

Total Pages-02

RNLKWC/B.Sc.-CBCS/VS/BMLT-XXV/J/22

2022

BMLT

(B.Sc. Fifth Semester End Examination-2022)

PAPER-XXV

[Clinical Endocrinology, Toxicology and Andrology]

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

Group-A

1. Answer any five question of the following: 5x2 = 10
- a. Write the major types of ART.
 - b. Differentiate between ZIFT and GIFT .
 - c. Write the composition of semen.
 - d. What is superovulation?
 - e. What do you mean by 'thyroid storm'?
 - f. Explain the structure of C-Peptide.
 - g. Write about the absorption and deposition of mercury.
 - h. What do you mean by 'chelation therapy'?

(4)

Group-B

2. Answer any four questions of the following: **4x5 = 20**
- a) Differentiate between 'Toxic and non-toxic Goiter'. 5
 - b) Explain in detail about the metabolic effects of Insulin. 5
 - c) Explain the role of 'Gherlin' and 'Leptin'. $2\frac{1}{2} + 2\frac{1}{2}$
 - d) Explain the effect of acute and chronic poisoning due to lead toxicity? Write the symptoms associated with 'Minamata' disease. 3+2
 - e) Explain the relationship between 'Sertoli cells' and Leydig cells'. Mention the factors controlling spermatogenesis. 3+2
 - f) Write the action of testicular estrogen. Write two functions of Sertoli cells. 4+1

Group -C

3. Answer any one question of the following: **1x10=10**
- a) i) Explain the 'feedback regulation' of 'Hypothalamic Pituitary Thyroid axis.
 - ii) Explain in brief about Type 2 Diabetes Mellitus 7+3
 - b) i) Write the synthesis of testosterone with suitable diagram
 - ii) What do you mean by ICSI?
 - iii) Write the different steps of IUI adopted in ART. 5+1+4
-