



# Dnyansagar Coaching Classes, A'nagar

Std. - XII

Sub- Biology -I

MHT-CET

(Biofertilisers)

Time - 45 min.

Max Marks - 50

- 1) **Sunn hemp fibres are obtained from :**
- bark of *Crotalaria juncea*
  - xylem of *Dalbergia sissoo*
  - phloem of *Carchrous olitorius*
  - husk of uripe fruits of *Cocos nucifera*
- 2) **Which of the following is a free living bacterium?**
- Anabaena
  - Azotobacter
  - Azopirillium
  - Cyanobacteria
- 3) **A green manure supplies to the plants :**
- organic matter
  - additional nitrogen
  - protects the soil against erosion and leaching
  - all the above
- 4) **Confusion technique is used in :**
- increasing population of predators
  - reducing harmful insects
  - developing resistance
  - eliminating weeds
- 5) **Mycorrhizal hyphae prove useful to the plant by :**
- protecting them from microbial infection
  - providing them additional support
  - enhancing the water absorption and uptake of minerals
  - storing the minerals
- 6) **Farmyard manure is prepared from :**
- Cattle dung
  - Crop residues
  - Cattle dung and crop residues
  - Decomposed vegetables
- 7) **Vesicular Arbuscular Mycorrhizae are:**
- certain symbiotic fungi which live on the surface of root of higher plants
  - mycorrhizae which are found within the roots
  - endomycorrhizae which live between the cells of root cortex and send special branches into the cells
  - All of the above
- 8) **Major sources of biofertilizers are :**
- selected symbiotic micro-organisms
  - only nitrogen fixing bacteria
  - only nitrogen fixing cyanobacteria
  - bacteria, cyanobacteria and fungi
- 9) **Which of the following alkaloids are good plant insecticides?**
- Nicotine
  - Pyrethrum
  - Cinerin
  - All of these
- 10) **The nodulated roots are found in :**
- apple
  - mustard
  - pulses
  - mango
- 11) **Composited manure consists of :**
- mixture of cattle dung and crop residues
  - rotten vegetables and animal refuse
  - cattle dung and animal refuse
  - rotten vegetables
- 12) **Which of the folloiwng plants is commonly used as green manure in India?**
- Sunn hemp
  - Lentil
  - Cow pea
  - All of the above
- 13) **Which of the following is required for better nitrogen fixation of *Rhizobium*?**
- Potassium
  - Nitrogen
  - Phosphorus
  - None of the above

- 14) **Transgenic crops are useful as they have genes of :**
- Nitrogen fixation
  - Smoother crop
  - Herbicide resistance
  - Both B and C
- 15) **The total consumption of fertilizers in India is about :**
- 20 million tonnes
  - 40 million tonnes
  - 18.4 million tonnes
  - 9.2 million tonnes
- 16) **Biopesticides include :**
- Bioherbicides
  - Bioinsecticides
  - Both (A) and (B)
  - Bioherbicides, Bioinsecticides and Biofertilizer
- 17) **'Devine' and 'Collego' are two agricultural substances that are used as:**
- Biofertilizers
  - Natural insecticides
  - Insect hormones
  - Bioherbicides
- 18) **A biodegradable insecticide has been obtained from :**
- Sunflower
  - Sweet Clover
  - Marigold
  - Opuntia
- 19) **Biological control means :**
- The control of harmful insects
  - The control of weeds
  - The control of pests and weeds through some specific organisms
  - None of the above
- 20) **Extomycorrhiza absorbs and stores N, P, K and Ca in :**
- Root hairs
  - Fungal mantle
  - Host epidermis
  - Host cortex
- 21) **Biological control of larvae of mosquito is done by:**
- Ladybird
  - Aphids
  - Gambusia fish
  - Rohu fish
- 22) **Farmers have reported over 50% higher yields of rice by using the biofertilizer :**
- Mycorrhiza
  - Azolla pinnata*
  - Cyanobacteria
  - Legume-Rhizobium Symbiosis
- 23) **Which one of the following is non-symbiotic biofertilizer?**
- VAM
  - Azotobacter
  - Anabaena
  - Rhizobium
- 24) **A biofertilizer is :**
- farmyard manure consisting of mixture of cattle dung and crop residues
  - green manure in which a quick growing crop is cultivated and ploughed under
  - a cyanobacterium like *Anabaena* sp. living in cavities of *Azolla* leaves
  - symbiotic bacteria like *Azotobacter* which fix atmospheric nitrogen
- 25) ***Azotobacter* and *Bacillus polymyxa* are :**
- Decomposers
  - Non-symbiotic nitrogen fixers
  - Symbiotic nitrogen fixers
  - Pathogenic bacteria
- 26) **The phenomenon of using a predator for controlling a pest is :**
- Biological control
  - Genetic engineering
  - Artificial control
  - Confusion technique
- 27) **Crop rotation is carried out for :**
- Increasing acidity of soil
  - Decreasing fertility of soil
  - increasing fertility of soil
  - All the above
- 28) **Nitrogen fixation is :**
- Nitrogen  $\rightarrow$  Ammonia
  - Nitrogen  $\rightarrow$  Nitrates
  - Nitrogen  $\rightarrow$  Amino acids
  - Both A and B
- 29) **Leghaemoglobin occurs in :**
- Coralloid root
  - BGA
  - Around bacteroids
  - Mycorrhiza

