**Biology Biological Classification** 



| <ul> <li>List - 1 <ul> <li>List - 1 <ul> <li>List - 1 <ul> <li>List - 1 </li> <li>List - 1 <ul> <li>List - 1 </li> <li>List - 1 <ul> <li>List - 1 </li> <li>List - 1 <ul> <li>List - 1 <ul> <li>List - 1 </li> <li>List - 1 <ul> <li>List - 1 </li> <li>List - 1 <ul> <li>List - 1 </li> <li>List - 1 <th> N</th><th>latch List I with</th><th>n List II</th><th>(2024)</th><th>5.</th><th>Which of the following is a correct</th></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul></li></ul> | N  | latch List I with   | n List II       | (2024)      | 5. | Which of the following is a correct       |
|---|----|---|-----------------|-------------|----|---|
| <ul> <li>A. Rhizopus I. Mushroom</li> <li>B. Ustilago II. Smut fungus</li> <li>C. Puccinia III. Bread mould</li> <li>D. Agaricus IV. Rust fungus</li> <li>Choose the correct answer from the options given below: <ul> <li>(a) A – I, B – III, C – II, D – IV</li> <li>(b) A – III, B – II, C – I, D – IV</li> <li>(c) A – IV, B – III, C – I, D – IV</li> <li>(c) A – IV, B – III, C – IV, D – I</li> </ul> </li> <li>2. Which one of the following is not a criterion for classification of fungi? <ul> <li>(2024)</li> <li>(a) Mode of nutrition</li> <li>(b) Mode of spore formation</li> <li>(c) Fruiting body</li> <li>(d) Morphology of mycelium</li> </ul> </li> <li>3. Identify the reproductive structure associated with Penicillium: (2022)</li> <li>(a) Conidia (b) Gemmules</li> <li>(c) Buds (d) Zoospores</li> <li>4. Given below are two statements :</li> <li>Statement I: Mycoplasma can pass through less than 1 micron filter size. Statement I: Mycoplasma are bacteria with cell wall In the light of the above statements, choose the most appropriate answer from the options given below:</li> <li>(a) Both Statement I and Statement II are incorrect</li> <li>(b) Statement I is correct but Statement I is correct</li> <li>(c) But statement I and Statement II are incorrect</li> <li>(d) Both Statement I and Statement II are</li> </ul>   |    | List – I  | List -          | - II        |    | statement ? (2022                         |
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| <ul> <li>(d) Cyanobacteria are a autotrophic organism under Kingdom Monera.</li> <li>(d) A - III, B - II, C - II, D - IV</li> <li>(e) A - IV, B - III, C - II, D - I</li> <li>(f) A - III, B - II, C - IV, D - I</li> <li>(a) Mode of the following is not a criterion for classification of fungi? <ul> <li>(a) Mode of nutrition</li> <li>(b) Mode of spore formation</li> <li>(c) Fruiting body</li> <li>(d) Morphology of mycelium</li> </ul> </li> <li>(a) Mode of nutrition</li> <li>(b) Mode of spore formation</li> <li>(c) Fruiting body</li> <li>(d) Morphology of mycelium</li> <li>(d) Morphology of mycelium</li> <li>(e) Buds</li> <li>(f) Statement I: Mycoplasma can pass through less than 1 micron filter size.</li> <li>Statement I: Mycoplasma are bacteria with cell wall In the light of the above statements, choose the most appropriate answer from the options given below:</li> <li>(a) Both Statement I and Statement II are incorrect</li> <li>(c) Statement I is correct but Statement II is correct</li> <li>(d) Both Statement I and Statement II are</li> <li>(d) Both Statement I and Statement II are</li> <li>(d) Both Statement I and Statement II are</li> </ul>  |    | D. Agaricus   | IV. Rust        | fungus      |    | (c) Mycoplasma have DNA, Ribosom          |
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| <ul> <li>(d) Morphology of mycelium</li> <li>3. Identify the reproductive structure associated with Penicillium: (2022) <ul> <li>(a) Conidia</li> <li>(b) Gemmules</li> <li>(c) Buds</li> <li>(d) Zoospores</li> </ul> </li> <li>4. Given below are two statements : <ul> <li>Statement I: Mycoplasma can pass through less than 1 micron filter size.</li> <li>Statement II: Mycoplasma are bacteria with cell wall In the light of the above statements, choose the most appropriate answer from the options given below: <ul> <li>(2022)</li> <li>(a) Both Statement I and Statement II are incorrect</li> <li>(b) Statement I is correct but Statement II is incorrect</li> <li>(c) Statement I is correct but Statement II is correct</li> <li>(d) Both Statement I and Statement II are incorrect</li> <li>(d) Both Statement I and Statement II are incorrect</li> <li>(c) Statement I is correct but Statement II is incorrect</li> <li>(d) Both Statement I and Statement II are incorrect</li> </ul> </li> <li>(c) Statement I and Statement II are incorrect</li> <li>(c) They have chlorophyll green plants</li> </ul></li></ul>  | •  | · -   |                 |             |    | plants are called saprophytes.            |
