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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 : 1x5

- (a) Write the full form of GIFT and IUI.
- (b) Define infertility.
- (c) What do you mean by feedback control of endocrine system?
- (d) Write the names of any two enzymes used for the conjugate preparation in ELISA kit. *HRP, Urease, Alka Phos*
- (e) Define oligospermia.
- (f) What do you mean by solid phase ELISA?
- (g) What is glycated haemoglobin? *HbA1c*
- (h) Write the source of fructose in Semen. *Seminal vesicle*

2. (a) Write the main causes of female infertility. 0
2. (b) Describe in brief the process of sperm preparation for IUI. 0
2. (c) Write the fundamental steps of ICSI. 0 3+3+4

3. (a) What are the preconditioning for proper sperm count?
- (b) Write the composition of sperm diluting fluid.
- (c) State the steps of sperm count using WBC counting chamber. 3+3+4

- (a) What do you mean by interassay and intraassay variations?
- (b) Write the basic steps of testosterone assay using ELISA Kit. (2+2)+6

5. (a) Classify sperm on the basis of morphology.
- (b) Write the fundamental steps for the assessment of sperm morphology.

4. (a) Define teratospermia. 4+4+2

6. (a) Define primary hypertension and secondary hypertension.

- (b) Write the major causes of hypertension.

- (c) State the management of hypertension. (2+2)+3+3