

September 2008

[KT 229]

Sub. Code: 2234

M.S. DEGREE EXAMINATION

Branch V – ANATOMY

Paper II – EMBRYOLOGY AND GENETICS

(Common to all candidates)

Q.P. Code : 222234

Time : Three hours

Maximum : 100 marks

Draw suitable diagram wherever necessary.

Answer ALL questions.

I. Essay questions :

(2 X 20 = 40)

1. Describe the fate of endodermal cloaca and mention the congenital anomalies.
2. Define the abnormalities of chromosomes and explain their role in producing different syndromes.

II. Write short notes on :

(10 X 6 = 60)

1. Rotation of midgut.
 2. Intermediate inheritance.
 3. Development of lens.
 4. Fate of intra embryonic coelomic cavity.
 5. Genome project.
 6. Primary organizer.
 7. Arteries of lowerlimb.
 8. Development of pancreas and congenital abnormalities.
 9. Development of palate.
 10. D.N.A. hybridization techniques.
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