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Total No. of Printed Pages: [01]

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B. Sc. Operation Theater Technology (Semester – 1st)

HUMAN ANATOMY & PHYSIOLOGY-I

Subject Code: BOTTS1 -101

Paper ID: [20131901]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Define Anatomical position
- b. List the functions of bile
- c. Name the layers of skin
- d. What are the functions of saliva?
- e. Anatomical planes
- f. Classify white blood cells (WBC)
- g. Name major blood vessels of the heart.
- h. Write about waves of ECG
- i. What are the types of shock?
- j. What is difference between blood and lymph?

Section – B

(5 marks each)

- Q2. Discuss in brief structure of external ear
- Q3. Types and causes of jaundice
- Q4. Discuss factors affecting cardiac output
- Q5. Classify muscles. Add a note on structure of skeletal muscle.
- Q6. Discuss stages of erythropoiesis

Section – C

(10 marks each)

- Q7. Classify joints. Discuss in detail the types and examples of synovial joints.
- Q8. Enumerate the parts of GIT. Discuss the digestion and absorption of carbohydrates.
- Q9. Discuss in detail ABO blood groups and Blood transfusion reactions