



# BIOLOGY

## BOOKS - SUPER COMPANION 5 IN 1

### ECOSYSTEM

**One Mark And Question And Answer**

**1. Define trophic level.**



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2. What is the significance of the slope of regression in a species relationship?



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3. what is the food chain?



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4. What is the food web ?



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5. What is species diversity ?



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6. What is an algal bloom ?



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**Two Marks Type Question Answer**

1. Different between autotrophs and heterotrophs.



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2. What are the major causes of species losses in a geographical region?



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3. Name the stages in lithosere?



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4. What is artificial ecosystem ? Give an example



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5. What is ecological succession? Distinguish primary succession from secondary succession.



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6. What is a detritus food chain? Give an example



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7. Define ecological pyramids .Name the different types of ecological pyramids.



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**8.** Define ecosystem. Mention the functional components of an ecosystem.



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**9.** Define decomposition and describe the process and products of decomposition.



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**10.** Define the terms : (a) food web (b) secondary productivity



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## Three Marks Question With Answers

**1.** Write any four functions of an ecosystem.



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2. Distinsuish between :

(a) Grazing food chain detritus food chain (b)

**Production and decomposition.**



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3. **What is ecological succession? Distinguish primary succession from secondary succession.**



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**4. Write the diadrammatic representation of pyramid of energy. Why pyramid of energy is always upright?**



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**5. Define the ecological successions .Mention two types seccession in plants based on the nature of the habitatm What is a pioneer species?**



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## Five Marks Question Answers

**1. What is an ecosystem ? How soes material and energy flow occur is an ecosystem ?**



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**2. Define ecological pyramids and descibe with example the different types:**



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**3. What are bio-gas chemical cycles? Explain carbon cycle?**



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**4. Explain Lithosere succession.**



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**5. Draw the phosphorus cycle**



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**6. What is ecological succession ? Explain huderarch succesion.**



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**7. Brifely describe the different stages involved is decomposition.**



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**8. Define productivity and mention its units**

**(b) Describe the types of primary productivity.**

**(c) Distinguish between GPP and NPP.**



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**9. What is nutrient cycling ? Explain the types of biogeochemical cycles mentioning example for each .**



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