

[LG 0415]

APRIL 2015

Sub. Code: 3002

**FELLOWSHIP IN ULTRASOUND (OBGYN) EXAMS  
FIRST YEAR**

**(Candidates admitted 2013-2014)**

**PAPER II – BASIC SCIENCES RELATED TO ULTRASOUND  
(EMBRYOLOGY, ANATOMY, PHYSIOLOGY OF REPRODUCTIVE  
SYSTEM, PATHOLOGY AND CLINICAL ASPECTS OF OBSTETRICS  
AND GYNAECOLOGY)**

*Q.P. Code :233002*

**Time : Three hours**

**Maximum : 100 marks**

**I. Elaborate on :**

**(2 x 20=40)**

1. Describe the main events in the embryological development of the human heart.
2. Discuss the evaluation of bleeding in early pregnancy. How will ultrasound help manage this problem?

**II. Write notes on:**

**(10 x 6 = 60)**

1. Formation of the spinal cord
2. Diagnosis of ectopic pregnancy
3. Classification of medication in terms of teratogenic risk with examples
4. Placental changes in early onset preeclampsia
5. What is pregnancy of unknown location and what is the approach to management?
6. What is Biophysical profile and its value?
7. Classification of uterine malformations
8. Benign cystic teratomas of ovary
9. Haematological changes in pregnancy and how they may increase anemia?
10. Pathological patterns in abnormal uterine bleeding

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