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M. Sc. [Medical]
1st YEAR EXAMINATION (Supple), 2018 (Dec.)

Time: Three Hours]

[Maximum Marks: 100

Note: Attempt all questions. Draw neat labeled diagrams to support your answers.

Part –A (Anatomy)

1. Discuss in short—
 - a. Classification of bones with special notes on sesamoid bones. [8]
 - b. Synovial joints. [7]
 - c. Various types of movements. [8]
2. Write short notes on:-
 - a. Typical spinal nerve. [5]
 - b. Fertilization [5]

Part –B (Physiology)

1. Define blood pressure. Discuss the short term regulation of blood pressure. [2+6]
2. Write short notes on:-
 - a. Iron deficiency anaemia. [5]
 - b. Composition & functions of gastric juice. [5]
 - c. Phagocytosis [5]
 - d. Surfactant [5]
 - e. Functions of Growth hormone. [5]

Part –C (Biochemistry)

1. What are proteins? How are they classified depending on the structure? [2+4]
2. Discuss TCA cycle and its inhibitors. [4+3]
3. Write short notes on:-
 - a. Disorders of vitamin D deficiency [3]
 - b. Prostaglandins: types and their functions [3]
 - c. Deficiency manifestations of vitamin A [3]
 - d. Factors affecting enzyme activity with examples [3]
4. Describe in brief:-
 - a. PDH complex: coenzymes and their role [3]
 - b. Enzyme inhibitors: types with examples [3]
 - c. Phenylketonuria [3]

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