

AUGUST 2007

[KR 1010]

Sub. Code : 4701

B.Sc. (Nursing) DEGREE EXAMINATION.

(New Regulation for the Candidates admitted from
2006-07 onwards)

First Year

Paper I — ANATOMY AND PHYSIOLOGY

Time : Three hours Maximum : 75 marks

Descriptive : Two hours and Descriptive : 60 marks
forty five minutes

Objective : Fifteen minutes Objective : 15 marks

Answer ALL questions.

Answer Section A and Section B **Separately**.

SECTION A

(ANATOMY)

I. Essay : (1 × 15 = 15)

Name the endocrine glands present in our body and describe in detail about the thyroid gland. Add a note on its histology, embryology and its anomalies.

II. Write short notes on : (3 × 5 = 15)

- (a) Cerebrospinal fluid
- (b) Gall bladder
- (c) Structures under the gluteus maximus.

SECTION B

(PHYSIOLOGY)

III. Essay : (1 × 15 = 15)

Enumerate the factors involved in blood coagulation and describe the two mechanism of blood coagulation. Add a note on anticoagulants.

IV. Write short notes on : (3 × 5 = 15)

- (a) Contraceptive methods
- (b) Factors affecting glomerular filtration rate
- (c) Functions of liver.

FEBRUARY 2008

[KS 1010]

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Paper I — ANATOMY AND PHYSIOLOGY

Q.P. Code : 664701

Time : Three hours Maximum : 75 marks

Descriptive : Two hours and Descriptive : 60 marks
forty five minutes

Objective : Fifteen minutes Objective : 15 marks

Answer ALL questions.

Answer Section A and Section B Separately.

SECTION A

(ANATOMY)

I. Essay : (1 × 15 = 15)

Describe the classification of the joints. Explain the synovial joint with the suitable example with its applied anatomy.

II. Short notes : (3 × 5 = 15)

- (a) Inguinal canal
- (b) Blood supply of the heart
- (c) Decidua.

SECTION B

(PHYSIOLOGY)

III. Essay : (1 × 15 = 15)

Define blood pressure and pulse pressure. What are its normal values? Describe how blood pressure is measured. Add a note on hypertension.

IV. Write short notes on : (3 × 5 = 15)

- (a) Plasma proteins.
- (b) Functions of cerebellum
- (c) Functions of saliva.

August-2008

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Q.P. Code : 664701

Time : Three hours

Maximum : 75 marks

Answer ALL questions.

Answer Section A and Section B Separately.

SECTION A

(ANATOMY)

- I. Essay : (1 × 15 = 15)
1. (a) Enumerate the Endocrine glands with their position. (5)
- (b) Describe the location, Parts, Capsule, Relations, blood supply and Histology of Thyroid gland. (10)

II. Write short notes : (3 × 5 = 15)

1. Uterus.
2. Spinal Cord.
3. Coronary circulation

III. Short answer questions : (5 × 2 = 10)

1. Give two examples for a ball and socket joint.
2. Name two glands lined by cuboidal epithelium.
3. Name the parts of a long bone.
4. Name the ossicles in the middle ear.
5. Mention the layers of the epidermis of the skin.

SECTION B

(PHYSIOLOGY)

I. Essay : (1 × 15 = 15)

1. What is the normal RBC count? Describe the stages of Erythropoiesis. What are the factors influencing erythropoiesis?

II. Write short notes : (2 × 5 = 10)

1. Spermatogenesis.
2. Reflex arc.

III. Short answer questions : (5 × 2 = 10)

1. List any two important functions of WBC'S?
2. What are the Vitamin K dependent clotting factors?
3. Mention the four lung volumes.
4. List any two gastrointestinal hormones.
5. Mention any two functions of bile.