



# **BIOLOGY**

**BOOKS - VIKRAM PUBLICATION (**  
**ANDHRA PUBLICATION)**

**BOARD OF INTERMEDIATE EDUCATION**  
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**Section A**

1. Write the full form of IUCN. In which book threatened species are enlisted.



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2. What are dynein arms ? What is their significance ?



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3. What are dynein arms ? What is their significance ?



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4. Distinguish between osteoblasts and osteoclasts.



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5. How do you justify the statement heart in fishes is a branchial heart.



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6. What is a kidney?



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7. What are retroperitoneal organs ?



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8. Distinguish the terms phototaxis and photokinesis.



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9. The eggs of *Ascaris* are called 'mammillated eggs'. Justify it.



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**10.** What are microglia and what is their origin and add a note on their function.



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## Section B

**1.** Explain "Rivet Popper hypothesis".



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2. Describe the structure of a cardiac muscle.



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3. What are the salient features exhibited by Polychaetes?



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4. Describe the structure of the heart of frog.



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5. Describe the process of transverse binary fission in paramecium.



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6. What is the need for parasites to develop special adaptations ? Mention some special adaptations developed by the parasites.



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7. Draw a neat labelled diagram of the mouthparts of a cockroach .



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8. Define ecological pyramids and describe with examples pyramids of number and biomass.



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1. Explain the structure and life cycle of *Entamoeba histolytica* with the help of neat and labelled diagrams?



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2. Describe the digestive of cockroach with the help of a neat labelled diagram .



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**3. Describe different types of food chains that exist in an ecosystem.**



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