

2009

BMLT

5th Semester Paramedical Examination  
CLINICAL ENDOCRINOLOGY & ANDROLOGY

PAPER—XIII (Unit-25)

Full Marks : 35

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

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

Illustrate the answers wherever necessary.

Answer Question No. 1 and any three from the rest.

1. Answer any five of the following :

5×1

- chlorate*
- (i) Write the examples of any two goitrogenic substances. ~~iodine~~
- (ii) What is normal level of fructose in semen? *150 - 300 µg/l*
- (iii) What is pancreatic C-Peptide?
- roy* (iv) Write the names of any two abnormal headed sperms. *Tapering head*
- totom* (v) What is positive feedback system in endocrine system? *Feedback*
- (vi) What is the definition of obesity?
- (vii) What is temporary endocrine gland? *which endocrine gland in functional state of certain part of our life. Placenta*
- (viii) Write the name of any one enzyme used in conjugate preparation in ELISA. *HRP - Horse radish peroxidase*

A byproduct of insulin production. Usually by the pancreas. C-peptide is a gauge of how much insulin is produced. It is made up with the amino acid with an amino acid...

(I, I)

2

2. (a) What are the main causes of male infertility?  
(b) Why IDI is the first preferable technique for the management of infertility?  
(c) When ICSI is adopted for infertility management?  
4+3+3
3. (a) Write the fundamentals of Sandwich ELISA.  
(b) Draw the shape of standard curve of C-ELISA and S-ELISA.  
(c) Write basic steps of testosterone assay through any type of ELISA.  
3+2+5
4. (a) Write the major causes of type-1 and type-2 diabetes mellitus.  
(b) Why infertility is noted in diabetes?  
(3+3)+4
5. (a) Discuss the role of testosterone and thyroxine on Spermatogenesis.  
(b) What is semen liquifaction?  
(4+3)+3
6. (a) Write the importance of Sperm motility.  
(b) Discuss the process of Sperm motility assessment.  
3+7