

[KZ 1011]

Sub. Code: 3072

**M.Sc (MEDICAL SOCIOLOGY) DEGREE EXAMINATION
FIRST YEAR**

(For candidates admitted from 2010-2011 session onwards)

PAPER II – ANATOMY AND PHYSIOLOGY OF HEALTH AND ILLNESS

Q.P. Code : 283072

**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. Regarding breathing write-

- a) Name the muscles of breathing (b) Cycle of breathing
(c) Physiological variables affect breathing
(d) Lung volumes and capacities.

17 40 20

2. Regarding Lymphatic system-

- a) Define Lymph (b) Structure of Lymph node
(c) Functions of Lymph node
(d) Structure of Spleen.

17 40 20

II. Write notes on :

1. Cartilage

4 10 6

2. Oedema

4 10 6

3. Interior of Heart

4 10 6

4. Carcinogens

4 10 6

5. Glomerulonephritis

4 10 6

6. Structure of Artery

4 10 6

7. Protein energy Malnutrition

4 10 6

8. Endometriosis

4 10 6

9. Structure of Skin

4 10 6

10. Gall bladder

4 10 6

[LA 0412]

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Answer All questions.

I. Elaborate on :

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

- | | | | |
|--|----|----|----|
| 1. What are the various enzymes acting on fats in the diet?
How are the digested fats absorbed in the body?
Add a note on steatorrhea. | 17 | 40 | 20 |
| 2. Describe the thyroid gland under the following headings:
-gross anatomy
-development
-microscopic anatomy
-applied anatomy | 17 | 40 | 20 |

II. Write notes on :

- | | | | |
|----------------------------|---|----|---|
| 1. Artificial respiration | 4 | 10 | 6 |
| 2. Menopause | 4 | 10 | 6 |
| 3. Rickets | 4 | 10 | 6 |
| 4. Blood supply of stomach | 4 | 10 | 6 |
| 5. Functions of stomach | 4 | 10 | 6 |
| 6. Hypothyroidism | 4 | 10 | 6 |
| 7. Jaundice | 4 | 10 | 6 |
| 8. Causes of deafness | 4 | 10 | 6 |
| 9. Structure of neuron | 4 | 10 | 6 |
| 10. Spermatogenesis | 4 | 10 | 6 |

[LB 1012]

OCTOBER 2012

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PHYSIOLOGY OF HEALTH AND ILLNESS

Q.P. Code : 283072

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. Define Haemostasis. Explain in details about steps of blood Coagulation. Add note on Haemophilia. | 17 | 40 | 20 |
| 2. Elaborate in details about the parts, structure, blood and nerve supply of Uterus. | 17 | 40 | 20 |

II. Write Notes on :

- | | | | |
|---|---|----|---|
| 1. Enumerate the functions of liver. | 4 | 10 | 6 |
| 2. Explain briefly transport of oxygen in the blood. | 4 | 10 | 6 |
| 3. Mention the functions of Skin. | 4 | 10 | 6 |
| 4. Write the functions of cortisol. | 4 | 10 | 6 |
| 5. The composition and functions of Cerebrospinal fluid. | 4 | 10 | 6 |
| 6. Electrocardiogram (ECG). | 4 | 10 | 6 |
| 7. Differences between benign and malignant tumour. | 4 | 10 | 6 |
| 8. Write the structure and functions of Spleen. | 4 | 10 | 6 |
| 9. Trace the Optical pathway. | 4 | 10 | 6 |
| 10. Write the structure and functions of Urethra in male and females. | 4 | 10 | 6 |

[LC 0413]

APRIL 2013

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PHYSIOLOGY OF HEALTH AND ILLNESS**

Q.P. Code : 283072

Time : 3 hours

Maximum : 100 marks

I. Elaborate on:

(2x20=40)

1. Name the Respiratory centers. Explain in details about control of Respiration. Add note on Hypoxia.
2. Explain briefly the process of Urine formation. Add note on stress incontinence.

II. Write notes on :

(10X6=60)

1. Enumerate the structure and functions of Skin.
2. Explain briefly the Neuromuscular Junction.
3. Mention the composition and functions of Saliva.
4. Write the structure, blood supply and functions of ovary.
5. Write the structure, blood supply and functions of Trachea.
6. Write about the Cushing Syndrome.
7. Accommodation of eye.
8. Write the structure and functions of Cerebellum.
9. Mentions the factors regulating Cardiac Output.
10. Write the structure and functions of Leucocytes.
