

**First Professional BUMS Degree Supplementary Examinations
September 2025
Munafeul Aza – Paper II
(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
- Draw table/diagrams/flow charts wherever necessary

1. Multiple Choice Questions (20x1=20)

The responses for 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. What portion of the nephron extends into the medulla
 - a) Nephron loop of henle
 - b) Proximal convoluted tubule
 - c) Distal convoluted tubule
 - d) Papillary duct.
- ii. The triangular area of the urinary bladder between the two ureters posteriorly and the urethra anteriorly is the
 - a) External urinary sphincter
 - b) Internal urinary sphincter
 - c) Smooth muscle
 - d) Trigone
- iii. Major excretory product in urine of human being is
 - a) Sodium chloride
 - b) Ammonia
 - c) Urea
 - d) Uric acid
- iv. The _____ drains blood from the glomerular capillaries.
 - a) Efferent arteriole
 - b) Afferent arteriole
 - c) Renal pelvis
 - d) Urethra
- v. Which of the following is not normal constituent of urine
 - a) Uric acid
 - b) Urea
 - c) Lipoprotein
 - d) Creatinine
- vi. The skin is a _____ membrane
 - a) Mucous
 - b) Cutaneous
 - c) Serous
 - d) Synovial
- vii. The normal Skin color is due to:
 - a) Melanin
 - b) Carotene
 - c) Hemoglobin
 - d) Keratin
- viii. The epidermis is made of
 - a) Simple squamous epithelium
 - b) Stratified squamous epithelium
 - c) Simple cuboidal epithelium
 - d) Loose connective tissue
- ix. The substance that lubricates skin and hair, weakens bacteria on the surface of the skin is
 - a) Cerumen
 - b) Keratin
 - c) Sebum
 - d) Sweat
- x. What happens when the body temperature rises above normal
 - a) Blood flow to the skin decreases
 - b) Melanocyte activity increases
 - c) Vasoconstriction occurs
 - d) Blood flow to the skin increases
- xi. Sweet taste is sensed mainly at:
 - a) The tongue edge
 - b) The tongue back
 - c) The tongue tip
 - d) The tongue base
- xii. Vomiting center is located in
 - a) Medulla oblongata
 - b) Pineal gland
 - c) Pituitary gland
 - d) Hypothalamus

(PTO)

