

[84/A-19]

SEAT No. _____

No. of Printed Pages : 2

SARDAR PATEL UNIVERSITY
B.Sc. - VI SEMESTER
MARCH-2019

EVOLUTION AND APPLIED ZOOLOGY

US 06 CZOO 03

TIME: 10.00PM-01.00PM

DATE: 29/03/2019 FRIDAY

MARKS: 70

Q-1 MULTIPLE CHOICE QUESTIONS

[10]

1. THE ORGANS WITH THE SAME FUNCTIONS BUT BELONGING TO DIFFERENT BASIC PLANS ARE KNOWN AS
a. HOMOLOGOUS ORGANS b. ANALOGOUS ORGANS c. HETEROLOGUS d. NONE OF THESE
2. COMPARISON OF OUTER CHARACTERS TO STUDY EVOLUTION IS CALLED COMPARATIVE
a. EMBRYOLOGY b. ANATOMY c. VERTEBRATE d. PALEONTOLOGY
3. STRUGGLE FOR EXISTENCE DESCRIBE BY
a. LAMARCK b. DARWIN c. DE-VRIES d. NONE
4. WHICH OF THE FOLLOWING IS PREMATING ISOLATING MECHANISM?
a. GAMETIC MORTALITY b. ZYGOTIC MORTALITY c. HABITAT ISOLATION d. HYBRID INVIABILITY
5. IN WHICH SYSTEM FEMALES CONTROL ACCESS TO MORE THAN ONE MALE?
a. POLYANDRY b. POLYGyny c. MONOGAMY d. NONE OF THESE
6. HYBRID ANIMALS ARE SURVIVE THROUGHSELECTION
a. NATURAL b. ARTIFICIAL c. REVERT d. COVERT
7. WHICH OF THE FOLLOWING GLAND IS INVOLVED IN THE INDUCED BREEDING BY HYPOHYSATION?
a. ADRENAL b. HYPOTHALAMUS c. PITUITARY d. THYMUS
8. HOW MANY CARPS ARE THERE IN FRESH WATER FISHES?
a. MAJOR b. MINOR c. COMMON d. ALL
9. WHICH OF THE FOLLOWING IS "EXOTIC" BREED OF FOWL?
a. ASEEL b. BUSTRAL c. GHAGUS d. NEW HAMPSHIRE
10. HEPARIN IS OBTAINED FROM
a. MUSK DEER b. BOVINE LUNGS c. PANCREAS OF GOAT d. FLESH OF PEACOCK

Q-2 SHORT QUESTION [ANY TEN]

[20]

1. GIVE A NOTE ON TIDAL HYPOTHESIS.
2. WRITE THEORY OF SPONTANEOUS GENERATION
3. WRITE ABOUT OBJECTION OF DE VRIES THEORY
4. WHAT IS GEOGRAPHICAL ISOLATION?
5. DEFINE ARTIFICIAL SELECTION
6. DEFINE POLYGAMY AND POLYANDRY.
7. QUALITIES OF CULTURABLE FISHES
8. DRAW LABELED DIAGRAM OF *CATLA CATLA*.
9. WRITE ABOUT DRAG NET
10. DRAW A LABELED DIAGRAM OF EGG
11. WRITE ABOUT SLANDERED MEAL FOR BUFFALO
12. WHICH CARE SHOULD BE TAKEN DURING SELECTION OF EGGS?

(1)

(P.T.O.)

- Q-3 [A] WRITE DOWN SALIENT FEATURES OF MUTATION THEORY. [05]
[B] STATE MODERN CONCEPT OF ORIGIN OF LIFE [05]
OR
- Q-3 WRITE NOTE ON
[A] DARWINISM [05]
[B] LAMARCKISM [05]
- Q-4 [A] EXPLAIN THE THEORY OF SEXUAL SELECTION. [05]
[B] EXPLAIN PREVENTING MECHANISM IN ISOLATION [05]
OR
- Q-4 [A] STATE IMPORTANCE OF COLOURATION [05]
[B] GIVE DETAIL ACCOUNT ON ALLOPATRIC SPECIATION. [05]
- Q-5 EXPLAIN FARM DESIGN FOR FRESH WATER FISHERY [10]
OR
- Q-5 DESCRIBE METHODS OF MARINE FISHING [10]
- Q-6 [A] GIVE AN ACCOUNT OF POULTRY PRODUCT [05]
[B] GIVE AN ACCOUNT OF PRODUCTS [05]
OR
- Q-6 EXPLAIN PHARMACEUTICALS FROM ANIMALS [10]

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(2)