



BIOLOGY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

LOCOMOTION AND REPRODUCTION IN PROTOZOA

Very Short Answer Type Questions

1. Draw a labelled diagram of T.S of flagellum.



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2. List any two differences between a flagellum and a cilium.



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



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4. What is a kinety?



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5. Distinguish between synchronous and metachronous movements.



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6. Why is the offspring formed by asexual reproduction referred to as clone?





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7. Distinguish between proter and opisthe.



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8. How is sexual reproduction advantageous in evolution ?



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9. Distinguish between lobopodium and filopodium. Give an example to each of them.



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10. Define conjugation with reference to ciliates. Give two examples.



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Short Answer Type Questions

1. Name the system that controls the fastest swimming movement of protozoans and write its components.



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2. Write the mechanism of bending of flagellum and explain effective and recovery strokes.



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3. What are lateral appendages ? Based on their presence and absence, write the various types of flagella giving at least one example for each type.



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



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5. Describe the process of longitudinal binary fission in Euglena.



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6. Write a short note on multiple fission.



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7. Give an account of pseudopodia.



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8. Give an account of the ultra structure of an axoneme.



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9. Draw a neat labelled diagram of Euglena:



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10. Draw a neat diagram of paramecium and label its important structures/components.



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Important Questions

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



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11. Describe the process of longitudinal binary fission in Euglena.



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12. Give an account of pseudopodia.



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13. Draw a neat labelled diagram of Euglena:



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