- 30) **BGA is chiefly used as fertilizer in :**  
 a) Wheat                      b) Paddy  
 c) Mustard                    d) Gram
- 31) **Which element plays an important role in nitrogen fixation?**  
 a) Mn                            b) Mo  
 c) Zn                            d) Cu
- 32) **Mycorrhiza represents :**  
 a) Antagonism                b) Endemism  
 c) Symbiosis                  d) Parasitism
- 33) **The biological control of agricultural pests, unlike chemical control is :**  
 a) Self perpetuating  
 b) Polluting  
 c) Very expensive  
 d) Toxic
- 34) **The study of action of drugs is called :**  
 a) Pharmacology              b) Mycology  
 c) Pathology                  d) Phycology
- 35) **Which one of the following plants gives quick relief in bronchitis?**  
 a) Neem                        b) Ashoka  
 c) Vasaka                      d) Mango
- 36) **A drug for reducing blood pressure and curing schizophrenia is :**  
 a) Reserpine from *Rauwolfia serpentina*  
 b) Digitalin from *Disgstalis purpurea*  
 c) Santonin from *Artemesia cina*  
 d) Diosgenin from *Dioscorea*
- 37) **Vincristine and Vinblastine are obtained from**  
 a) *Azadirachta*  
 b) *Catharathus roseus*  
 c) *Carthamus tinctorius*  
 d) *Chrysanthemum sps*
- 38) **Which one is used in cosmetics :**  
 a) *Calotropis*  
 b) *Costus speciosum*  
 c) *Chlorophytum borivilium*  
 d) *Aloe vera*
- 39) **Which one of the following is used for external applications in the cure of leprosy?**  
 a) Rice Bran Oil  
 b) Neem Seed Oil  
 c) Cotton Seed Oil  
 d) Groundnut Seed Oil
- 40) **Morphine from opium is :**  
 a) Alkaloid                    b) Tannin  
 c) Resin                        d) Gum
- 41) **In casing soil can be replaced by**  
 a) Cow dung + clay-loam soil  
 b) Compost + clay-loam soil  
 c) Lime + Peat  
 d) All of the above
- 42) **Hallucinogenic mushroom is/are**  
 a) *Amanita muscaria*  
 b) *Agaricus bisporus*  
 c) *Lentinus edodes*  
 d) Both (b) and (c)
- 43) **Mushrooms contain**  
 a) High quantity of proteins  
 b) Vitamin-B complex  
 c) Low carbohydrate and fat  
 d) All of the above
- 44) **Mushrooms belong to class**  
 a) Phyllophyceae  
 b) Basidiomycetes  
 c) Chlorophyceae  
 d) None of these
- 45) **Secondary mycelium of mushroom in produced by the fusion of**  
 a) Spores  
 b) Gills  
 c) Pileus  
 d) Primary mycelium
- 46) **Constipation can be cure by**  
 a) *Ocimum*                    b) *Azadirachta*  
 c) *Aloe vera*                    d) *Asparagus*
- 47) **Leaves of *Ocimum*..... the blood cholesterol level**  
 a) Balance                    b) Increase  
 c) Decrease                    d) No effect
- 48) **Secondary mycelium of mushroom produces umbrella like structure called as-**  
 a) Primary mycelium  
 b) Tertiary mycelium  
 c) Pileus  
 d) Gills
- 49) ***Agaricus bisporus* is an/a**  
 a) Edible mushroom  
 b) Poisonous mushroom  
 c) Ornamental mushroom  
 d) Not a mushroom
- 50) **Leaves of which plant can sharpen the memory**  
 a) *Asparagus*                b) *Adhatoda*  
 c) *Aloe vera*                    d) *Ocimum*



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*(Biofertilisers - Answersheet)*

Time - 45 min.

Max Marks - 50

- |       |       |
|-------|-------|
| 1. a  | 26. a |
| 2. b  | 27. c |
| 3. d  | 28. d |
| 4. b  | 29. c |
| 5. c  | 30. b |
| 6. c  | 31. b |
| 7. c  | 32. c |
| 8. d  | 33. a |
| 9. d  | 34. a |
| 10. c | 35. d |
| 11. b | 36. a |
| 12. d | 37. b |
| 13. c | 38. d |
| 14. d | 39. b |
| 15. d | 40. a |
| 16. c | 41. b |
| 17. d | 42. a |
| 18. c | 43. d |
| 19. c | 44. b |
| 20. b | 45. d |
| 21. c | 46. c |
| 22. c | 47. c |
| 23. b | 48. c |
| 24. c | 49. a |
| 25. b | 50. d |

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