

[KT 235]

SEPTEMBER 2008

Sub. Code: 3052

M.Sc. (MEDICAL SOCIOLOGY) DEGREE EXAMINATION

FIRST YEAR

(For candidates admitted from 2007-2008 onwards)

PAPER II – ANATOMY AND PHYSIOLOGY OF HEALTH AND ILLNESS

Q.P. Code: 283052

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Draw neat diagram of Lead II ECG & label the waves. What is Myocardial infarction?
What are the changes in ECG during Myocardial infarction?
2. Name the nuclei of Basal Ganglia. What is a nigrostriatal pathway?
List the features of Parkinson's disease? How do you treat it?

II. Write notes on:

(10 x 6 = 60)

1. What are the phases of Menstrual cycle? Name the hormones regulating Menstrual cycle?
2. Explain with the help of a diagram Auditory pathway. Name the types of deafness.
3. Blood and its composition?
4. What is audiometry?
5. Microscopic structure of small intestine, its functions and disorders associated with it.
6. Describe the anatomy of lung, its functions and applied anatomy.
7. Describe the eye ball and errors of refraction.
8. Describe the testes, its functions and causes of infertility.
9. Microscopic structure of bone, its functions and applied anatomy.
10. Mechanism of coagulation and describe the bleeding disorders.

[KU 235]

MARCH 2009

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Q.P. Code: 283052

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Name the parts of the digestive system and describe the stomach, its relations, blood supply, histology and functions in health and diseases. (5+10+5)
2. Name the parts of the respiratory system and describe the lung, transport of gases between it and tissues. Add a note on respiratory adjustments in health and diseases. (5+10+5)

II. Write notes on:

(10 x 6 = 60)

1. Blood supply of heart.
2. Describe the structure of skin and its functions.
3. Microscopic structure and functions of nephrons.
4. Ovary and its functions.
5. Define blood pressure and describe the factors maintaining it.
6. Describe the blood groups, its uses and hazards of blood transfusion.
7. Describe the lymph node and its functions.
8. Describe the liver and its functions.
9. Anatomy of kidney and its functions.
10. Pancreas and its functions.

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Q.P. Code: 283052

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Enumerate the endocrine glands in our human body and describe in detail about thyroid gland - its position, important relations, blood supply, histology and functions.
2. Name the organs of urinary system. Describe in detail about anatomy of kidney and its function.

II. Write notes on:

(10 x 6 = 60)

1. Uterus and its function.
2. Organs of special senses.
3. Lymphoid organs and its function.
4. Classify the nervous system. Name some common diseases affecting the nervous system.
5. Classify the muscle types. Give examples.
6. Gall bladder and its function.
7. Classify the tissues and write about any one tissue in detail.
8. Organs of male reproductive system. Discuss any one organ in detail.
9. Structure of skin and its function.
10. List out the bones of upper and lower limbs and discuss its function.

[KX 235]

SEPTEMBER 2010

Sub. Code: 3052

M.Sc. (MEDICAL SOCIOLOGY) DEGREE EXAMINATION

FIRST YEAR

(For candidates admitted from 2007-2008 onwards)

PAPER II – ANATOMY AND PHYSIOLOGY OF HEALTH AND ILLNESS

Q.P. Code: 283052

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Briefly describe cardiac cycle. What are the factors controlling cardiac output?
Add a note on heart sounds.
2. Name the endocrine glands in the human body. Mention their hormones and their important functions in the body.

II. Write notes on:

(10 x 6 = 60)

1. Structure and functions of liver.
2. Functions of Red Blood Corpuscles (RBC).
3. Deep reflexes.
4. Uses of fibre in the diet.
5. Defence mechanisms in the body.
6. Shock.
7. Sense of smell.
8. Digestion and absorption of carbohydrates.
9. Structure and functions of stomach.
10. Write a short note on hypertension.

[KY 235]

MAY 2011

Sub. Code: 3052

M.Sc. (MEDICAL SOCIOLOGY) DEGREE EXAMINATION

FIRST YEAR

(For candidates admitted from 2007-2008 onwards)

PAPER II – ANATOMY AND PHYSIOLOGY OF HEALTH AND ILLNESS

Q.P. Code: 283052

Time : Three Hours

Maximum : 100 marks

Answer ALL questions

I. Elaborate on:

(2 x 20 = 40)

1. Classify the various types of Joints. Describe the Knee joint under the following headings types of joint ligaments and action of Knee joint. **(5+10+5)**
2. Name the organs of Digestive system and describe the anatomy of pancreas, blood supply, histology and function in health and diseases. **(5+10+5)**

II. Write notes on:

(10 x 6 = 60)

1. Anatomy of Liver and its function.
2. Classify the types of Bone. Draw and label the T.S of a long bone.
3. Name the organs of respiration and discuss in detail about Lung and its function.
4. Blood supply of Heart.
5. Define cells and tissues and name the various types of tissues in Human body.
6. Name the female reproductive organ and discuss in detail about ovary and its function.
7. Microscopic structure and functions of Nephron.
8. Name the various types of anatomical positions and commonest position used to examine the abdomen.
9. Name the various body cavities in human body and name the various abdominal organs.
10. Structure of Eye and its function in health and diseases.

M.Sc. (MEDICAL SOCIOLOGY) DEGREE EXAMINATION**FIRST YEAR****(For candidates admitted from 2007-2008 onwards)****PAPER II – ANATOMY AND PHYSIOLOGY OF HEALTH AND ILLNESS*****Q.P. Code: 283052*****Time : Three Hours****Maximum : 100 marks****Answer ALL questions in the same order.****I. Elaborate on:****Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|---|----|---------|----|
| 1. Define cardiac output. What is the normal value?
What are factors controlling cardiac output? Write a note on methods used to measure cardiac output. | 17 | 40 min. | 20 |
| 2. Name the respiratory centres. Where are they located?
Describe in detail chemical regulation of respiration. | 17 | 40 min. | 20 |

II. Write notes on:

- | | | | |
|---|---|---------|---|
| 1. Baroreflex. | 4 | 10 min. | 6 |
| 2. Superficial and deep reflexes. | 4 | 10 min. | 6 |
| 3. Types of synapse (Anatomical and Physiological) and properties of synapse. | 4 | 10 min. | 6 |
| 4. Innervations of the urinary bladder. | 4 | 10 min. | 6 |
| 5. Digestion and absorption of carbohydrates. | 4 | 10 min. | 6 |
| 6. Structure of a cell with help of a diagram. | 4 | 10 min. | 6 |
| 7. Excitation Contraction Coupling. | 4 | 10 min. | 6 |
| 8. Explain Starling forces. Briefly discuss pathophysiology of Oedema. | 4 | 10 min. | 6 |
| 9. Enterohepatic circulation. | 4 | 10 min. | 6 |
| 10. Sense of smell. | 4 | 10 min. | 6 |
