

**B.Sc. (LABORATORY SCIENCES) SEM. VI (CBCS – 2019 COURSE) : SUMMER – 2022**  
**SUBJECT: CLINICAL ENDOCRINOLOGY – II**

Day : Monday  
Date : 01-08-2022

Time : -  
Max. Marks: 20

S-22583-2022

**N.B.**

- 1) There are three section as  
Section – A = Objective Type Questions - 20 marks  
Section – B = Long Answer Questions - 20 marks  
Section – C = Short Answer Questions - 20 marks
- 2) Section A is given in **SEPARATE** sheet and has to be answered on same sheet. This sheet should be completed within the first 20 minutes of starting of the examination. This sheet with Section A only will be collected by the Supervisor.
- 3) Section B has four long questions and **ANY TWO** questions have to be answered.
- 4) Section C has six short questions and **ANY FOUR** questions have to be answered.
- 5) You have to make  such kind of mark in the box of the appropriate answers.

Seat No. \_\_\_\_\_

**SECTION - A**

MCQ's

(20)

- 1) Which of the following hormones is synthesized by anterior pituitary gland?
  - a)  Testosterone
  - b)  Cortisol
  - c)  Growth Hormone
  - d)  All of the above
- 2) Function of Aldosterone is \_\_\_\_\_.
  - a)  Release of Thyroid Hormones
  - b)  Acts on distal renal tubules to promote Na<sup>+</sup> reabsorption
  - c)  Regulates metabolism and immune system suppression
  - d)  All of the above.
- 3) Which of the following disorders is caused due to hyposecretion of adrenocortical hormones?
  - a)  Addison's disease
  - b)  Cushing's syndrome
  - c)  Conn's syndrome
  - d)  Adrenogenital syndrome
- 4) Which of the following hormones stimulates production of progesterone from corpus luteum cells in females?
  - a)  Follicle stimulating hormone (FSH)
  - b)  Thyroid stimulating hormone (TSH)
  - c)  Human chorionic gonadotropin (HCG)
  - d)  Luteinizing hormone (LH)

P.T.O.

- 5) Deficiency of growth hormone leads to
- a)  Acromegaly
  - b)  Dwarfism
  - c)  Gigantism
  - d)  None of the above
- 6) Which of the following are phases of menstrual cycle ?
- a)  Follicular
  - b)  Luteal
  - c)  Menstrual
  - d)  All of the above
- 7) The anterior pituitary gland hormone which initiates lactation is
- a)  Prolactin
  - b)  Growth hormone
  - c)  Thyroid Stimulating Hormone
  - d)  Human Chorionic Gonadotropin
- 8) All the following hormones are secreted by adrenal gland EXCEPT
- a)  Mineralocorticoids
  - b)  Glucocorticoids
  - c)  Thyroid hormone
  - d)  Catecholamine
- 9) All of the following are male sex hormones EXCEPT
- a)  Dehydroepiandrosterone
  - b)  Progesterone
  - c)  Dihydrotestosterone
  - d)  Testosterone
- 10) Which of the following hormone levels in blood are high in the morning and low in the evening?
- a)  Cortisol
  - b)  Thyroxine
  - c)  Epinephrine
  - d)  None of the above

Total Marks Obtained \_\_\_\_\_

Signature of Invigilator \_\_\_\_\_

Signature of Examiner \_\_\_\_\_

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BACHELOR OF SCIENCE (LABORATORY SCIENCES) (CBCS - 2019 COURSE)

B.Sc. (Lab Sci) Sem-VI :SUMMER- 2022  
SUBJECT : CLINICAL ENDOCRINOLOGY-II

Day : Monday  
Date : 1/8/2022

S-22583-2022

Time : 10:00 AM-12:00 PM  
Max. Marks : 40

**N.B.**

- 1) There are three section as  
Section – A = Objective Type Questions - 20 marks  
Section – B = Long Answer Questions - 20 marks  
Section – C = Short Answer Questions - 20 marks
- 2) Section B has four long questions and any two questions have to be answered.
- 3) Section C has six short questions and **ANY FOUR** questions have to be answered.
- 4) Answer to both the sections should be written in **SAME** answer book.

**SECTION - B**

Long Answer Questions (Attempt **ANY TWO**)

(20)

- 1) Enumerate the hormones synthesized by adrenal gland. Discuss their functions and add a note on tests assess adrenal function.
- 2) What is menstrual cycle? Describe the hormonal changes that occurs during the various phases of menstrual cycle.
- 3) Enumerate the hormones secreted by anterior pituitary gland. Explain the biochemical functions of growth hormone.
- 4) Discuss the synthesis, regulation and functions of Testosterone.

**SECTION - C**

Short Answer Questions (Attempt **ANY FOUR**)

(20)

- 1) Prolactin
- 2) Estrogen and Progesterone
- 3) Thyroid stimulating hormone (TSH)
- 4) Anti-diuretic hormone (ADH) and its disorders
- 5) Human Chorionic Gonadotropin(HCG)
- 6) Thyroid stimulating hormone

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