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| <ul> <li>through less than 1 micron filter size.</li> <li>Statement II: Mycoplasma are bacteria with cell wall In the light of the above statements, choose the most appropriate answer from the options given below: <ul> <li>(2022)</li> <li>(a) Both Statement I and Statement II are incorrect</li> <li>(b) Statement I is correct but Statement II are incorrect</li> <li>(c) Statement I is incorrect but Statement II is correct</li> <li>(d) Both Statement I and Statement II are following is incorrect</li> <li>(e) Statement I is correct but Statement II are following is incorrect</li> <li>(f) They have RNA with profile coat.</li> <li>(g) They have RNA with profile coat.</li> <li>(h) They often form blooms water bodies</li> <li>(h) They have chlorophyll green plants</li> </ul></li></ul>   |    |   |                 |             |    |   |
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| <ul> <li>with cell wall In the light of the above statements, choose the most appropriate answer from the options given below: <ul> <li>(2022)</li> <li>(a) Both Statement I and Statement II are incorrect</li> <li>(b) Statement I is correct but Statement II are is incorrect</li> <li>(c) Statement I is incorrect but Statement II are statement II is correct</li> <li>(d) Both Statement I and Statement II are (d) Both Statement I and Statement II are statement II are statement I and Statement II are (d) Both Statement I ar</li></ul></li></ul>  |    | 0   |                 |             |    |   |
| <ul> <li>statements, choose the most appropriate answer from the options given below: <ul> <li>(2022)</li> <li>(a) Both Statement I and Statement II are incorrect</li> <li>(b) Statement I is correct but Statement II is incorrect</li> <li>(c) Statement I is incorrect but Statement II is correct but Statement II and Statement II are</li> <li>(c) Statement I and Statement II are</li> <li>(d) Both Statement I and Statement II are</li> </ul></li></ul>  | v  | vith cell wall In   | n the light of  | f the above |    | (c) They have free DNA with protein coat. |
| <ul> <li>(a) Both Statement I and Statement II are incorrect</li> <li>(b) Statement I is correct but Statement II is incorrect</li> <li>(c) Statement I is correct but Statement II is correct</li> <li>(d) They have RNA with pro Cyanobacteria? (2020 Cov (a) They lack heterocysts</li> <li>(b) They often form blooms water bodies</li> <li>(c) Statement I is correct but Statement II are discovered and the following is incorrect</li> <li>(d) They have RNA with pro Cyanobacteria? (2020 Cov (a) They lack heterocysts</li> <li>(e) They often form blooms water bodies</li> <li>(f) They often form blooms water bodies</li> <li>(g) Both Statement I and Statement II are green plants</li> </ul>   |    |   |                 |             |    |   |
| <ul> <li>(a) Both Statement I and Statement II are incorrect</li> <li>(b) Statement I is correct but Statement II is incorrect</li> <li>(c) Statement I is incorrect but Statement II is correct</li> <li>(d) Both Statement I and Statement II are</li> <li>8. Which of the following is incorrect (2020 Correct)</li> <li>(a) They lack heterocysts</li> <li>(b) They often form blooms water bodies</li> <li>(c) They have chlorophyll green plants</li> </ul>   | a  | inswer from the   | options giver   |             |    | (d) They have RNA with protein coat.      |
| <ul> <li>(b) Statement I is correct but Statement<br/>II is incorrect</li> <li>(c) Statement I is incorrect but<br/>Statement II is correct</li> <li>(d) Both Statement I and Statement II are</li> <li>(a) They lack heterocysts</li> <li>(b) They often form blooms<br/>water bodies</li> <li>(c) They have chlorophyll<br/>green plants</li> </ul>   | (; | a) Both Stateme   | ent I and State | • •         | 8. | Which of the following is incorrect about |
| <ul> <li>(b) Statement I is correct but Statement I</li> <li>(c) Statement I is incorrect but<br/>Statement II is correct</li> <li>(d) Both Statement I and Statement II are</li> <li>(b) They often form blooms<br/>water bodies</li> <li>(c) They have chlorophyll<br/>green plants</li> </ul>  |    | <ul> <li>incorrect</li> <li>(b) Statement I is correct but Statement II is incorrect</li> <li>(c) Statement I is incorrect but</li> </ul> |                 |             |    | Cyanobacteria? (2020 Covid Re-NEE1        |
| <ul> <li>(c) Statement I is incorrect but<br/>Statement II is correct</li> <li>(d) Both Statement I and Statement II are</li> </ul>   | (1 |   |                 |             |    |   |
| (c) Statement I is incorrect but<br>Statement II is correct (c) They have chlorophyll<br>green plants   |    |   |                 |             |    | .,  |
| (d) Both Statement I and Statement II are green plants  | (0 |   |                 |             |    | (c) They have chlorophyll 'a' similar t   |
|   | 1  |   |                 |             |    |   |
