

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

**M.S. DEGREE EXAMINATION - October 2019**

**OBSTETRICS AND GYNAECOLOGY**

**PAPER I – APPLIED BASIC SCIENCES IN OBSTETRICS AND  
GYNAECOLOGY**

Time: Three hours

Maximum: 100 marks

**Answer any FOUR in Anatomy and Physiology. Three in other subjects.  
All questions carry equal marks**

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

1. Lymphatic drainage of the cervix.
2. Anatomy of internal iliac artery and its importance.
3. Development of vagina and its anomalies.
4. Implantation of the Fertilized ovum.

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

5. Fetal circulation
6. Physiological changes in CVS (Cardio Vascular System) in pregnancy.
7. Placental Hormones
8. Physiology of menstruation

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

9. PAPA –A (Pregnancy Associated Plasma Protein – A)
10. Carbohydrate metabolism in normal pregnancy
11. CA - 125

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

12. GNRH analogues
13. SERH
14. Magnesium sulphate in obstetrics.

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

15. Precocious puberty
16. Amniocentesis
17. Pap - smear

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

18. TORCH infection
19. Asymptomatic bacteriuria.
20. Describe the importance of Herpes virus infection in gynecology