[LJ 1016] OCTOBER 2016 **Sub. Code: 0411**

FELLOWSHIP IN MEDICAL GENETICS EXAMS
SECOND YEAR
PAPER V – CLINICAL GENETICS AND COUNSELLING

Q.P. Code :230411

Time : Three hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Describe the practical aspects of setting up a population screening programme.

2. Define prenatal diagnosis. Indication for prenatal diagnosis and issues that need to be considered during counseling.

II. Write notes on: **(10 x 6 = 60)**

1. Hardy Weinberg principle.
2. Draw pedigree of an X-linked recessive condition.
3. Principles and practice of Non- directive genetic counseling relating to reproductive choices.
4. Patient confidentiality in counseling.
5. Soft neurological signs.
6. Describe some common hand anomalies.
7. Approach to a newborn with suspected inborn error of metabolism.
8. Investigations in Ambiguous genitalia.
9. Types of neural tube defects.
10. Antenatal ultrasound Doppler uses.

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[LL 1017] OCTOBER 2017 **Sub. Code: 0411**

FELLOWSHIP IN MEDICAL GENETICS EXAMS
SECOND YEAR
PAPER V – CLINICAL GENETICS AND COUNSELLING

Q.P. Code: 230411

Time: Three hours **Maximum: 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. Discuss the invasive methods for prenatal diagnosis of chromosomal disorders.
2. Give a brief account of the common teratogens and their effects on the fetus.

II. Write notes on: **(10 x 6 = 60)**

1. Indications for prenatal testing.
2. Soft neurological signs.
3. Non-directive genetic counseling.
4. Autosomal dominant inheritance.
5. Confined placental mosaicism.
6. Genes and environment in Intellectual disability.
7. Significance of pedigrees in diagnosis and management of genetic disorders.
8. Ambiguous genitalia.
9. Fetal interventional therapy.
10. Consanguinity and genetic disorders.

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[LN 1018] OCTOBER 2018 **Sub. Code: 0411**

FELLOWSHIP IN MEDICAL GENETICS EXAMS
SECOND YEAR
PAPER V – CLINICAL GENETICS AND COUNSELLING

Q.P. Code :230411

Time : Three hours **Maximum : 100 Marks**

I. Elaborate on: **(2 x 20 = 40)**

1. With suitable examples describe two categories of genetic disorders that warrant prenatal diagnosis?

2. Discuss the ethical issues in genetic testing. Add notes on conflicts relating to patient confidentiality and the right of a family member to know their genetic status.

II. Write notes on: **(10 x 6 = 60)**

1. Cell-free fetal DNA-based non-invasive prenatal testing.
2. Soft neurological signs.
3. Emotions and reactions commonly encountered in genetic counseling.
4. Autosomal recessive inheritance.
5. Computer databases in the diagnosis of dysmorphic syndromes.
6. Common human teratogens and their effects.
7. Preimplantation genetic diagnosis.
8. Newborn screening.
9. Genetic risk calculation.
10. Regulations governing rights of the retarded child.

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