

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. What are the stages of hypertension? Discuss about the complications of hypertension and management.
2. Define Acute Kidney Injury. Classify Acute Kidney Injury and list out the various causes of AKI and its management.
3. Discuss in detail about the various complications of Chronic Kidney Disease.

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

1. How will you evaluate a patient with proteinuria?
2. How will you estimate glomerular filtration rate and discuss the stages of Chronic Kidney Disease?
3. Discuss the role of imaging modalities – Ultrasonogram, CT scan and MRI scan in the diagnosis of kidney disease.
4. What are the causes for recurrent kidney stones? Discuss the risk factors for kidney stones and dietary management.
5. What are the physiological changes related to kidney in pregnancy? How will you manage hypertension in pregnancy.
6. Role of Phosphate binders in management of Chronic Kidney Disease.
7. Complications of Autosomal Dominant Polycystic Kidney Disease.
8. Renal complications of Diabetes mellitus.

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

1. Diet advice for a patient with nephrotic syndrome.
2. Causes of Renal Artery Stenosis.
3. Define Nephrotic Syndrome.
4. List out three congenital anomalies of kidney.
5. Vaccination in dialysis patients.
6. List out three causes for secondary nephrotic syndrome.
7. How will you manage hyperkalemia in non dialysis patient?
8. What are the parts of a nephron?
9. List out three complications of diuretic therapy.
10. Name three common microorganisms associated with urinary tract infection.