| correct (d) They are photoautotroph   | (0 | ,   | the rand State  | ement n are |    | (d) They are photoautotrophs              |

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| 9.  | Which of the following statement is incorrect? (2019) | 15.      | Ciliates differ from all other protozoans in (2018) |
|-----|---|----------|---|
|     | • •   |          |   |
|     | (a) Viroids lack a protein coat.                      |          | (a) Using flagella for locomotion                   |
|     | (b) Viruses are obligate parasites.                   |          | (b) Having a contractile vacuole for                |
|     | (c) Infective constituent in viruses is the           |          | removing excess water                               |
|     | protein coat.   |          | (c) Using pseudopodia for capturing prey            |
|     | (d) Prions consist of abnormally folded               |          | (d) Having two types of nuclei                      |
|     | proteins.   | 16.      | Which of the following are found in                 |
| 10. | Which of the following statements is                  |          | extreme saline conditions? (2017)                   |
|     | incorrect? (2019)                                     |          | (a) Archaebacteria                                  |
|     | (a) Morels and truffles are edible                    |          | (b) Eubacteria                                      |
|     | delicacies.   |          | (c) Cyanobacteria                                   |
|     | (b) Claviceps is a source of many                     | 1        | (d) Mycobacteria                                    |
|     | alkaloids and LSD.                                    | 17.      | Which among the following are the                   |
|     | (c) Conidia are produced exogenously                  |          | smallest living cells, known without a              |
|     | and Ascospores endogenously.                          |          | definite cell wall, pathogenic to plants as         |
|     |   |          |   |
|     | (d) Yeasts have filamentous bodies with               |          | well as animals and can survive without             |
|     | long thread-like hyphae.                              |          | oxygen? (2017)                                      |
| 11. | Select the wrong statement (2018)                     |          | (a) Bacillus  |
|     | (a) Cell wall is present in members of                | × 1      | (b) Pseudomonas                                     |
|     | Fungi and Plantae                                     |          | (c) Mycoplasma                                      |
|     | (b) Mushrooms belong to B <mark>asidiomy</mark> cetes |          | (d) Nostoc  |
|     | (c) Pseudopodia are locomotory and                    | 18.      | Viroids differ from viruses in having:              |
|     | feeding structures in Sporozoans                      |          | (2017)  |
|     | (d) Mitochondria are the powerhouse of                |          | (a) DNA molecules with protein coat                 |
|     | the cell in all kingdoms except                       | -        | (b) DNA molecules without protein coat              |
|     | Monera  |          | (c) RNA molecules with protein coat                 |
| 12. | After karyogamy followed by meiosis,                  |          | (d) RNA molecules without protein coat              |
| 14. | spores are produced exogenously in                    | 19.      | An example of flagellate protozoan is:              |
|     | (2018)  | 17.      |   |
|     | · · ·   |          | (2017)  |
|     | (a) Neurospora  | A        | (a) Paramoecium                                     |
|     | (b) Alternaria  |          | (b) Trypanosoma                                     |
|     | (c) Agaricus  | 1        | (c) Entamoeba                                       |
|     | (d) Saccharomyces                                     |          | (d) Plasmodium                                      |
| 13. | Oxygen is not produced during                         | 20.      | Which of the following is not true of               |
|     | photosynthesis by (2018)                              |          | organisms in the kingdom Monera?                    |
|     | (a) Nostoc  |          | (2017)  |
|     | (b) Green sulphur bacteria                            |          | (a) They originated at least 3.5 billion            |
|     | (c) Cycas   |          | years ago   |
|     | (d) Chara   |          | (b) They have prokaryotic cellular                  |
| 14. | Which of the following organisms are                  |          | organisation  |
| -   | known as chief producers in the oceans?               |          | (c) They may be autotrophic or                      |
