**ST.JOSEPH’S UNIVERSITY, BENGALURU -27**

Registration Number:

Date & session:

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**B.Sc. (ZOOLOGY) – I SEMESTER**

**SEMESTER EXAMINATION: OCTOBER 2022**

**(Examination conducted in December 2022)**

**ZOOE 2 – INDIAN WILDLIFE BIOLOGY**

**Time: 2 Hours Max Marks: 50**

**This paper contains THREE printed pages and FOUR parts**

**PART-A**

**Answer ALL of the following: Marks: 20 x 1 = 20**

1. According to the IUCN Red List, a \_\_\_\_\_\_\_\_\_\_\_\_ species is at risk of going extinct.
2. An \_\_\_\_\_\_\_\_ species is one that is only found in a specific region of a country and nowhere else.
3. According to the IUCN Red List, a \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ species faces no danger of extinction in the near future.
4. \_\_\_\_\_\_\_\_\_\_\_ is one of the biggest contributors of biodiversity loss globally.
5. According to the IUCN Red list, an \_\_\_\_\_\_\_\_\_\_\_\_ species is a species whose population is declining rapidly.
6. The lion tail macaque and nilgiri tahr are examples of \_\_\_\_\_\_\_\_\_ species.
7. Conserving an endangered animal in its habitat is called \_\_\_\_\_\_\_\_\_\_ conservation.
8. A botanical garden or zoo are examples of \_\_\_\_\_\_\_\_\_\_ conservation.
9. A country that has at least 5000 endemic plant species is called as a \_\_\_\_\_\_\_\_\_\_\_\_ country.
10. A region with significant biodiversity that is threated by deforestation is called a \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_.
11. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ occurs when one animal benefits while the other animal is neither harmed nor benefits from the interaction.
12. Camera traps are an example of \_\_\_\_\_\_\_ count method.
13. Counting pug marks is an \_\_\_\_\_\_\_\_\_\_ method of estimating population size or density of big cats.
14. Point count is an example of a \_\_\_\_\_\_\_\_ count method.
15. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a treaty that focuses on conservation of wetlands.
16. An animal that used as an ambassador for conserving a habitat is called a \_\_\_\_\_\_\_\_\_\_\_ species.
17. An animal whose extinction can potentially collapse an ecosystem is called a \_\_\_\_\_\_\_\_\_ species.
18. \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_ is when scientists recruit citizens to collect data for a large project.
19. When two animals rely on each other for survival or other benefits, this relationship is called \_\_\_\_\_\_\_\_\_\_\_\_.
20. The Wildlife Protection Act of India was drafted in the year \_\_\_\_\_\_\_\_\_\_.

**PART B**

**Answer ALL of the following Marks: 2 x 5 = 10**

1. What is the IUCN?
2. List any three threatened species in India.
3. Name two major wildlife sanctuaries dedicated to conserving tigers in India.
4. Differentiate between umbrella and flagship species.
5. What is the IUCN Red List?

**PART C**

**Answer any TWO of the following Marks: 2 x 5 = 10**

1. Using a diagram (map) illustrate the major biodiversity hotspots in India and provide an example of their unique fauna.
2. Briefly describe ways in which traditional communities contribute to conservation of local resources.
3. Briefly discuss whether ecotourism is an effective means of conservation. What are its advantages and disadvantages?

**PART D**

**Answer any ONE of the following Marks: 1 x 10 = 10**

1. Briefly describe two case studies of a conservation project using a flagship species in India. Discuss the effectiveness of implementation and progress in recent years.
2. List and describe any 3 direct and any 3 indirect wildlife census techniques used to monitor animal populations.

**END**