

SEAT No. _____

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SARDAR PATEL UNIVERSITY

B.Sc. VI – SEMESTER EXAM-2018

ZOOLOGY, US06CZ002 (COMPATATIVE ANATOMY OF CHORDATES)

DATE :28-3-2018,WEDNESDAY

TIME: 10am to 1pm

MARKS: 70

Q-1. MULTIPLE CHOICE QUESTIONS.

(10)

1. In Lamprey how many gills slits are present?
(a) 4 pairs (b) 5 pairs (c) 6 pairs (d) 7 pairs
2. The Jacobson organ is present in
(a) Lamprey (b) Shark (c) Lizard (d) Amphioxus
3. Swim bladder having open pneumatic duct is known as
(a) Protopterus (b) Physostomous (c) Physoclistous (d) None of these
4. Bidder's organ present in which one of the following animals?
(a) Male Toad (b) Calotes (c) Pigeon (d) Rabbit
5. In _____ urinary bladder is absent.
(a) Turtle (b) Snake (c) Ostrich (d) All of these
6. The Amniote kidney refers for _____
(a) Cyclostome (b) Fishes (c) Birds (d) Amphibians
7. Pecten is present in
(a) Fishes (b) Amphibians (c) Reptiles (d) Birds
8. The Pacinian corpuscles are considered as a sense of _____
(a) Pressure (b) Heat (c) Cold (d) Pain
9. Corpus lutea is synthesis _____ hormone.
(a) Relaxin (b) Estrogen (c) Progesteron (d) LH
10. _____ is serve as a regulate calcium & Phosphorous level in the blood.
(a) T₃ & T₄ (b) Parathormone (c) ACTH (d) MSH

①

(P.T.O.)

- Q-2. ANSWER IN SHORT (ANY TEN). (20)**
1. Write about types of gills.
 2. Name the functions of swim bladder.
 3. Write about types of respiration.
 4. Draw & label the diagram of T.S. of mammalian ovary.
 5. Name the types of mammalian Uteri with example.
 6. Name the types of kidney.
 7. Name & numbers the cranial nerves of human.
 8. Draw & label the diagram of Human eye.
 9. Comment upon tangoreceptors.
 10. Differentiate between exocrine & endocrine glands with example.
 11. Draw & label the T.S. of Adrenal gland.
 12. Write about functions of posterior part of Pitutary gland.
- Q-3. Describe: (a) Comparative anatomy of lungs. (7)
(b) Larval gills. (3)
OR
- Q-3. Describe: (a) Swim bladders found in Fishes. (7)
(b) Trachea and bronchi. (3)
- Q-4. Write notes on: (a) Anatomy of Metanephrose kidney. (7)
(b) Oviduct of Amphibians. (3)
OR
- Q-4. Describe the testis and urinogenital system of Human male. (10)
- Q-5. Write notes on: (a) Anatomy of Human brain. (7)
(b) Anatomy of gustatoreceptor. (3)
OR
- Q-5. Describe the structure of Human Ear with labeled diagram. (10)
- Q-6. Describe : (a) Hormones secreted from the anterior part of Pitutary gland. (7)
(b) Ovaries of mammals. (3)
OR
- Q-6. Describe : (a) Comparative anatomy of Thyroid gland. & (b) Placenta of mammals. (7+3)