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SEAT No. \_\_\_\_\_

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Sardar Patel University

Fifth Semester ( T.Y.B.Sc ), Zoology

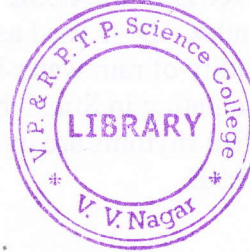
US05CZOO24 ( Ecology & Animal Behaviour)

Date : 26/11/2021

Time: 3:00 P.M TO 5:00 P.M

Day : Friday.

Marks : 70



Q-1

**MULTIPLE CHOICE QUESTIONS**

10

- 1 First national park established in india is :  
a. Gir national park b. JIM Corbett national park c. Kaziranga national park d. Periyar national park
- 2 Ecotone is the :  
a. Deep ecosystem b. Vertical ecosystem c. Connecting ecosystem d. Horizontal ecosystem.
- 3 Dr Salim ali involved with :  
a. WWF b. BNHS c. IUCN d. ZSI
- 4 Endangered species get entry in :  
a. Red date book b. Red tape book c. Red data book d. Red book
- 5 Animal court to :  
a. Synchronise release of gametes b. For pleasure c. to keep busy d. None
- 6 Spermatophore is deposited by :  
a. Peacock b. Newt c. Guppy d. None
- 7 Quiering is \_\_\_\_\_  
a. Quick dash b. gentle tapping c. curiosity d. None
- 8 Our sleep wake cycle follows a \_\_\_\_\_  
a. Infradian b. Circadian c. Circannual d. Ultradian
- 9 A circadian cycle is about \_\_\_\_\_ long.  
a. 90 minutes b. 28 days c. 1 year d. 24 hours.
- 10 One important aspects of intrasexual selection is \_\_\_\_\_.  
a. Parental care b. Courtship behavior c. Terrestrial behavior d. Male rivalry

(1)

P.T.O.

Q-2

**FILL IN THE BLANKS.**

08

- 1 The PH of acidrain is further lowered to as \_\_\_\_\_
- 2 About 10 % of ozone is in the \_\_\_\_\_.
- 3 Chichlid is a \_\_\_\_\_.
- 4 Melatonin is produced by \_\_\_\_\_ gland.

**STATE TRUE OR FALSE**

- 5 Simpson index 'D' is used as a way in measure ' Dominance ' TRUE/FALSE
- 6 Normal acidity of rain water is 5.6 . TRUE / FALSE
- 7 Sneaked in mating in Stickleback is reported by Lorenz. TRUE / FALSE
- 8 The circadian rhythms are internally driven and externally regulated.. TRUE/FALSE

Q-3

**ANSWER IN SHORT ( ANY TEN )**

20

- 1 Write about species diversity.
- 2 What is Ecocline?
- 3 Explain : Ecological Niches
- 4 Write about significance of biodiversity.
- 5 How do green houses work?
- 6 Write about effects of global warming.
- 7 Write advantages and disadvantages of statistical analysis methods.
- 8 Name the methods of studying behavior.
- 9 Write the advantages and disadvantages of naturalistic methods.
- 10 What is circadian rhythm.
- 11 What is circaannual rhythm .
- 12 What is Epicycles?



Q-4

**LONG ANSWER QUESTIONS ( ATTEMPT ANY 4 )**

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- 1 Write about importance of biodiversity.
- 2 Describe : Ecotone and edge effect
- 3 Write a note on : Acid rain.
- 4 Write about endangered species management.
- 5 Write a note on sexual conflict in parental care.
- 6 Explain : Types of fertilization.
- 7 Describe role of photoperiod in reproduction.
- 8 Write a note on chronopharmacology.

← X →

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