

[LK 117]

MAY 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 thyroid gland.
2. Describe mid gut rotation.

II. Short Questions:

(8 x 5 = 40)

1. Neural plate.
2. Second pharyngeal pouch.
3. Inter ventricular septum.
4. Maxillary process.
5. Centres of ossification.
6. Developmental composition of tympanic membrane.
7. Mesonephric duct.
8. Down's syndrome.

III. Reasoning Out:

(4 x 5 = 20)

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

1. Fertilisation occurs in the uterine tube.
2. The germ layer that is formed first is the ectoderm.
3. Lingual swellings arise from mandibular arch.
4. Neuro hypophysis develops as a downgrowth from Diencephalon.

IV. Very Short Answers:

(10 x 2 = 20)

1. Bilaminar disc.
2. Formation of notochord.
3. Anterior neuropore.
4. Myelencephalon.
5. First pharyngeal cleft.
6. Left fourth aortic arch.
7. Para meso nephric duct in male.
8. Ectopia vesicae.
9. Embryonic period.
10. Define ovulation.
