

B.Sc. DIALYSIS TECHNOLOGY
(New Syllabus 2014-2015)

THIRD YEAR

PAPER II – RENAL DISEASE THERAPEUTICS

Q.P. Code: 801337

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Define hypertension. Mention its stages. What are the causes of secondary hypertension? How do you manage hypertension?
2. Define - acute kidney injury. What are the stages of acute kidney injury? Write down its cause and complication.
3. What are the physiological changes and causes related to kidney during pregnancy? How do you do dialysis in a pregnant lady.

II. Write notes on: **(8 x 5 = 40)**

1. Write a note on cystic kidney disease.
2. Urinalysis and its importance in diagnosis of kidney disease.
3. Causes and evaluation of obstructive nephropathy.
4. Role of renal biopsy in diagnosing renal diseases. What are the contraindications and complications of renal biopsy?
5. Mineral bone disease in chronic kidney disease.
6. Discuss the risk factors for recurrent renal stone disease.
7. Electrolyte abnormalities in chronic kidney disease.
8. Role of ultrasound in diagnosis of kidney disease.

III. Short answers on: **(10 x 3 = 30)**

1. What is estimated glomerular filtration rate? Formulae for calculation of glomerular filtration rate.
2. Define nephrotic syndrome.
3. Define – acute kidney disease.
4. Name few causes of chronic kidney disease in indian population.
5. Name various preparations of iron for parenteral administration.
6. Sterile pyuria and its causes.
7. Name few causes of nephrocalcinosis.
8. Mention few conditions with asymptomatic urinary abnormalities.
9. What is post obstructive diuresis?
10. Erythropoietin.
