

First Professional BUMS Degree Regular Examinations July 2023
Munafeul Aza – Paper I
(2022 Scheme)

Time: 3 hrs

Max Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers

1. Multiple Choice Questions (20x1=20)

The Answers to MCQ questions (Q.No.i to Q.No.xx) shall be written continuously on the first two writing sheets (ie Page No. 3 & 4) only

- i. The process which maintain the internal environment at normal range is called.....
a) Diffusion b) Osmosis c) Homeostasis d) Reaction
- ii. Which region of a skeletal muscle sarcomere changes its width during muscle contraction:
a) Z line b) A band c) M line d) I band
- iii. One of the following is not a type of acid base buffer system :
a) Sulphate buffer system b) Bicarbonate buffer system
c) Protein buffer system d) Phosphate buffer system
- iv. Rate of diffusion is inversely proportional to
a) Temperature b) Concentration gradient
c) Solubility substances d) Size of the molecule
- v. Excessive loss of hydrogen ion from the body causes.....
a) Metabolic alkalosis b) Metabolic acidosis
c) Respiratory alkalosis d) Respiratory acidosis
- vi. Which organelle of the cell is concerned with oxidation
a) Lysosomes b) Ribosomes
c) Mitochondria d) Golgi apparatus
- vii. Transitional epithelium is characteristics feature of lining of
a) Gall Bladder b) Urinary bladder c) Uterus d) Esophagus
- viii. junctions are the junctions which prevent the movement of ions and molecules from one cell to another cell.
a) Occluding b) Communicating c) Anchoring d) Adherence
- ix. Matrix of the connective tissue is characterised by presence of
a) Hyaluronic acid b) Phospholipids
c) Chondroitin sulfate d) Collagen fibers
- x. Vitreous humour of eye is the example of
a) Jelly like connective tissue b) Myeloid tissue
c) Fibrous tissue d) Elastic tissue
- xi. is the principal protein responsible for colloid osmotic pressure.
a) Globulin b) Prothrombin c) Fibrinogen d) Albumin
- xii. In embryonic life up to three months of intrauterine life of fetus, the RBC are formed by.....
a) Liver b) Spleen
c) Mesoderm of yolk sac d) Bone marrow

(PTO)

- Short Answer Questions** **(8x5=40)**

- Long Answer Questions** **(4x10=40)**

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