|     | (2018)  |          | heterotrophic in nature                             |
|     |   |          | (d) They reproduce by mitosis                       |
|     | (a) Dinoflagellates                                   | 01       |   |
|     | (b) Diatoms   | 21.      | Select the sac fungus: (2017)                       |
|     | (c) Cyanobacteria                                     |          | (a) Albugo (b) Agaricus                             |
|     | (d) Euglenoids  |          | (c) Neurospora (d) Mucor                            |
|     |   |          |   |
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| 22. | The protein coat around a virus is called                       |               | One of the major components of cell wall   |
|-----|---|---------------|--|
|     | (2017   | )             | of most fungi is: (2016 - I)   |
|     | (a) Capsule (b) Core  |               | (a) Chitin   |
| ~ ~ | (c) Capsid (d) Trichome   |               | (b) Peptidoglycan  |
| 23. | Select the wrong statement: (2016-I                             | L)            | (c) Cellulose  |
|     | (a) Diatoms are chief producers in the                          |               | (d) Hemicellulose  |
|     | oceans  | 30.           | Which of the following statements is   |
|     | (b) Diatoms are microscopic and float                           |               | wrong for viroids? (2016 - I)  |
|     | passively in water  |               | (a) They lack a protein coat   |
|     | (c) The walls of diatoms are easily                             |               | (b) They are smaller than viruses  |
|     | destructible  |               | (c) They causes infections   |
| l   | (d) 'Diatomaceous earth' is formed by the cell wall of diatoms. |               | (d) Their RNA is of high molecular weight  |
| 24. |   | 31.           | Which one of the following matches is correct? (2015)  |
| 24. | 8 8 1   | .)            |  |
|     | (a) Dinoflagellates<br>(b) Slime moulds                         |               | Kepfoduction Asconiy   |
| l   | (c) Eubacteria  |               | by Conjugation cetes   |
|     | (d) Archaebacteria  | -             |  |
| 25. | Which one of the following is wrong for                         | r             | (b) <sup>Agaricus</sup> Parasitic Basidio  |
| 20. | fungi? (2016-I  |               | fungus mycetes   |
|     | (a) They are heterotrophic                                      | ,             | (c) Phytopht Aseptate Basidio  |
|     | (b) They are both unicellular and                               |               | hora mycelium mycetes  |
|     | multicellular   | -             |  |
|     | (c) They are eukaryotic   |               | (u) Deutero  |
|     | (d) All fungi possess a purely cellulosic                       |               | Reproduction mycetes<br>absent   |
|     | cell Wall   |               |  |
| 26. | The primitive prokaryotes responsible for                       | or <b>32.</b> | The gut of cow and buffalo possess:  |
|     | the production of biogas from the dur                           |               | (2015)   |
|     | of ruminant animals, include the:                               | -             | (a) Methanogens (b) Cyanobacteria  |
|     | (2016 -   | [)            | (c) Fucus (d) Chlorella  |
|     | (a) Halophiles  | <b>33</b> .   | True nucleus is absent in: (2015)  |
|     | (b) Thermoacidophiles   |               | (a) Vaucheria (b) Volvox   |
|     | (c) Methanogens   | 0.4           | (c) Anabaena (d) Mucor   |
|     | (d) Eubacteria  | 34.           | Choose the wrong statements: (2015 Re)   |
| 27. | Chrysophytes, Euglenoids,                                       |               | (a) Neurospora is used in the study of   |
|     | Dinoflagellates and Slime moulds are                            |               | biochemical genetics   |
|     | included in the kingdom: (2016 - I)                             |               | (b) Morels and truffles are poisonous  |
|     | (a) Animalia (b) Monera   |               | mushrooms  |
|     | (c) Protista (d) Fungi  |               | (c) Yeast is unicellular and useful in   |
| 28. | Which one of the following statements                           | S             | fermentation   |
|     | wrong? (2016 - I  | )             | (d) Penicillium is multicellular and   |
|     | (a) Cyanobacteria are also called blue-                         | 25            | produces antibiotics   |
|     | green algae   | 35.           | In which group of organism the cell walls  |
|     | (b) Golden algae are also called desmids                        |               | form two thin overlapping shells which fit   |
|     | (c) Eubacteria are also called false                            |               | together? (2015 Re)  |
