

[LE 0414]

APRIL 2014

Sub. Code: 3011

FELLOWSHIP IN OBSTETRICS AND GYNECOLOGICAL ULTRASOUND
SECOND YEAR

(Candidates admitted 2012-2013)

PAPER V – FETAL ENVIRONMENT & DOPPLER

Q.P. Code :233011

Time : 3 hours

Maximum : 100 marks

Answer All Questions

I. Elaborate on :

(2 X 20=40)

1. Morphological changes in the placenta and their significance.
2. Describe the role of Doppler in IUGR.

II. Write Short Notes on:

(10 X 6 = 60)

1. Single umbilical artery – technique of identification and significance.
2. Oligohydramnios in the 2nd trimester
3. Chorioangioma of the placenta
4. Adherent placenta
5. Umbilical cord cysts and their significance
6. Describe the Doppler indices and their significance
7. Significance of ductus venosus doppler in the first trimester
8. Trans cerebellar diameter measurement technique and significance
9. Describe the measurement technique of amniotic fluid index
10. Describe the method of diagnosing nutritional IUGR

[LG 0415]

APRIL 2015

Sub. Code: 3011

**FELLOWSHIP IN OBSTETRICS AND GYNECOLOGICAL ULTRASOUND
SECOND YEAR**

(Candidates admitted 2012-2013)

PAPER V – FETAL ENVIRONMENT & DOPPLER

Q.P. Code :233011

Time : Three hours

Maximum : 100 marks

I. Elaborate on :

(2 x 20=40)

1. Doppler in IUGR secondary to placental dysfunction.
2. Amniotic fluid in fetal anomalies.

II. Write notes on:

(10 x 6 = 60)

1. High pulsatility index of uterine artery in target scan
2. Coiling of umbilical cord and its significance
3. Significance of A wave reversal in ductus venosus at 11-14 wks
4. Infiltrating placenta
5. Role of cord attachment in fetal abdominal wall defects
6. Ultrasound assessment of velamentous cord and its importance
7. Single vertical pocket assessment of amniotic fluid
8. Two vessel cord
9. Twin peak sign
10. Subjective assessment of amniotic fluid

[LI 0416]

APRIL 2016

Sub. Code:3011

**FELLOWSHIP IN ULTRASOUND (OBGYN) - DEGREE EXAMINATION
SECOND YEAR
PAPER V – FETAL ENVIRONMENT & DOPPLER**

Q.P. Code: 233011

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Doppler in Fetal Hypoxia secondary to placental dysfunction.
2. Role of Amniotic Fluid in Fetal Health and Disease.

II. Write notes on:

(10 x 6 = 60)

1. Role of uterine artery Doppler in predicting preeclampsia.
2. Cord cysts and masses.
3. Placental abruption.
4. What is Cerebro Placental Ratio?
5. Significance of Ductus Venosus Doppler.
6. Describe the various Doppler Indices used.
7. Ultrasonographic assessment of Oligohydramnios.
8. Sonographic evaluation of Placenta Accreta.
9. Role of cord attachment in fetal abdominal wall defects.
10. Appropriate technique for obtaining Middle Cerebral Artery doppler and its significance.

[LJ 1016]

OCTOBER 2016

Sub. Code:3011

**FELLOWSHIP IN ULTRASOUND (OBGYN) EXAMS
SECOND YEAR
PAPER V – FETAL ENVIRONMENT & DOPPLER**

Q.P. Code: 233011

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the sequelae of doppler changes in utero placental insufficiency and their significance in the intervention and fetal outcome.
2. What are the various conditions in which placenta is involved and the sonological appearance in all those conditions?

II. Write notes on:

(10 x 6 = 60)

1. Amniotic bands.
2. Chorionicity.
3. Doppler indices and significance.
4. MCA Doppler in sensitised rh negative pregnancy.
5. Incompetent os.
6. Umbilical cord cyst.
7. Fetal blood circulation.
8. Oligohydramnios.
9. Uterine septum.
10. Discordant twins and amniotic fluid index.

[LK 0517]

MAY 2017

Sub. Code:3011

**FELLOWSHIP IN ULTRASOUND (OBGYN) EXAMS
SECOND YEAR
PAPER V – FETAL ENVIRONMENT & DOPPLER**

Q.P. Code: 233011

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. What are the ultrasound interventional diagnostic test performed on placenta, amniotic fluid and umbilical cord? Describe in detail the various techniques of the above tests including the complications.
2. What is biophysical profile? Describe in detail the various components of the test including the role of ultrasound.

II. Write notes on:

(10 x 6 = 60)

1. Twin-twin transfusion.
2. Velamentous cord.
3. Chorioangioma.
4. Amniotic bands.
5. Placenta percreta.
6. Biometry of fetal head.
7. Cord around neck.
8. Single umbilical cord.
9. Amniotic fluid index.
10. Doppler indices.

[LL 1017]

OCTOBER 2017

Sub. Code:3011

**FELLOWSHIP IN ULTRASOUND (OBGYN) EXAMS
SECOND YEAR
PAPER V – FETAL ENVIRONMENT & DOPPLER**

Q.P. Code: 233011

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail the sonographic evaluation of a patient with Polyhydramnios.
2. Elaborate on the embryology, sonoanatomy of placenta in various trimesters and uteroplacental circulation.

II. Write notes on:

(10 x 6 = 60)

1. Intrauterine bands in pregnancy.
2. Non-trophoblastic tumors of placenta.
3. Amniotic fluid regulation.
4. Role of middle cerebral artery Doppler.
5. Single umbilical artery.
6. Placenta praevia.
7. Doppler indices and their significance.
8. Vascular anastomosis in MCDA twins.
9. Placental assessment in twin gestation.
10. Pitfalls in amniotic fluid assessment.

[LN 1018]

OCTOBER 2018

Sub. Code:3011

**FELLOWSHIP IN ULTRASOUND (OBGYN) EXAMS
SECOND YEAR
PAPER V – FETAL ENVIRONMENT & DOPPLER**

Q.P. Code: 233011

Time: Three hours

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How will you serially monitor a sensitised Rhnegative negative lady with a pregnancy of 20 weeks gestational age?
2. What is the Amniotic fluid index and it's significance? Discuss in detail the various alterations of the Amniotic fluid.

II. Write notes on:

(10 x 6 = 60)

1. Circumvallate placenta.
2. TTTS.
3. Biophysical profile.
4. Umbilical cord cyst.
5. Lambda sign.
6. Biophysical profile.
7. Umbilical artery Doppler.
8. Uterine septum.
9. Amniocentesis.
10. Cervical incompetence.
