

# Yakeen NEET 2.0 2026

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DPP: 2

## Biological Classification

- Q1** How many are correct from the following statements regarding bacteria?
- A. Bacteria are sole members of the kingdom Protista.  
 B. They are most abundant micro-organisms.  
 C. They also live in extreme habitats such as hot springs, deserts, snow and deep oceans.  
 D. Many of them live in or on other organisms as parasites.

(A) One (B) Two  
 (C) Three (D) Four

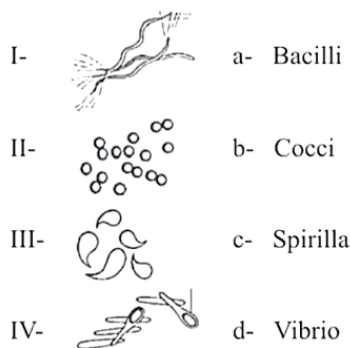
- Q2** Bacteria whose cell has only a curve/comma is:

(A) vibrio. (B) cocci.  
 (C) spirilla. (D) bacilli.

- Q3** Though the bacterial structure is very \_\_\_\_ but they are very \_\_\_\_ in behavior.

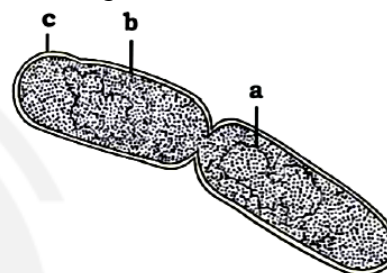
(A) Simple, complex  
 (B) Complex, simple  
 (C) Simple, simple  
 (D) Complex, complex

- Q4** Recognise the figure & find out the correct match.



- (A) I-c, II-b, III-a, IV-d  
 (B) I-d, II-a, III-c, IV-b  
 (C) I-c, II-b, III- d, IV-a  
 (D) I-c, II-a, III-d, IV-b

- Q5** Recognise the figure and find out the suitable matching.



- (A) a-Nucleus, b-cell membrane, c-capsule  
 (B) a- DNA, b- cell membrane, c- cell wall  
 (C) a- DNA, b- cell wall, c- capsule  
 (D) a- Nucleus, b-cell membrane, c- cell wall

- Q6** Which of the following statements is/are correct for bacteria?

- (A) They are the members of the kingdom Monera  
 (B) They live in extreme habitats such as hot springs, deserts, snow and deep oceans  
 (C) They show the most extensive metabolic diversity  
 (D) All of the above

- Q7** Kingdom with maximum nutrition diversity is

- (A) Plantae (B) Animalia  
 (C) Fungi (D) Monera

- Q8** Sole members of Monera are?

- (A) Bacteria (B) BGA



(C) Archaeobacteria (D) Mycoplasma

**Q9** Who introduced the kingdom monera?

(A) Theophrastus (B) Copeland  
(C) Aristotle (D) Haeckel

**Q10** Kingdom with chemoautotrophic nutrition is?

(A) protista (B) fungi  
(C) Monera (D) animalia

**Q11** Which of the following have structurally simplest organisms?

(A) Plantae (B) Protista  
(C) Fungi (D) Monera

**Q12** Most abundant group of microbes belong to?

(A) Monera (B) Protista  
(C) Fungi (D) Algae

**Q13** Bacteria with rod shape are called?

(A) Bacilli (B) Cocci  
(C) Vibrio (D) Spirilla

**Q14** Bacteria are found in?

(A) favorable habitat only  
(B) harsh habitat only  
(C) almost everywhere  
(D) none

**Q15** Kingdom with prokaryotic organisms is?

(A) Monera (B) Protista  
(C) Fungi (D) Animalia

**Q16** Mark the correct statement-

(a) Bacteria are sole members of monera.  
(b) Bacteria are simple in structure and complex in metabolic diversity.  
(c) Some of the bacteria are autotrophic and synthesize their own food from inorganic substrates.  
(d) The vast majority of bacteria are autotrophic.  
Mark the correct

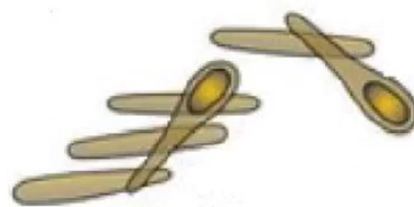
(A) a, b and c

(B) b, c and d

(C) a, b and d

(D) All four

**Q17** Diagrammatically shown members are:



(A)



(B)

(A) A-Bacilli, B-Spirilla

(B) A-Rod-shaped bacteria with gamete, B-Non-motile

(C) A- Rod-shaped bacteria with spore, B-Pathogen of cholera

(D) A-Coccus, B-Vibrio

**Q18** Match the following

|     | Column-I          |   | Column-II    |
|-----|-------------------|---|--------------|
| I   | Halophiles        | a | Hot springs  |
| II  | Thermoacidophiles | b | Marshy areas |
| III | Methanogens       | c | Salty areas  |

