

B.Sc. ZOOLOGY
SIXTH SEMESTER (SPECIAL REPEAT)
WILDLIFE CONSERVATION & MANAGEMENT
BSZ-604

(Use separate answer scripts for Objective & Descriptive)

Duration : 3 hrs.

Full Marks : 70

(PART-A : Objective)

Time : 20 min.

Marks : 20

Choose the correct answer from the following:

1 × 20 = 20

1. Shrinkage of habitat for wildlife occurs due to
 - a. Deforestation
 - b. Encroachment
 - c. Forest fire
 - d. All of the above
2. In which area, killing of tiger is strictly prohibited due to their customs?
 - a. Gangtok of Sikkim
 - b. Roing of Arunachal Pradesh
 - c. Udanti of Chhattisgarh
 - d. None of the above
3. Isolation of the wildlife leads into
 - a. Inbreeding
 - b. Low population
 - c. Both a & b
 - d. None of the above
4. GIS is the science of _____ information.
 - a. Trophic
 - b. Multidimensional
 - c. Hypervolume
 - d. Spatial
5. GIS stands for
 - a. Geological information system
 - b. Geographical information system
 - c. Geothermal information system
 - d. Geohydric information system
6. Areas adjacent to streams and rivers are called as
 - a. Arid areas
 - b. Deltas
 - c. Estuary
 - d. Riparian areas
7. Maximum biomass is obtained in
 - a. Climax community
 - b. Serel community
 - c. Terminal community
 - d. Pioneer community
8. A dying off population is represented by a
 - a. Broad based pyramid
 - b. Urn shaped pyramid
 - c. Bell shaped pyramid
 - d. Upright pyramid
9. Death rate under existing specific local conditions is always
 - a. Low
 - b. High
 - c. Cannot be determined
 - d. Varies
10. Aerial census method is best suited for
 - a. Large animal
 - b. Open area
 - c. Plain terrain
 - d. All of the above

11. Ecotourism is a _____ method of learning.
- a. Cheap
 - b. Expensive
 - c. Sustainable
 - d. All of the above
12. Exponential growth of a population _____ the carrying capacity.
- a. Lowers
 - b. Exceeds
 - c. Cannot be determined
 - d. Varies
13. In case of satellite collar, the data can be obtained
- a. After re-capture
 - b. Daily tracking the animals
 - c. Obtain at any time
 - d. None of the above
14. Anthrax is a
- a. Viral disease
 - b. Helminthic disease
 - c. Bacterial disease
 - d. None of the above
15. A radio collar functions with
- a. GPS coordinates
 - b. Radio transmission
 - c. Both a & b
 - d. None of the above
16. How many zones are there in a national park?
- a. No zone
 - b. One zone
 - c. Two zones
 - d. None of the above
17. Tiger reserve is a kind of
- a. In-situ conservation
 - b. Ex-situ conservation
 - c. Both a & b
 - d. None of the above
18. Cryopreservation comes under
- a. In-situ conservation
 - b. Ex-situ conservation
 - c. Both a & b
 - d. None of the above
19. What is the full form of NTCA?
- a. National Tiger Conservation Agency
 - b. National Tiger Conservation Authority
 - c. National Tiger Conservation
Autonomy
 - d. None of the above
20. Under which section of the wildlife act of India, a wildlife sanctuary is declared?
- a. Section-17
 - b. Section-35
 - c. Section-36
 - d. None of the above

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[PART-B : Descriptive]

Time : 2 hrs. 40 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. Define wildlife. Enumerate the positive and negative values of wildlife. | 2+8=10 |
| 2. What is the composition of soil? Write about the physical and biological properties of soil. | 2+4+4=10 |
| 3. What is ecological succession? Write about the general process of succession. | 2+8=10 |
| 4. What are the differences between census and survey? Write details about the various methods of wildlife census. | 4+6=10 |
| 5. What is eco-tourism? Write about the aspects of eco-tourism. | 2+8=10 |
| 6. Define zoonotic diseases. Discuss some of the common zoonotic diseases found in wildlife with suitable examples. | 2+8=10 |
| 7. Define protected area. Describe different types of protected area found in India with their characteristics. | 2+8=10 |
| 8. Define tiger reserve. Describe the characteristic features of tiger reserves. | 2+8=10 |

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