



Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore- 641043.

Continuous Internal Assessment Test –I February - 2025
SEMESTER - VI

Class : III UG

Major : PA

22BPAC33 NEPHROLOGY

Time : 2 hours

Max.Marks : 60

Course outcome: At the end of the course, students will be able to,

- 1: Gain knowledge about normal structure and functions of kidney
- 2: Help the students to evaluate the patient with kidney disease
- 3: Identify the Disorders of Kidney Structure and Function
- 4: Recognize strategies for Dialysis and Kidney Transplantation
- 5: Distinguish the Consequences of Advanced Kidney Disease

Part A

Choose the correct answer

6X1=6

1. The process by which substances move from the renal tubules back into the blood is known
a) Filtration b) Reabsorption c) Secretion d) Excretion. CO1K1
2. The term used to describe a decrease in the glomerular filtration rate (GFR) is:
a) Oliguria b) Azotemia c) Anuria d) Renal insufficiency CO1K1
3. The commonly used imaging modalities is commonly used to diagnose urinary obstruction?
a) MRI scan b) CT scan c) X-ray d) Ultrasound CO2K1
4. The Normal concentration of sodium level is CO2K1
a) 135 to 145 MEQ/L b) 140 to 145 MEQ/L c) 130 to 145 MEQ/L d) 1125 to 145 MEQ/L
5. The commonly prescribed for the treatment of uncomplicated UTI caused by E. coli?
a) Penicillin b) Ciprofloxacin c) Vancomycin d) Metronidazole CO3K1
6. The most common causative organism of uncomplicated urinary tract infections? CO3K1
a) E. coli b) Staphylococcus aureus c) Streptococcus pyogenes d) Pseudomonas aeruginosa

Part – B

Answer the following

Answer should not exceed 300 words or one page

3x6=18

7. a) Explain the Ultrafiltration. (or) CO1K1
b) Discuss on Urine Concentration & Dilution. CO1K2
8. a) Describe Aldosterone regulation mechanism (or) CO2K2
b) Explain disorders of urine. CO2K2
9. a) Write short notes on ARF. (or) CO3K1
b) Explain on diagnosis on Renal disorders. CO3K2

Part –C

Answer the following

Answer should not exceed 700 words or four pages 3 x 12= 36

- 10.a) Elaborate on Fluid and Electrolyte Imbalance with renal diseases. **(or)** CO1K1
b) Explain in detail on Acid and Base Imbalances CO1K2
11. a) Explain on GFR and Urine formation and urine abnormalities. **(or)** CO2K3
b) Discuss on Diagnostic imaging in 5evaluation of Kidney diseases. CO2K2
12. a) Describe in detail about Urinary Tract Infections. **(or)** CO3K2
b) Elaborate on Glomerular disease. CO3K2

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Staff Incharge: Mrs. Sylvia Joice. M.J.