

[LS 117]

NOVEMBER 2020
(OCTOBER 2020 SESSION)

Sub. Code: 2090

M.D. DEGREE EXAMINATION
BRANCH XXIII – ANATOMY
PAPER II – EMBRYOLOGY AND GENETICS

Q.P. Code: 202090

Time : Three Hours

Maximum : 100 Marks

I. Essay:

(2 x 15 = 30)

1. Describe in detail about rotation of midgut and its associated anomalies
2. Describe in detail about the development of female gonad and accessory organs of reproduction in female along with its anomalies

II. Short notes:

(10 x 5 = 50)

1. Karyotyping
2. Prenatal diagnosis
3. Post natal changes in foetal circulation
4. Mutagens
5. Axis artery
6. Sex linked Inheritance
7. Development of diaphragm
8. Inter ventricular septal defect
9. Development of ear
10. Neural crest cells

III. Reasoning Out:

(4 x 5 = 20)

State whether each of the following statement is TRUE or FALSE and reason out.

1. Excretory part of kidney develops from mesonephros
2. Second part of duodenum is supplied by branch of coeliac trunk
3. Muscles are mesodermal in origin
4. Ultimobranchial body is derived from 5th pharyngeal arch
