

[LI 117]

APRIL 2016

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 Pharyngeal Arch.
2. Discuss the development of Ear in details.

II. Short Questions:

(8 x 5 = 40)

1. Sexlinked inheritance.
2. Axis Artery.
3. Development of Thoracic Diaphragm.
4. Extra Embryonic Coelom.
5. Development of Para thyroid Gland.
6. Tubo Tympanic recess.
7. Intermediate Mesoderm.
8. Structural aberration of Chromosome.

III. Reasoning Out:

(4 x 5 = 20)

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

1. Increased risk of Leukaemia occurs in Turner's Syndrome.
2. Cri-du is due to Trisomy 18.
3. Prostatic Utricle is developed from Paramesonephric duct.
4. Lymphatic system is developed from Mesoderm.

IV. Very Short Answers:

(10 x 2 = 20)

1. Chorion.
2. Notochordal Process.
3. Tuberculum Impar.
4. Prochordal Plate.
5. Scleratome
6. Barr Body.
7. Secondary Mesoderm.
8. Chorionic villi.
9. Cell Culture.
10. Mutation.
