



BALUCHISTAN PUBLIC SERVICE COMMISSION

Samunqli Road, Quetta Cantt.
(Examination Branch)

Dated Quetta, the 25th July, 2024

PRESS RELEASE

No.BPSC/EXAM/SYLLABUS/8/2022 76-80. It is notified for the information of candidates who have applied against the following posts the post of **Assistant Professor/ Senior Registrar Nephrology (B-18)** in the Health Department that their **MCQs Test** would be held in accordance with the syllabus available at the official website of BPSC www.bpsc.gov.pk:-

Note: The date and time of abovementioned test would be announced in due course of time.

(GHULAM MURTAZA SARPARRAH)
DIRECTOR (EXAMS)
Balochistan Public Service
Commission

No Even Dated Even

Copy forwarded to:-

1. The Director General, Public Relations Balochistan, Quetta for publication in the Daily Newspaper.
2. The DAILY JANG, DAILY EXPRESS, DAILY MASHRIQ QUETTA and INTIKHAB, Hub.
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5. Notice Board, BPSC.

(GHULAM MURTAZA SARPARRAH)
DIRECTOR (EXAMS)
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Syllabus for the post of Assistant Professor/ Senior Registrar
Nephrology (B-18) in the Health Department

Qualification:

- i. MBBS recognized/registered by the PMC; AND
- ii. FCPS/MS/MD. in the respective specialty OR other equivalent qualification in the respective specialty recognized/registered by the PMC.

Subjects:

A. General Nephrology.

1. Disorder of water and sodium metabolism.
2. Disorders of Calcium, Phosphate, and Magnesium Metabolism.
3. Disorders Acid-Base Balance.
4. Introduction to Glomerular Disease: Histologic Classification and Pathogenesis.
5. New advancement in treatment of glomerular diseases.
6. KDIGO guidelines in management of glomerulonephritis.
7. Hypertension, new guidelines of hypertension.
8. Classification,
 - Renovascular Hypertension and Ischemic Nephropathy.
 - Endocrine Causes of Hypertension.
 - Nonpharmacologic and Pharmacologic Treatment of Hypertension.
9. Diabetic Kidney Disease.
 - Prevention and Treatment of Diabetic Kidney Disease.
 - Management of the Diabetic Patient with Chronic Kidney Disease.
10. Nephrolithiasis and Nephrocalcinosis.
11. Pathophysiology and Etiology of Acute Kidney Injury.
 - Diagnosis and Clinical Evaluation of Acute Kidney Injury.
 - Prevention and Management of Acute Kidney Injury.
12. Pathophysiology of Disease Progression in Chronic Kidney Disease.
 - Cardiovascular Disease in Chronic Kidney Disease.
 - Anemia in Chronic Kidney Disease.
 - Bone and Mineral Disorders in Chronic Kidney Disease.
 - Long term complications and treatment of CKD.
 - Polycystic kidney disease, diagnosis and management.

B. Dialysis and management of chronic kidney disease.

1. Vascular Access.
2. Hemodialysis: Dialysis Prescription and Adequacy.
3. Peritoneal Dialysis: Principles, Techniques, and Adequacy.
4. Peritoneal Dialysis: Principles, Techniques, and Adequacy.
5. Acute Complications During Hemodialysis.

C. Plasma Exchange, indication, complications, what is new this era.

D. Renal transplantation.

1. Immunologic Principles in Kidney Transplantation.
2. Immunosuppressive Medications in Kidney Transplantation.
3. Evaluation and Preoperative Management of Kidney Transplant Recipient and, Evaluation and Preoperative Management of Kidney

5. Medical Management of the Kidney Transplant Recipient:
6. Infections in transplantation.
7. Post- Transplant Malignancies.
8. Medical Management of the Kidney Transplant recipient, Metabolic abnormalities.
9. Chronic Allograft Injury.
10. Recurrent of Disease in Kidney Transplantation.
11. What are new in renal transplantation.
12. Immunological risk stratification and tailored minimization of immunosuppression in renal transplant recipients.
13. ABO incompatible and transplantation.
14. Immunosuppression minimization and withdrawal in renal transplantation.
15. Protocol Biopsies.
16. Management of Antibody mediated rejection.
17. Management of T-cell mediated graft rejection.
18. Management of failing graft.
19. Possibilities of second transplantation.

NOTE: BOOKS ALREADY RECOMMENDED BY PMC WITH EMPHASIS ON ABOVE MENTIONED SUBJECTS.