

**2021**

**BMLT**

**(B.Sc. Fifth Semester End Examination-2021)**

**PAPER-XXV (Theory)**

**Full Marks: 40**

**Time: 02 Hrs**

*The figures in the right hand margin indicate marks*

*Candidates are required to give their answers in their own words as far as practicable*

*Illustrate the answers wherever necessary*

**Clinical Endocrinology and Andrology**

**Group-A**

- 1. Answer any five questions of the following: 5x2= 10**
- a. What are chromophobes? 2
  - b. Define antisperm antibody. 2
  - c. What is chronicity index? 2
  - d. Why zurikker test is performed? 2
  - e. What is immunoassays? 2
  - f. What is C-ELISA? 2
  - g. Write the name of any two enzymes used for labering purpose of antibody in ELISA. 2

(2)

**Group-B**

2. Answer any four questions of the following: **5x4 = 20**
- a. Explain in detail about the hypothalamico – hypo-physical testicular axis with suitable figure. 5
  - b. What is synergistic action? Explain the feed back system that governes the hypothalamic pituitary axis. 2+3
  - c. What is function of epsilon cells. Write about the importance of hypothalamic- hypophyscal ovarian axis. 1+4
  - d. Describe the line diagram about the classification of immunoassay. 5
  - e. Write the programming of ELISA for hormone assay. 5
  - f. Mention the complications related to lead poisoning? What is chelation therapy. 4+1

**Group -C**

Answer any one question of the following: **10x1 = 10**

- a. i) Write about the vasacoustrictor effect of ADH. What is action of ADH on anterior pituitary?
  - ii) Write the actiology, signs and symptoms of Graves disease. 2+2+6
- or
- b. i) “ $\beta$  – cell status assessment is only performed by plasma c-peptide quantification” justify the statement. 4
  - c. ii) Describe the process of insulin synthesis by  $\beta$  – cells. 6