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**POSTGRADUATE INSTITUTE OF MEDICINE**  
**UNIVERSITY OF COLMBO**

**MD (OBSTETRICS & GYNAECOLOGY) EXAMINATION**  
**SEPTEMBER 2020**

**(2017 PROSPECTUS)**

**Date:** 18<sup>th</sup> September 2020

**Time:** 1.00 p.m. – 4.00 p.m.

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

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

**SHORT ANSWER QUESTIONS**

1. A 30 year old primigravida with an uncomplicated antenatal period presents at 34 weeks of gestation with reduced fetal movements for six hours. Ultrasound scan reveals intrauterine fetal demise.  
Describe the intrapartum and postnatal management (100 marks)
  
2. A 40 year old otherwise healthy woman with three children presents to gynaecology clinic with a complaint of heavy menstrual bleeding. Her clinical pelvic examination is normal. Histology reveals endometrial hyperplasia.  
Evaluate the management options (100 marks)

**STRUCTURED ESSAY QUESTIONS**

3. A 27 year old otherwise healthy woman with a BMI of 32 kg/m<sup>2</sup> who had one previous caesarean section is admitted in her third pregnancy at 38 weeks in spontaneous labour. You are called to the labour unit immediately, as the patient is unresponsive. She is found to have tachycardia, unrecordable blood pressure and is tachypnoeic.
  - 3.1. List **five (5)** possible causes (10 marks)
  - 3.2. Outline the immediate management (50 marks)
  - 3.3. Describe how you would arrive at a diagnosis (40 marks)

4. A 26 year old woman with beta thalassemia trait at 22 weeks in her second pregnancy has a haemoglobin of 8.2g/dl. She had two blood transfusions during her previous pregnancy two years ago.
- 4.1. Discuss the management of anemia during antenatal period (45 marks)
- 4.2. Describe the management of other complications that could develop during this pregnancy (35 marks)
- 4.3. How would you counsel her with regard to the thalassemic status of the baby? (20 marks)
5. A 25 year old woman with clinical features suggestive of polycystic ovary syndrome presents to the gynaecology clinic with infertility.
- 5.1. Outline the confirmation of polycystic ovary syndrome (20 marks)
- 5.2. Describe the associated health complications (25 marks)
- 5.3. Critically evaluate the treatment options available for ovulation induction (55 marks)
6. A 16 year old school girl presents unaccompanied to the "Mithuru Piyasa" following unprotected sexual intercourse 24 hours ago.
- 6.1. Discuss your approach (40 marks)
- 6.2. Explain the risks she is exposed to (20 marks)
- 6.3. What are the immediate and long-term strategies to minimize the above risks? (40 marks)