

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(DEEMED TO BE UNIVERSITY), SALEM**

**M.D. DEGREE EXAMINATION - April 2019**

**OBSTETRICS AND GYNAECOLOGY**

**PART I - PAPER I : APPLIED BASIC SCIENCES IN OBSTETRICS  
AND GYNAECOLOGY**

Time: Three hours

Maximum: 100 marks

**All questions carry equal marks**

**I. ANATOMY : (4 x 5 = 20)**

1. Anatomy of pelvic floor and it's role in labour.
2. Squmo-columar junction of the cervix and its clinical significance.
3. Course of pelvic ureter. What are the anatomical sites where it is susceptible to injury?
4. Structure and function of a mature grafian follicle.

**II. PHYSIOLOGY : (4 x 5 = 20)**

5. Physiology of lactation, contra indications for breast feeding .
6. Regulations of hypothalmo, pituitary – ovarian Axis during puberty.
7. Pregnancy in a hyper coagulable state - Explain.
8. Various Tu markers used in ovarian cancer.

**III. BIOCHEMISTRY : (3 x 5 = 15)**

9. Bio-chemical changes in cervix during pregnancy of labour.
10. Bio-chemical changes and it's significance in pre-eclampsia.
11. Bio-chemical screening in Down's syndrome.

**IV. PHARMACOLOGY : (3 x 5 = 15)**

12. Use of parenteral iron therapy in pregnancy of last trimester.
13. Prostaglandins in obstetrics.
14. Misoprostal in termination of pregnancy.

**V. PATHOLOGY : (3 x 5 = 15)**

15. Primary amenorrhea.
16. CVB
17. Pathology of endometrial biopsy in endometrial CA.

**VI. MICROBIOLOGY : (3 x 5 = 15)**

18. Bacteriology of PID and it's significance.
19. UTI in pregnancy.
20. Immunological disorders in obstetrics.