

2023

**BMLT 5th Semester Examination**

**Clinical Endocrinology and Andrology**

PAPER — XIII (UNIT-25)

Full Marks : 40

Time : 2 hours

*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.*

Answer Q. No. **1** and *any three* questions  
from the rest.

1. Answer *any five* questions :  $2 \times 5 = 10$

~~(a)~~ What do you mean by teratospermia?

~~(b)~~ Write the full forms of ICSI and SUZI.

~~(c)~~ Define superovulation.

~~(d)~~ What do you mean by sperm viability? *fosiin-4*

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(Turn Over)

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- (e) What do you mean by Cushing syndrome?
- (f) Write the names of any two radioactive elements used in RIA.
- (g) What do you mean by endemic goiter?
- (h) What do you mean by antisperm antibody?
2. (a) Write the major causes of male infertility.  
(b) What do you mean by 'Artificial Insemination'?
- (a) Write the major steps of IUI.  $3+3+4=10$
3. (a) Write the composition of sperm diluting fluid.  
(b) Classify ~~sperms~~ on the basis of morphology.  
(c) Write the procedure of sperm count using WBC counting chamber.  $2+3+5=10$
4. (a) Briefly describe the function of pituitary adrenal axis.  
(b) State the role of testosterone and insulin in spermatogenesis.  
(c) Discuss the diagnostic criteria of different types of hyperthyroidism.  $3+4+3=10$

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(Continued)

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5. (a) Discuss about inter assay and intra assay variations in ELISA.  
(b) Why does obesity lead to male infertility?  
(c) Discuss about various feedback systems in endocrinology.  $4+2+4=10$
6. (a) Write the major causes of IDDM and NIDDM.  
(b) Write the procedure of measurement of Acid phosphatase in semen.  $4+4+2=10$   
(c) Why goitre is noted in hilly areas?

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