B. DNA

C. Capsid

D. Plasnid

**Answer:**



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**4. Fill in the blanks : ..... are the infectious protein particles.**



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5. Fill in the blanks : Yeast has an enzyme called .....



[Watch Video Solution](#)

6. Fill in the blanks : ..... are prepared from dead microbes.



[Watch Video Solution](#)

7. Write the names of any nitrogen fixing bacteria.



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8. Who discovered penicillin \_\_\_\_\_



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9. What is chlorella ?



**Watch Video Solution**

**10. Define vaccines.**



**Watch Video Solution**

**11. Write the four types of bacteria, based on their shape.**



**Watch Video Solution**



**12.** How diseases causing micro organisms enter into human beings ?



**Watch Video Solution**

**13.** What is retting of fibres?



**Watch Video Solution**

**14.** Draw a virion and label the parts.



**Watch Video Solution**

**15.** Write a short note on bacteria and its structure .



**Watch Video Solution**

**16.** Describe the structure of chlamydomonas with neat labelled diagram.



**Watch Video Solution**