



- a) PCT  
c) Loop of Henle
- b) DCT  
d) None of these
- (ix) Which hormone is metabolised in the kidney. Select the correct option
- a) Parathyroid hormone  
c) Both
- b) Insulin  
d) None of these
- (x) Select the correct option for the technique used to detect 'Lucent Calculi', in a more clear manner.
- a) Antegrade Pyelography  
c) X-ray of KUB
- b) Computed tomography  
d) All of these
- (xi) Which is not a form of ANCA? Select the correct option.
- a) PR3-ANCA  
c) GMB-ANCA
- b) MPO-ANCA  
d) pANCA
- (xii) Name the disease caused by the long use of Aristolochic acid.
- a) Balkan Nephropathy  
c) Renovascular nephropathy
- b) Interstitial nephropathy  
d) All of these
- (xiii) Select the V wave of jugular venous pulses is produced due to:
- a) Atrial systole preceding tricuspid valve closure  
c) Closure of tricuspid valve
- b) Descent of the tricuspid valve ring  
d) Passive filing of atrium during ventricular systole
- (xiv) An infant with failure to thrive, hypertension, metabolic alkalosis and hyperkalemia presents to a clinician. Most probable cause is
- a) Liddle's syndrome  
c) Gittelman's syndrome
- b) Bartter's syndrome  
d) Gordon syndrome
- (xv) All are features of Bartter syndrome except
- a) Hypokalaemia  
c) Hypocalciuria
- b) Metabolic Alkalosis  
d) Salt wasting

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### Group-B

(Short Answer Type Questions)

3 x 5=15

2. Write a short note on Wilm's tumour? (3)
3. Write a short note on Ureterocele? (3)
4. Write a short note on Renal sinus? (3)
5. Write a short note on Captopril Challenge Test. (3)
6. Write a short note on Morri's parallelogram? (3)

OR

- Write a short note on Cullen's sign? (3)

### Group-C

(Long Answer Type Questions)

5 x 6=30

7. Describe the Sphincters of Urethra with a clearly labelled diagram. (5)
8. Describe the activation pathway of the Renin-Angiotensin-Aldosterone System (RAAS) and explain its role in blood pressure regulation. (5)
9. Describe the pathophysiological mechanisms of minimal change disease (MCD) and its clinical presentation. (5)
10. A 28 years old female patient is complaining of pain during intercourse which have become one of the major issue for anxiety. On further enquiry, an occasional urinary incontinence is encountered. During PV examination an enlargement or protrusion or growth is encountered. What will be the provisional diagnosis? Explain how will you going to confirm the diagnosis? Is there any complications during pregnancy one can experienced? (5)
11. Prepare a flowchart to establish the relationship between Smoking & Renal Artery Stenosis. (5)

12. A 52 years old male patient is suffering from pain & heaviness in hypogastrium, obstructed (5) feeling during micturition & lumbago. What will be the provisional diagnosis? How will you going to differentiate between the probable pathologies?

OR

Explain the condition having characteristic 'Cobra Head' Sign. Write the complication of the (5) same?

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