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Assignment # CRP and CP  
Date  
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Q No: 1

Ans :: IV Contrast Agent

- Water soluble
- Heat, Chemical, Storage, Stability.
- Non-Antigenic
- Available at the right viscosity and density.
- Low viscosity making them easy to administer.
- Presented enough in the area of interest to allow for visualization.
- Selective excretion by the patient when the examination is complete.
- Same osmolality as plasma or lower.
- Non-toxic both locally and systemically.
- Low cost.



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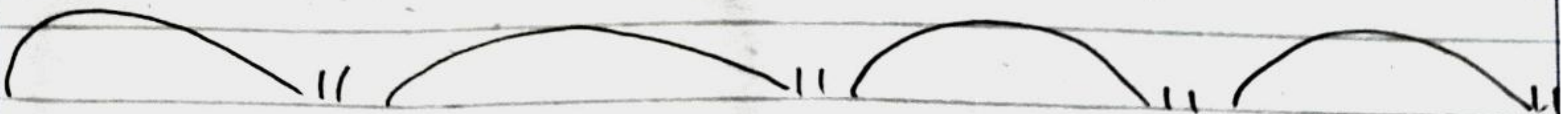
Q No # 2

Ans :: Venography :

Venography also called phlebography or ascending phlebography is a procedure in which an X-ray of the vein, a venogram is taken after a special dye is injected into bone marrow or vein. The dye has to be injected constantly via a catheter making it an invasive procedure.

Normally a catheter is inserted by groin and moved to the appropriate site by navigating through the vascular system.

Venography is also used to distinguish blood clot from obstruction in the vein.



Q No # 3

Ans :: Loopogram :

A Loopogram is a radiographic



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exam that will vesetize  
the loop of bowel that  
has been surgically  
connected to the substitute  
to your Urinary bladder-

Q No#4 ::

Ans :: FLUOROSCOPY Procedure:-

During a fluoroscopy procedure  
an x-ray beam is passed  
through the body. The  
Image is transmitted to a  
monitor. So the movement  
of the body part or contrast  
agent x-ray dye through  
the body can be seen  
in detail-

Q#5

Ans # Catheter & Guidewires:-

A Catheter is a thin  
tube. Catheter are medical  
device that can be  
inserted in the body to



(4)

To treat a disease or perform surgical procedure - Catheter can be used inserted into a body cavity, ducts or vessels -

Urinary Catheter are used to drain the bladder

If you have Urinary incontinence (leaking urine) or unable to control urine when you urinate) i.e. empty your bladder when you need.

## Types of Catheter:

There are three main types of catheter

- ① Indwelling Catheter (Urethral or suprapubic catheter)  
An indwelling catheter is a catheter that resides in bladder.
- ② External Catheter (Londom-C)
- ③ Short-term Catheter (intermittent catheter)



## Guide Wire ::

A device used to enter tight spaces obstructed valves or channels within the body or assist in inserting a catheter. Guide wire <sup>varies</sup> size, length, stiffness, composition, shape of the tip.

## Types of Guide Wire ::

There are three main types of Guide wire-

- ① Solidcore wire - the central wire is enclosed by a metal spring coil-
- ② Mandrel wire - The outer spring coil is at one end-
- ③ Ribbon wire - The spring coil encase both the core wire and ribbon wire-