



BIOLOGY

BOOKS - PREMIERS PUBLISHERS

LIVING WORLD

**Evaluation Evluationtext Book Question And
Answers Mcq**

**1. Which one of the following statement about
virus is correct?**

A. Possess their own metabolic system

B. They are facultative parasites

C. They contain DNA or RNA

D. Enzymes are present

Answer: C



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2. Identify the incorrect statement about the Gram positive bacteria

A. Teichoic acid absent

B. High percentage of peptidoglycan is found in cell wall

C. Cell wall is single layered

D. Lipopolysaccharide is present in cell wall

Answer: A



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3. Identify the Archaeobacterium

A. Acetobacter

B. Erwinia

C. Treponema

D. Methanobacterium

Answer: D



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4. The correct statement regarding Blue green algae is

- A. lack of motile structures
- B. presence of cellulose in cell wall
- C. absence of mucilage around the thallus
- D. presence of floridean starch

Answer: A



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**Evaluationtext Book Question And Answers
Answer The Following**

1. Identify the correctly matched pair:

(i) Actinomycetes

(ii) Mycoplasma

(iii) Bacteria

(iv) Fungi

(a) Late blight

(b) lumpy jaw

(c) Crown gall

(d) sandal spike



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2. Differentiate homoiomerous and heteromerous lichens.



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3. Write the distinguishing features of monera.



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4. Why do farmers plant leguminous crops in crop rotations/mixed cropping?



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5. Briefly discuss on five kingdom classification.

Add a note on merits and demerits.



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6. Give a general account on lichens.



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Other Important Question And Answer Mcq

1. What are the different types of asexual reproduction in living organisms.?

A. conidia formation

B. budding

C. binary fission

D. all the above

Answer: D



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2. Animal sense their surroundings by sense organ is called:

A. Metabolism

B. Irritability

C. Consciousness

D. Anabolism

Answer: C



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3. Who obtained the crystalline protein sediment from infected tobacco juice?

A. Edward Jennev

B. W.M. Stanley

C. Ivanowsky

D. F.W. Twort

Answer: B



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4. Which of the following is true?

A. 10 - 100 nm

B. 20 - 100 nm

C. 10 - 200 nm

D. 20 - 30 nm

Answer: A



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5. How many classes are there in viruses?

A. 5

B. 3

C. 7

D. 6

Answer: C



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6. The shape of TMV is:

A. round shape

B. cuboid shape

C. cylindrical shape

D. rod shape

Answer: D



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7. Identify the incorrect statement of living characters of virus.

- A. Absence of metabolism
- B. Presence of nucleic acid
- C. Multiply with in the host cells
- D. Capable of mutation

Answer: A



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8. Cyanophages means:

- A. Viruses infecting red algae
- B. Viruses infecting brown algae
- C. Viruses infecting blue green algae
- D. Viruses infecting green algae

Answer: C



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9. Which one of the following is a bacterial disease?

A. Tetanus

B. Common cold

C. Cancer

D. Rabies

Answer: D



10. Who proposed five kingdom classification?

Mention the five kingdoms.

A. R.H. Whittaker

B. Linnaeus

C. Haeckel

D. Aristotle

Answer: A



11. Actinomycetes, cyanobacteria are the examples of: -

A. Protista

B. Fungi

C. Monera

D. Animalia

Answer: C



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12. What are the three domains of life?

A. Prokaryota, Eukaryota, Archaea

B. Archaea, Bacteria, Protozoa

C. Archaea, Fungi, Bacteria

D. Bacteria, Archaea, Eukarya

Answer: D



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13. Who coined the word Bacterium?

A. Christian Gram

B. C.G.Ehrenberg

C. Griffith

D. Lederberg

Answer: B



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14. Escherichia coli and Salmonella are the examples of:

A. Aerobes

B. Obligate aerobes

C. Facultative anaerobes

D. Anaerobes

Answer: C



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15. Which among the bacteria breakdown hydrocarbons?

A. *Pseudomonas putida*

B. *Lacto bacillus*

C. *Bifido bacterium*

D. *Nitrosomonas*

Answer: A



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16. Match the following disease with their pathogen:

Name of the disease	Name of the pathogen
(i) Bacterial blight	(a) <i>Clavibacter michiganensis</i>
(ii) Fire blight	(b) <i>Xanthomonas citri</i>
(iii) Citrus canker	(c) <i>Xanthomonas oryzae</i>
(iv) Ring rot	(d) <i>Erwinia amylovora</i>

A. (i)-(d), (ii)-(c), (iii)-(b), (iv)-(a)

B. (i)-(c), (ii)-(a), (iii)-(b), (iv)-(d)

C. (i)-(a), (ii)-(d), (iii)-(b), (iv)-©

D. (i)-(c), (ii)-(d), (iii)-(b), (iv)-(a)

Answer: D



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17. PHB means:

- A. Poly Hexo Butyrate
- B. Poly Hydroxyl Butyle
- C. Poly - B Hydroxy Butyrate
- D. Poly Hedral Butyrate

Answer: C



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18. Which of the statement is incorrect in blue green algae?

