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SUBJECT CODE NO: - SS-6643
FACULTY OF SCIENCE AND TECHNOLOGY
M.Sc. (Zoology) (Sem-IV)
Examination May / June - 2023
Fishery Science - II ZOO-408

[Time: 3:00 Hours]

[Max. Marks:80]

Please check whether you have got the right question paper.

N. B

- 1) Part 'A' is compulsory
- 2) Attempt any five questions from part 'B'
- 3) Draw a neat labelled diagram wherever necessary.

PART A

Q.1 Multiple-choice questions.

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- 1) Which of the following is an accumulation and releasing centre of neurohormone
A) Hypothalamus B) Anterior lobe of pituitary
C) Posterior lobe of pituitary D) Intermediate lobe of pituitary.
- 2) Sertoli cell is regulated by pituitary hormone known as.
A) LH B) FSH C) GH D) Prolactin
- 3) FSH is produced by.
A) Thyroid gland B) Posterior pituitary gland
C) Anterior pituitary gland D) Gonads.
- 4) The small intestine has three parts the first part is called
A) Duodenum B) Oesophagus C) Larynx D) None of the above
- 5) _____ is a characteristic feature of epithelial cell of intestine.
A) Glottis B) Pilus C) Bolus D) Microvilli
- 6) Which enzyme break down lactose.
A) Pepsin B) lactase c) Amylase D) lipase enzymes.
- 7) In fishes _____ chambers of heart is present.
A) 1 B) 3 C) 2 D) 4
- 8) _____ gland is found in elasmobranch for excretion of ions.
A) Rectal B) Adrenal C) Pituitary D) Thymus.
- 9) Which defects sound in fishes.
A) Brain B) Cranial nerves C) Olfactory receptor D) lateral line.

- 10) The portion of skull or brain of fishes is called as
 A) Centrum B) Neurocranium C) Hyomandibulas D) Puadrate.

PART B

- Q.2 Describe structure of heart in fishes. 12
- Q.3 Explain physiology of respiration in fishes. 12
- Q.4 Describe different types of electric 12 organ in fishes. 12
- Q.5 What is hormone & Describe, general classification and function of hormone 12
- Q.6 Describe structure of adrenal gland and explain different types of hormone secreted by adrenal gland. 12
- Q.7 Explain cranial nervous system in fishes. 12
- Q.8 Write short notes on (Any two) 12
- A. Migration in fishes
 - B. Swim bladder.
 - C. Types of scale.