

SEAT No. _____

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SARDAR PATEL UNIVERSITY

B.Sc., V- SEMESTER EXAM, DECEMBER-2020

ZOOLOGY, US05CZOO24 (Ecology & Animal Behaviour)

DATE: 29-12-20, TUESDAY

TIME: 2pm to 4pm

MARKS: 70

Q-1. MULTIPLE CHOICE QUESTIONS.

(10)

1. Species are
 - (a) Dominant to other species
 - (b) Always remain isolated
 - (c) Always inter communicable
 - (d) Different gene pool
2. Ecotone is the
 - (a) Deep ecosystem
 - (b) Horizontal ecosystem
 - (c) Vertical ecosystem
 - (d) Connecting ecosystem
3. Community interactions are
 - (a) Predation
 - (b) Reproduction
 - (c) Competition
 - (d) All of above
4. Dams on Rivers are poorly affect the
 - (a) Species richness
 - (b) Abundances
 - (c) Diversity
 - (d) Resource availability
5. Official engendered species declared by
 - (a) IUCN
 - (b) WWF
 - (c) ZSI
 - (d) BNHS
6. Which one of the followings is a mouth breeder?
 - (a) Stickleback
 - (b) Eel
 - (c) Sea horse
 - (d) Cichlid
7. Courtship occur in Birds of Paradise by
 - (a) Light
 - (b) Pheromones
 - (c) Visual
 - (d) Sound
8. Large horns, sharp teeth are the consequence of
 - (a) Intrasexual selection
 - (b) Intersexual selection
 - (c) Both
 - (d) None of these
9. In which type of rhythm shows hibernation?
 - (a) Circannual
 - (b) Circadian
 - (c) Tidal
 - (d) Lunar
10. The hormone that is secreted to help with sleep is called
 - (a) Oxytocin
 - (b) Thyroid
 - (c) Adrenalin
 - (d) Melatonin

[1]

(P.T.O.)

Q-2. FILL IN THE BLANKS AND TRUE – FALSE.

(8)

1. Interior habitat always decreases after _____.
2. When two species use same resources called _____.
3. Skinner box is used in _____ method for studying animal behaviour.
4. The menstrual cycle is an example of a _____ rhythm.
5. Biodiversity is variety of life. **(True or False)**
6. Climate change affects to Natural resources. **(True or False)**
7. External fertilization is a primary form of fertilization. **(True or False)**
8. A Biological rhythm is best defined as a change over time. **(True or False)**

Q-2. ANSWER IN SHORT. (Attempt any 10)

(20)

1. What is Identical Niche?
2. What are the reasons of Competition?
3. Write about species Richness
4. Write about Effect of Pollution
5. How Biodiversity is useful to Universe?
6. Explain term green house effect.
7. Explain the term external & internal fertilization.
8. Write about attention & courtship by sound.
9. Explain the term sexual dimorphism with example.
10. Write about Lunar rhythm.
11. Explain the term Biological rhythm and Biological clock.
12. Write about Epicycles.

Q-4. LONG ANSWER QUESTIONS. (Attempt any 4).

(8×4 =32)

1. Describe stratification with their types.
2. Explain Edge effect.
3. Give a detail account of Importance of Biodiversity.
4. What is the Protocol of Endangered Species? Explain
5. Describe the methods of studying animal behaviour.
6. Explain the courtship in stickle back fish.
7. Describe the Tidal and circadian rhythm with examples.
8. Write an essay on Chronopharmacology.

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