

[LL 117]

OCTOBER 2017

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 10 = 20)

1. Describe the development of neural tube.
2. Describe the formation of extra embryonic mesoderm and mention its derivatives.

II. Short Questions:

(8 x 5 = 40)

1. Morula.
2. Placenta.
3. Notochord.
4. Sclerotome.
5. Inter atrial septum.
6. Turner's syndrome.
7. Development of face.
8. Denver's classification of chromosomes.

III. Reasoning Out:

(4 x 5 = 20)

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

1. Pancreas develops by rotation of ventral bud to dorsal bud.
2. After rotation of stomach, anterior border becomes lesser curvature.
3. Physiological hernia occurs to provide space to the developing liver.
4. Failure of closure of anterior neuropore results in anencephaly.

IV. Very Short Answers:

(10 x 2 = 20)

1. Implantation.
2. Barr body.
3. Karyo typing.
4. Rathke's pouch.
5. Azygos lobe of lung.
6. Tuberculum impar.
7. Simian crease.
8. Epiphoron.
9. Patent foramen ovale.
10. Autosomes and allosomes.
