SECTION A (32 marks)

Answer ALL questions in this section.

1. List the **three** sub-classes into which mammals are classified. (3 marks)

2. List **three** main types of feathers found in birds. (3 marks)

3. State the **three** orders of reptiles likely to be encountered by tourists in Kenya. (3 marks)

4. Name **three** benefits of conserving natural habitats in destinations. (3 marks)

5. List **four** ecological services of marine ecosystem in a destination. (4 marks)

6. Give **three** aspects that naturalists use when classifying new organisms identified in the field. (3 marks)

7. Mention **four** types of plant species defined on the basis of their environments. (4 marks)

8. State the **three** classes of marine organisms depending on their mobility and habitats. (3 marks)

9. Give **three** objectives of wildlife clubs of Kenya (WCK) in environmental education. (3 marks)

10. Mention **three** stages in metarmophosis of insects. (3 marks)

SECTION B (68 marks)

Answer any FOUR questions from this section.

11. (a) Identify **four** factors that determine the distribution of the world biomes. (8 marks)

    (b) Explain **six** types of wildlife areas popular with tourists in Kenya. (9 marks)

12. (a) Explain the purposes of the different vocalization in frogs. (8 marks)

    (b) Identify **six** uses of ostriches in the East African tourism industry. (9 marks)

13. (a) Outline **six** common characteristics of the species classified in the genus panthera. (9 marks)

    (b) Identify **four** aspects of studies in natural history of organisms that are of benefit to tour guides during a wildlife tour. (8 marks)

14. (a) Describe **six** reasons that make insects to be successful in adapting to different environments. (9 marks)

(b) Explain **four** marine life zones which can be visited by a tourist. (8 marks)

15. (a) Identify the **four** types of angiosperms classified on the basis of shape, size and form. (8 marks)

(b) Outline **six** roles played by the local community in an eco-tourism destination. (9 marks)

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