**NAME: ODODO PEACE OMOJO**

**MATRIC NUMBER:18/MHS02/126**

**DEPARTMENT: NURSING SCIENCE**

**COURSE CODE: PHS212**

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

Physical characteristics of urine:

Characteristics of the urine change, depending on influences such as water intake, exercise, environmental temperature, nutrient intake, and other factors.

* Color: pale yellow to amber
* Odor: odorless
* Volume: 750-2000mL/ 24hour
* pH: 4.5-8.0
* Specific gravity: 1.003-1.032
* Turbidity: urine turbidity is gauged subjectively and reported as clear, slightly cloudy, opaque or flocculent. Excess turbidity results from the presence of suspended particles in the urine. Causes of abnormal turbidity include: increased cells, urinary tract infections or obstructions.
* Osmolarity: 40-1350 mOsmol/kg

Components of urine

* Urobilinogen: 0.2- 1.0 mg/100mL
* White blood cells: 0-2 HPF (per high power field of microscope)
* Leukocyte esterase: None
* Protein: None or trace
* Bilirubin: less than 0.3mg/100mL
* Ketones: None
* Nitrites: None
* Blood: None
* Glucose: None
* Urine is an aqueous solution of greater than 95% water
* Urea 9.3 g/L.
* Chloride 1.87 g/L.
* Sodium 1.17 g/L.
* Potassium 0.750 g/L.
* Creatinine 0.670 g/L.
* Other dissolved ions, inorganic and organic compounds (proteins, hormones, metabolites).