

SEAT No. _____



No. of Printed Pages: 2

[A-15(B)]

SARDAR PATEL UNIVERSITY
B.Sc. EXAMINATION
SEMESTER- IV (NC)

US O4 EZOO 01

ELECTIVE ZOOLOGY

DATE 27/9/2022 - TUESDAY TIME : 12:30 TO 2:30 pm TOTAL MARKS-70

Q.1 Multiple choice question

10

1. Ampulla of Lorenzini organ found in _____
a) Earthworm b) Neries c) Shark d) all of above
2. Shark is excretes nitrogenous waste in forms of _____
a) Ammonia b) uric acid c) urea d) none of these
3. Four chambered heart found in _____
a) Aves b) prawn c) frog d) none of these
4. Inhibin hormone secrete by
a) Ovary b) testis c) both a & b d) none of these
5. The hormones of hypothalamus act on
a) Pituitary b) gonads c) thyroid d) all of these
6. The flight and flight response is developed by hormones of _____
a) Hypothalamus b) Adrenal medulla c) adrenal cortex d) thyroid
7. _____ provides site for implantation.
a) Oviduct b) uterus c) ovary d) none of these
8. _____ provides site for sperm maturation.
a) Utheria b) epididymus c) ejective duct d) none of these
9. The ability of the body to defense itself against specific in vading agents is called ____
a) Innate immunity b) immunology c) adaptive immunology d) non-specific immunity
10. Ecosystems contains _____
a) Immunology b) consumers c) hormones d) all of these

Q.2 True or false...

08

1. Shark fin use for locomotion (true/false)
2. sperm produced by testis (true/false)
3. Vitamin D hormone is important for immune system (true/false)

4. Pituitary gland secrete reproductive hormon (true/false)
5. Ovary produced ovum (true/false)
6. In boy face, hair developed during puberty (true/false)
7. Rock, Air both are abiotic factor (true/false)
8. Relationship between biotic factor and abiotic factor is called ecosystem (true/false)

Q.3 Answer the following questions (any ten)

20

- 1) Function of Gill
- 2) Define reproductive system draw female reproductive organ
- 3) Draw and labelled diagram of external characters of scoliodon
- 4) List out hormones of pituitary gland
- 5) Function of immunology
- 6) Write hormones of parathyroid gland
- 7) Write location and function of ovary
- 8) State location and function of epididymus
- 9) Write layers and function of uterus
- 10) What is decomposers? Write with examples
- 11) Name the types of adaptive immunity
- 12) What is inflammation? What is fever?

Q.4 Write any four detail answers

(8X4=32)

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| A-Describe the structure of ampulla of loenziniand internal year | 08 |
| B- Describe digestive system of Shark | 08 |
| C- What is Hormone? Describe hormone role in reproduction | 08 |
| D- Write brief note on Puberty | 08 |
| E- Describe Structure and function of antibody | 08 |
| F- Describe lymphatic system in detail | 08 |
| G-What is Ecosystem? Draw a ecosystem chart and explain Scavengers | 08 |
| H-Describe the structure of antibody and write about classes of immunoglobulin | 08 |

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