

[LA 0412]

Sub. Code: 1002

M.Sc ANATOMY DEGREE EXAMINATIONS
Candidates admitted from 2008-2009
PAPER II – EMBRYOLOGY AND GENETICS
Q.P. Code : 281002

Time : Three hours

Maximum :100marks

Answer All questions.

I. Elaborate on :

Pages Time Marks
(Max.) (Max.) (Max.)

- | | | | |
|---|----|----|----|
| 1. Describe the development of placenta and the anomalies associated with it. | 17 | 40 | 20 |
| 2. Describe the development of kidneys and the anomalies associated with it. | 17 | 40 | 20 |

II. Write notes on :

- | | | | |
|-----------------------------------|---|----|---|
| 1. Translocation | 4 | 10 | 6 |
| 2. Autosomal dominant inheritance | 4 | 10 | 6 |
| 3. Bilaminar germ disc | 4 | 10 | 6 |
| 4. Omphalocoele | 4 | 10 | 6 |
| 5. Mutation | 4 | 10 | 6 |
| 6. Development of thyroid gland | 4 | 10 | 6 |
| 7. Somite | 4 | 10 | 6 |
| 8. Pedigree chart | 4 | 10 | 6 |
| 9. Neural crest cells | 4 | 10 | 6 |
| 10. Hardy Weinberg principle | 4 | 10 | 6 |

[LB 1012]

OCTOBER 2012

Sub. Code: 1002

M.Sc ANATOMY DEGREE EXAMINATIONS
(For candidates admitted from 2008-2009 regulations)

PAPER II – EMBRYOLOGY AND GENETICS

Q.P. Code : 281002

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.)(Max.)(Max.)

- | | | | |
|--|----|----|----|
| 1. Describe in detail about the development of Heart. Add a note on its development defects. | 17 | 40 | 20 |
| 2. Describe in detail about the development of Gut. Add a note on omphalocele. | 17 | 40 | 20 |

II. Write Notes on:

- | | | | |
|------------------------------------|---|----|---|
| 1. Mesonephric duct. | 4 | 10 | 6 |
| 2. Connecting stalk. | 4 | 10 | 6 |
| 3. Development of Diaphragm. | 4 | 10 | 6 |
| 4. Sex linked Inheritance. | 4 | 10 | 6 |
| 5. Karyotyping. | 4 | 10 | 6 |
| 6. Development of Thyroid gland. | 4 | 10 | 6 |
| 7. Mutation. | 4 | 10 | 6 |
| 8. Development of Pituitary Gland. | 4 | 10 | 6 |
| 9. Gene Therapy. | 4 | 10 | 6 |
| 10. Klinefelter Syndrome. | 4 | 10 | 6 |

[LD 1013]

OCTOBER 2013
M.Sc ANATOMY DEGREE EXAM
(2008-2009 batch onwards)
FINAL YEAR
PAPER II – EMBRYOLOGY AND GENETICS

Sub.Code :1002

Q.P. Code: 281002

Time: Three hours

Maximum : 100 Marks

Answer All questions

I Elaborate on:

(2x20 =40)

1. Describe the structural abnormalities of chromosomes in detail along with examples in human.
2. Describe the development of kidney and its developmental anomalies by giving reasons.

II. Write Short notes on:

(10 x 6 = 60)

1. Recombinant DNA technology.
2. Development of neurocranium.
3. Development of tooth
4. Twinning
5. Mendel's law
6. Staining methods of chromosomes.
7. Genetic counselling
8. Control of embryonic development
9. Karyotyping
10. Development of portal vein.
