 LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

**P.G.** DEGREE EXAMINATION - **COMMON PAPER**

THIRD SEMESTER – APRIL 2011

# ML 3925 - HUMAN REPRODUCTIVE PHYSIOLOGY AND PATHOLOGY

Date : 15-04-2011 Dept. No. Max. : 100 Marks

Time : 1:00 - 4:00

**Answer all the following SECTION –A 2x10=20 marks**

1. Draw the labeled diagram of spermatozoa.

2. Define *ovulation.*

3. What is the purpose of breaking of water bag?

4. What is hermophrodites?

5. Expand the abbreviation: a) FSH, b) HSV, c) HRT and d) STD.

6. Define crowning.

7. Differentiate sexual from asexual reproduction.

8. Define menopause.

9. What is sperm capacitation?

10. What is parthenogenesis?

**Answer any four of the following SECTION B 4x10=40 marks**

11. Write a short note on functions and activity of testosterone with neat diagram.

12. Write short note on various stages of ovarian cycle with diagram.

13. Explain the male reproductive system with a neat labeled diagram.

14. Give an account on metabolic and physiological changes in pregnancy.

15. Explain oogenesis with neat labeled diagram.

16. What is STD? Write short note on a) syphilis and b) HIV.

**Answer any two of the following SECTION-C 2x20=40 marks**

17. Give an account on fertilization and implantation of ovum.

18. Describe the stages of parturition with labeled diagram.

19. Write an essay on a) Ectopic pregnancy & b) Gestational trophoblastic disease.

20. Describe the process of spermatogenesis in male.

\*\*\*\*\*\*\*