

**M.Sc. ENVIRONMENTAL SCIENCE
FOURTH SEMESTER
WILDLIFE ECOLOGY: WILD LIFE HEALTH AND WEALTH
MEV-403A**

Duration : 3 hrs.

Full Marks: 70

[PART-A: Objective]

Time : 20 min.

Marks : 20

Choose the correct answer from the following:

1X20=20

- In 2016, severe anthrax outbreak was reported from which protected area of India?
 - Balpakram NP
 - Dibru Saikhowa NP
 - Pakke TR
 - Pobitora WLS
- Which one of the following is not an endoparasite?
 - Lungworm
 - Wookworm
 - Fluke
 - None of the above
- Clostridium chauvoei* is a causative organism of which disease?
 - Theileriosis
 - Mad dog disease
 - Black leg disease
 - Foot and mouth disease
- Which of the ethnovet treatment is effective in sheep pox disease?
 - Paste prepared of exudates of *Ficus*, sesame oil and ragi flour
 - Paste of neem leaves, tulsi leaves and turmeric powder, and sprinkled with water
 - Mixture of common salt, camphor, castor oil, and neem oil
 - Tobacco boiled in water
- What common symptom occur when leeches attack macaque monkeys?
 - Itching
 - Circular lesions
 - Redness
 - All the above
- The proximate cause of behavior are interactions with the environment, but the behavior is ultimately shaped by
 - The nervous system
 - Sexuality
 - Evolution
 - Hormones
- What of the following item is used to treat if any reptile or amphibian is infected by entamoeba?
 - Metronidazole
 - Fenbendazole
 - Levamisole
 - Coconut oil
- Who is commonly referred to as founder of behaviourism in study of animal behavior?
 - Edward L. Thorndike
 - Lehrman
 - John B. Watson
 - C.O. Whitman

9. If ethology is considered to be developed largely in Europe, then which place is considered as the origin of comparative psychology.
- a. Soviet Russia
b. China
c. Australia
d. America
10. Which is the tick borne disease in cattle?
- a. Vibriosis
b. Mastritis
c. Babesiosis
d. Brucellosis
11. A tree can generate Rs _____ lakh worth of oxygen.
- a. 5.3
b. 5.8
c. 6.4
d. None of these
12. Circus can enhance economic development in terms of _____
- a. Livelihood
b. Education
c. Food
d. All of these
13. _____ number of species of cats are traded in the world.
- a. 76
b. 63
c. 37
d. None of these
14. One of the important place for ivory importing continent is -
- a. Australia
b. Africa
c. Antarctica
d. None of these
15. Musk deers are listed in CITES _____.
- a. Appendix III
b. Appendix II
c. Appendix I
d. None of these
16. As per wildlife act of India, eggs are included in the definition of -
- a. Animal
b. Birds
c. Bone
d. All of these
17. Hunting is permitted for animals included in the schedule _____ of wildlife act of India.
- a. I
b. IV
c. V
d. None of these
18. Section _____ of wildlife amendment act of India includes the mitigation of human-wildlife conflict.
- a. 38K
b. 38X
c. 38U
d. 38O
19. The headquarter of GTF is located in-
- a. New York
b. New Delhi
c. London
d. None of these

20. Musk deer is listed in schedule __ of the wildlife act of India

a. I
c. III

b. II
d. V

(PART-B : Descriptive)

Time: 2 HRS 40 MINS

Marks : 50

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

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| 1. What is ethology? Critically discuss the experimental approaches to study animal behavior. | 2+8=10 |
| 2. What is anthrax? Write about the symptoms, treatments and preventive measure of anthrax. Give suitable example in support of your answer. | 2+6+2=10 |
| 3. What is epizootiology? What are different types of animal disease? Distinguish between infectious and non-infectious disease citing suitable examples. | 2+3+5=10 |
| 4. Write short notes on
A) Territoriality and home range
B) Taxes | 5+5=10 |
| 5. Classify wildlife tourism. How wildlife is affected by tourism? | 5+5=10 |
| 6. Define wildlife trade. Mention the reasons for the trade of wildlife citing suitable instances. | 2+8=10 |
| 7. Enumerate the role of two international organizations in wildlife conservation. | 5+5=10 |
| 8. How do wildlife education and outreach programs help in the conservation of wildlife? | 10 |

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