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**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLOMBO**

**MD (OBSTETRICS & GYNAECOLOGY) EXAMINATION – MAY 2017**

**Date :- 15<sup>th</sup> May 2017**

**Time :- 9.00 a.m. – 12.00 noon**

**STRUCTURED ESSAY QUESTION PAPER (SEQ)**

Answer **all six (06)** questions.

Each question to be answered in a **separate book**.

1. Non invasive prenatal testing (NIPT) for aneuploidy screening
  - 1.1. How does this compare with existing tests? (40 marks)
  - 1.2. What are the reasons for potential errors with this test? (20 marks)
  - 1.3. Describe the accuracy of NIPT in singleton pregnancies. (10 marks)
  - 1.4. Suggest a model for its incorporation into clinical practice in Sri Lanka. (30 marks)
  
2. A 30-year old mother of one child is admitted at 29 weeks and 5 days of gestation in her second pregnancy with blood stained vaginal discharge and backache. Ultrasonography at 20 weeks has shown the placenta to be located in the fundus.  
  
Justify your management of this patient. (100 marks)
  
3. It has been revealed during the 2014 Maternal Death Review that there have been maternal deaths due to failure to provide Postpartum Family Planning (PPFP).
  - 3.1. What do women need to know about PPFP? (25 marks)
  - 3.2. What can be done to improve the opportunities for providing PPFP? (75 marks)

4. There is a clinical need for sex steroids in adolescent girls.
  - 4.1. List indications for their use. (15 marks)
  - 4.2. Evaluate the usefulness in clinical practice. (85 marks)
  
5. Critically evaluate the role of tubal surgery in female sub-fertility. (100 marks)
  
6. A 29-year old married woman is referred to the gynaecology clinic for management of dysmenorrhoea and dyspareunia. She has failed to conceive despite having had unprotected intercourse for the past one year. Her menstrual cycles are regular. She is otherwise healthy with no significant past medical or surgical history and has a normal BMI. Findings of clinical examination are suggestive of pelvic endometriosis.
  - 6.1. Discuss the strengths and limitations of investigations that could be performed on this patient. (35marks)
  - 6.2. Briefly discuss the treatment options you would propose for her condition. (65marks)