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SUBJECT CODE NO: - BB - 2479
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (CBCGS) (Pattern 2022) F.Y SEM II
Examination November / December 2025
Fishery Science Paper-V Endocrinology and Physiology of Fishes

[Time: 1:30 Hours]**[Max. Marks: 40]**

Please check whether you have got the right question paper.

N. B

- 1) All questions are compulsory.
- 2) Draw diagram whenever necessary.
- 3) Use Only blue or black pen for writing.

Q1 Give an account of structure and function of Thyroid gland.**10****OR****Explain in brief**

- a) Hypothalamus as a neuro-endocrine organ
- b) physiology of digestion

Q2 Describe different methods used for isolation of fish pituitary gland.**10****OR****Explain in briefs**

- a) water as a biological medium for fishes
- b) History of artificial reproduction in fishes

Q3 Write short notes (any two)**10**

- 1) calcium metabolism
- 2) Islets of Langerhans
- 3) Gonads
- 4) Physiology of digestion.

Q4 MCQ's**10**

- 1) pancreatic juice is produced in the _____
 - a) Gall bladder
 - b) Liver
 - c) pancreas
 - d) Gonad
- 2) This is the most abundant hormone produced by the anterior pituitary.
 - a) LH
 - b) TSH
 - c) ACTH
 - d) GH

- 3) Hormone of Hypothalamus are called _____
a) Regulatory b) Pituitary
c) Tropic d) None of these
- 4) The main function of prolactin hormone in _____
a) Influence the activity of thyroid gland.
b) Control development of graafian follicles.
c) Initiate and maintain secretion of milk by mammary gland.
d) Regulating formation of pigment.
- 5) Vasopressin is responsible for _____
a) controlling oogenesis.
b) Regulating blood pressure & act on nephron
c) Regulating formation of pigment.
d) compolling spermatogenesis.
- 6) Follicle stimulating hormone (FSH) is secreted from _____
a) posterior lobe of pituitary b) Reproductive gland
c) Thyroid gland d) Anterior lobe of pituitary gland.
- 7) Urine concentration is controlled by _____
a) oxytocin b) ADH
c) MSH d) ACTH
- 8) Gonadotropin hormone is produced by _____
a) Interstitial cells of testis b) Adrenal Cortese
c) Adenohypophysis d) posterior part of thyroid
- 9) Endocrine glands are _____
a) ductless glands b) release hormones
c) formed by epithelial tissue d) all of these.
- 10) which of the following are part of reproductive system of fish?
a) testes b) ovary
c) both A and B d) None