|     | bacteria  |               | <ul><li>(a) Euglenoids</li><li>(b) Dinoflagellates</li><li>(c) Slime moulds</li><li>(d) Chrysophytes</li></ul> |
|     | (d) Phycomycetes are also called algal                          |               | (c) Slime moulds (d) Chrysophytes  |
| _   | fungi   |               |  |
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| 36. | Which of the following are most suitable  | 43. | A location with luxuriant growth of       |
|-----|---|-----|---|
|     | indicators of $SO_2$ pollution in the     |     | lichens on the trees indicates that the:  |
|     | environment? (2015 Re)                    |     | (2014)                                    |
|     | (a) Conifers (b) Algae                    |     | (a) Location is not polluted              |
|     | (c) Fungi (d) Lichens                     |     | (b) Trees are very healthy                |
| 37. | Cell wall is absent in: (2015 Re)         |     | (c) Trees are heavily infested            |
|     | (a) Funaria (b) Mycoplasma                |     | (d) Location is highly polluted           |
|     | (c) Nostoc (d) Aspergillus                | 44. | Five kingdom system of classification     |
| 38. | Select the wrong statements: (2015 Re)    |     | suggested by R.H. Whittaker is not based  |
|     | (a) W.M. Stanley showed that viruses      |     | on (2014)                                 |
|     | could be crystallised                     |     | (a) Complexity of body organisation       |
|     | (b) The term 'Contagium vivum fluidum'    |     | (b) Presence or absence of a well defined |
|     | was coined by M.W. Beijerinek             |     | nucleus                                   |
|     | (c) Mosaic disease in tobacco and AIDS in |     | (c) Mode of reproduction                  |
|     | human being are caused by viruses         |     | (d) Mode of nutrition                     |
|     | (d) The viroids were discovered by D.J.   | 45. | Which one of the following fungi contains |
|     | Ivanowsky                                 | +0. | hallucinogens? (2014)                     |
| 39. | The imperfect fungi which are             |     | (a) Ustilago sp.                          |
| 02. | decomposer of litter and help in mineral  |     | (b) Morchella esculenta                   |
|     | cycling belong to: (2015 Re)              |     | (c) Amanita muscaria                      |
|     | (a) Basidiomycetes                        |     | (d) Neurospora sp.                        |
|     | ( )                                       | 46. | Archaebacteria differ from Eubacteria in: |
|     | (b) Phycomycetes                          | 40. |   |
|     | (c) Ascomycetes                           |     | (2014)                                    |
| 40  | (d) Deuteromycetes                        |     | (a) Mode of reproduction                  |
| 40. | Pick up the wrong statement: (2015 Re)    |     | (b) Cell membrane structure               |
|     | (a) Protista has photosynthetic and       |     | (c) Mode of nutrition                     |
|     | heterotrophic modes of nutrition          | 477 | (d) Cell shape                            |
|     | (b) Some fungi are edible                 | 47. | Which of the following shows coiled RNA   |
|     | (c) Nuclear membrane is present in        |     | strand and capsomeres? (2014)             |
|     | Monera                                    |     | (a) Retrovirus                            |
| 41  | (d) Cell wall is absent in Animalia       | a   | (b) Polio virus                           |
| 41. | Viruses have: (2014)                      |     | (c) Tobacco mosaic virus                  |
|     | (a) Both DNA and RNA                      |     | (d) Measles virus                         |
|     | (b) DNA enclosed in a protein coat        | 48. | Pigment-containing membranous             |
|     | (c) Prokaryotic nucleus                   |     | extensions in some cyanobacteria are:     |
|     | (d) Single chromosome                     |     | (2013)                                    |
| 42. | Which one of the following living         |     | (a) Chromatophores                        |
|     | organisms completely lacks a cell wall?   |     | (b) Heterocyst's                          |
|     | (2014)                                    |     | (c) Basal bodies                          |
|     | (a) Blue - green algae                    |     | (d) Pneumatophores                        |
|     | (b) Cyanobacteria                         |     |   |
|     | (c) Sea - fan (Gorgonia)                  |     |   |
|     | (d) Saccharomyces                         |     |   |
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