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MATRIC NUMBER: 18/MHS07/016

COLLEGE: MEDICINE AND HEALTH SCIENCES

DEPARTMENT: PHARMACOLOGY

COURSE CODE: PHS 212

COURSE TITLE: RENAL PHYSIOLOGY, BODY FLUID & TEMPERATURE REGULATION AND AUTONOMIC NERVOUS SYSTEM.

DATE: 23RD JUNE 2020 – 30TH JUNE 2020

ASSIGNMENT: WRITE A SHORT NOTE ON THE CHARACTERISTICS (AND COMPONENTS) OF URINE

CHARACTERISTICS OF URINE

PHYSICAL CHARACTERISTICS OF URINE: urine is a sterile waste product composed of water soluble nitrogen products. The physical characteristics of urine include;

- Colour
- Turbidity (transparency)
- smell
- pH (acidity – alkalinity)
- Density

Many of the physical characteristics are notable and identifiable by vision while some require laboratory testing.

CHEMICAL CHARACTERISTICS OF URINE

Normal urine consist of water, urea, salt and pigments. Urine is an aqueous solution of greater than 95% water. Other chemical constituents include;

- Urea 9.3 g/l
- Chloride 1.83 g/l
- Sodium 1.17g/l
- Potassium 0.750 g/l
- Creatinine 0.670 g/l
- Other dissolved ions
- Inorganic and organic compounds (proteins, hormones, metabolites).