A. The thallus is unicellular

B. The reserve food material is cyanophycean starch

C. Absence of mucilage around the thallus

D. Sexual reproduction is absent

Answer: C



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19. Nostoc and Anabaena are the examples of:

- A. Biofertilizer
- B. Biological fuel
- C. Biotic factor
- D. Pro biotic

Answer: A



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20. Who is the Father of Indian Mycology?

A. P.A.Michali

B. C.H.Blackley

C. Sir Edwin John Butler

D. A.F. Blakeshec

Answer: C



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21. In Fungi reproduction sexual phase is called:

A. Anamorph

B. Holomorph

C. Allelomorph

D. Teleomorph

Answer: D



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22. Odd one out (Type of ascocarp):

A. Deistothecium

B. Perithecium

C. Apothecium

D. Basidium

Answer: D



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23. Which one of the following is a rich source of vitamin B12?

- A. *Agaricus bisporus*
- B. *Aspergillus oryzae*
- C. *Eremothecium ashbyii*
- D. *Claviceps purpurea*

Answer: C



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24. Pick out the incorrect pair:

- A. Blast of paddy - *Magnaporthe grisea*
- B. Red rot of sugarcane - *Albugo candida*
- C. Rust of wheat - *Puccinia graminis*
- D. Peach of leaf curl - *Taphrina deformans*

Answer: B



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25. Symbiotic association of fungal hyphae with roots of higher plants _____.

A. Lichen

B. Symbiotic

C. Monotropa

D. Mycorrhiza

Answer: D



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26. Each virus possesses only one type of nucleic acid:

- A. Either DNA or RNA
- B. DNA only
- C. Neither DNA nor RNA
- D. RNA only

Answer: A



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27. Tobacco mosaic virus is

A. rhomboid shaped helical virus

B. rod shaped helical virus

C. rectangular shaped virus

D. triangular shaped helical virus

Answer: B



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28. Indicate the correct statement:

A. Virion is a circular molecule of ss RNA
without a capsid

B. Virion is a phage injects to linear DNA
into the host cell

C. Virion is an intact infective virus particle,
which is non-replicating outside a host
cell

D. Virion is discovered by J.W Randles

Answer: C



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29. Transfer of DNA from one bacterium to another is called:

A. Conjugation

B. Transformation

C. Transduction

D. Binary fission

Answer: B



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30. Fusion of two somative cells of the hypae is called:

A. Anisogamy

B. Somatogamy

C. Oogamy

D. Isogamy

Answers:

Answer: B



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**Other Important Question And Answer Answer
The Following Short Answers**

1. Define biosphere.



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2. What is the role of DNA molecule?



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3. What do you mean by 'consciousness'?



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4. Define prions.



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5. What is a plasmid?



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6. What is the need for classification?



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7. What are Pili ?



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8. What is Pruteen?



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9. What do the terms phycobiont and mycobiont signify?



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10. Describe homeostasis.



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11. Mention two living characteristics of viruses.



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12. Explain the term Viroid.



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13. What is meant by red tide?



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14. What are polysomes?



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15. Differentiate between green sulphur bacteria and purple sulphur bacteria.



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16. Match the following:

(i) <i>Xanthomonas oryzae</i>	(a) Apple
(ii) <i>Erwinia caratovora</i>	(b) Citrus
(iii) <i>Erwinia amylovera</i>	(c) Rice
(iv) <i>Xanthomonas citri</i>	(d) Carrot



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17. What is meant by aflatoxin?



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18. Describe mycorrhizae?



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19. Name few fungal diseases in plants.

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20. Explain Oomycetes with an example.

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**Other Important Question And Answer Answer In
Breif**

1. Differentiate between extrinsic and intrinsic growth patterns.



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2. List out the classification of viruses.



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3. Name any three plant, animal and human diseases caused by viruses



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4. Differentiate between anabolism and catabolism



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5. Write about sexual reproduction in fungi.



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6. Give an account of viral genome.



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7. Explain the structure of T_4 bacteriophage with the labelled diagram.



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8. Draw a neat diagram of ultra structure of a bacterial cell.



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9. What is meant by Ammonification? Explain with the bacteria involved in the process.



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10. What are Actinomycetes? Give example.



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Other Important Question And Answer Answer In Detail

1. Draw the structure of different types of viruses and explain.



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2. Give an account on respiration types of bacteria.



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3. A Danish Physician, Christian Gram developed a staining procedure to differentiate bacteria. List the various steps involved in that procedure.



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4. List out the asexual modes of reproduction of bacteria.



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5. Enumerate the general characteristic features of fungi.



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6. Discuss the economic importance of fungi.



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