

Group A:

Answer any 5: (5x3)=15

1. Comment on the sexual dimorphism in round worm. (3)
2. What is meant by haemozoin? Why does fever come in cycles in case of malarial infection? (1+2)
3. What are whole cell vaccine? How it differs from genetically engineered vaccine? (1+2)
4. What are single cell protein? Give example. (2+1)
5. What are biofertilizers? How does it vary from green manure? (1+2)
6. What is activated sludge treatment? Give a brief outline of the process. (1+2)
7. Name an oil yielding plant, state its economically important part and its uses. (1+2)
8. What are the ideal condition for growing prawn? State the limitation. (2+1)
9. What are the raw materials used for biogas production? State its composition and uses. (1+2)
10. What is RDT? What are its different stages? (1+2)

Group B:

Answer any 5: (5x5):25

1. What is haploid culture? State its uses. What is the composition of plant tissue culture medium? (1+2+2)
2. What are primary and secondary Volant adaptations? What are pneumatic bones and air sacs? (3+2)
3. What is photochemical smog? What are its harmful aspects? What are Greenhouse gases? (1+2+2)
4. How solid waste management is carried out? What are ODS? Give examples. (3+1+1)
5. What are sedentary cycles? Give examples. Comment on carbon credit. (2+1+2)
6. What are Bt crops? Describe the stages of its production. (1+4)
7. What are Biosphere reserves? Give 4 examples from India. What are the different areas of a Biosphere reserve? (1+2+2)
8. What are biodiversity hotspots? Mention examples in India. What is the utility for Red data book? (1+2+2)