

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 the development of the lungs along with its associated anomalies.
2. Describe the development of the testis and the male accessory organs of reproduction. Add a note on the anomalies associated with it.

II. Short notes:

(10 x 5 = 50)

1. Development of superior vena cava.
2. Inversion.
3. Ectopia vesicae.
4. Development of stomach.
5. Nondisjunction.
6. Development of adrenal gland.
7. Branchial cyst.
8. Congenital megacolon.
9. Spina bifida occulta.
10. Rectovaginal fistula.

III. Reasoning Out:

(4 x 5 = 20)

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

1. Prostatic urethra develops only from the caudal part of the vesicourethral canal.
2. Mesoderm and endoderm contribute to the formation of vagina.
3. Annular pancreas causes constriction of the duodenum.
4. The definitive endoderm is formed from cells of the hypoblast.