(A) I-b, II-a, III-c

(B) I-c, II-a, III-b

(C) I-b, II-c, III-a

(D) I-a, II-b, III-c

**Q19** Find out the odd one with respect to archaeobacteria:

(A) Methanogens

(B) Halophiles



- (C) Thermoacidophiles  
(D) Actinomycetes
- Q20** Archaeobacteria are capable of surviving harsh conditions due to their:  
(A) Plasmid (B) Cell wall  
(C) Mesosome (D) Flagella
- Q21** The primitive prokaryotes responsible for production of biogas from dung of ruminant animals, include:  
(A) Halophiles  
(B) Eubacteria  
(C) Methanogens  
(D) Thermoacidophiles
- Q22** Read the following statements regarding methanogens.  
(i) They are included in the group archaeobacteria  
(ii) They are responsible for the production of biogas from the cows dung.  
(iii) They live in hot springs.  
(iv) They are strictly anaerobic  
Choose the **correct** statements and answer from the options given below.  
(A) Only (i) and (ii) are correct  
(B) Only (i), (ii) and (iv) correct  
(C) Only (ii), (iii) and (iv) are correct  
(D) All (i), (ii), (iii) and (iv), are correct
- Q23** Which of the following bacteria is chemoautotroph?  
(A) *Bacillus* (B) *Nitrosomonas*  
(C) *Mycoplasma* (D) *Anabaena*
- Q24** Most common mode of reproduction in bacteria is?  
(A) binary fission  
(B) multiple fission  
(C) conjugation  
(D) endospore
- Q25** Select odd one out w.r.t. Eubacteria  
(A) Cell wall has muramic acid  
(B) They have cilia and flagella for locomotion  
(C) Some of them are nitrogen fixers  
(D) Some of them can form blooms in polluted water body
- Q26** Select incorrect statement w.r.t. Heterocyst  
(A) Thick walled  
(B) Helps in CO<sub>2</sub> fixation  
(C) Has anaerobic condition  
(D) Present in *Nostoc*
- Q27** The most abundant prokaryotes helpful to humans in making curd from milk and in the production of antibiotics are ones categorised as-  
(A) Chemosynthetic autotrophs  
(B) Heterotrophic bacteria  
(C) Cyanobacteria  
(D) Archaeobacteria
- Q28** A. Majority of bacteria are able to manufacture their food from inorganic raw material  
B. The vast majority of bacteria are autotrophic  
Mark the correct Choice  
(A) A and B (B) A only  
(C) B only (D) Both wrong
- Q29** Some primitive method of DNA transfer occurs as sexual reproduction method in  
(A) Bacteria (B) Fungi  
(C) Protista (D) Plantae
- Q30** Which of the following is feature of cyanobacteria-  
(A) Presence of 'Chl a'  
(B) Flagella  
(C) Presence only in fresh water  
(D) Only unicellular form surrounded by gelatinous sheath



**Q31** Chl a pigment is present in

- (A) *Nostoc*
- (B) *Anabaena*
- (C) Both (A) and (B)
- (D) *Mycoplasma*

**Q32** A. Unicellular, colonial, filamentous, marine or terrestrial forms;  
B. The colonies are surrounded by a gelatinous sheath

- C. Some can fix atmospheric nitrogen in specialised cells called heterocysts
- D. They often form blooms in water bodies

The above characters are seen in-

- (A) Archaeobacteria
- (B) Cyanobacteria
- (C) Chrysophytes
- (D) Dinoflagellates

**Q33** Match the organisms in List-I with habitats in List-II.

| List-I |                   | List-II |                     |
|--------|-------------------|---------|---------------------|
| A.     | Halophiles        | P.      | Hot springs         |
| B.     | Thermoacidophiles | Q.      | Aquatic environment |
| C.     | Methanogens       | R.      | Guts of ruminants   |
| D.     | Cyanobacteria     | S.      | Salty areas         |

Select the correct answer from the options given below:

- (A) A-S, B-P, C-R, D-Q
- (B) A-P, B-Q, C-R, D-S
- (C) A-R, B-S, C-P, D-P
- (D) A-Q, B-S, C-R, D-P

**Q34**

How many statements are correct for the given organism in figure?



- I. Filamentous cyanobacteria as anoxygenic autotroph.
- II. It has chlorophyll a similar to green plants.
- III. Surrounded by mucilaginous sheath.
- IV. The labelled structure A is specialised cell for nitrogen fixation.

- (A) Three
- (B) Four
- (C) Two
- (D) One

**Q35** Match the column-I with column-II & choose the

| Column-I         | Column-II                             |
|------------------|---------------------------------------|
| I. Mycoplasma    | a. Nitrogen fixing bacteria           |
| II. Decomposers  | b. Blue green algae                   |
| III. Methanogens | c. Production of Methane              |
| IV. Heterocysts  | d. "Most abundant heterotrophs"       |
| V. Cyanobacteria | e. "Pathogenic in plants and animals" |

- (A) I-a, II-b, III-c, IV-d, V-e
- (B) I-c, II-e, III-b, IV-d, V-a
- (C) I-c, II-a, III-e, IV-b, V-d
- (D) I-e, II-d, III-c, IV-a, V-b



## Answer Key

Q1 (C)  
Q2 (A)  
Q3 (A)  
Q4 (C)  
Q5 (B)  
Q6 (D)  
Q7 (D)  
Q8 (A)  
Q9 (B)  
Q10 (C)  
Q11 (D)  
Q12 (A)  
Q13 (A)  
Q14 (C)  
Q15 (A)  
Q16 (A)  
Q17 (C)  
Q18 (B)

Q19 (D)  
Q20 (B)  
Q21 (C)  
Q22 (B)  
Q23 (B)  
Q24 (A)  
Q25 (B)  
Q26 (B)  
Q27 (B)  
Q28 (D)  
Q29 (A)  
Q30 (A)  
Q31 (C)  
Q32 (B)  
Q33 (A)  
Q34 (A)  
Q35 (D)



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