

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name : Radiography and contrast media

Subject Code : 2SC02RCM1

Branch: PGDMIRT

Semester : 2

Date : 25/04/2018

Time : 10:30 To 01:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q.1 FILL IN THE BLANKS (14)

1. IVP is study of -----
2. FFD for the Chest PA x-ray should be -----
3. -----contrast used for HSG.
4. CR should be at ----- level while taking x-ray elbow AP.
5. Tunnel view is used to demonstrate -----
6. ----- should be CR while taking x-ray PNS.
7. Open mouth view is also taken for spine -----
8. Patient lying face down with chest on the couch is called ----- position.
9. The line which divides the head vertically in to two equal halves is called -----
-line.
10. A mammogram is the radiograph of the ----- tissue.
11. There are -----bones in wrist joint
12. While taking skull towns view tube angle should be
13. Ideal view for ear is
14. Taking x-ray of patella axial view, tube angle should be.....

Attempt any four from Q-2 To Q-8:

Q.2 ANSWER THE FOLLOWING (2X7=14)

1. Write the central ray position while taking x-ray foot AP view. Write names of Tarsal Bones.
2. Describe the position of wrist scaphoid view. Write names of carpal bones.
3. Contrast materials we can enter in the body of patient in different ways. Which are they? give examples.
4. What is meant by Lateral Decubitus? Mostly when we take?
5. How are contrast media classified? Give examples of procedure in which contrast media used.
6. Atomic number of Iodine? In MRI which contrast we use?
7. Describe the words : Anterior, Posterior, Supine, Prone ,AP and PA



- Q.3 ANSWER THE FOLLOWING (14) (4+4+3)
1. Describe x-ray Chest PA (Patient position, instruction, FFD, Exposure factors, Central Ray)
 2. Describe x-ray Abdomen -KUB (Patient position, instruction, FFD, Exposure factors, Central Ray)
 3. Mastoid x-ray (Patient position, instruction, FFD, Exposure factors, Central Ray)
- Q.4 ANSWER THE FOLLOWING (14) (4+4+3)
1. Describe x-ray Lumber spine LAT (Patient position, instruction, FFD, Exposure factors, Central Ray)
 2. Describe x-ray Pelvis AP (Patient position, instruction, FFD, Exposure factors, Central Ray)
 3. Shoulder Axial view x-ray (Patient position, instruction, FFD, Exposure factors, Central Ray)
- Q.5 ANSWER THE FOLLOWING (14) (7+7)
1. Side effects and adverse allergic reactions of Barium, Iodine based contrast and Gadolinium
 2. What is Barium swallow? Describe
- Q.6 ANSWER THE FOLLOWING (14) (7+7)
1. Describe IVP in detail.
 2. Describe HSG in detail.
- Q.7 ANSWER THE FOLLOWING (14) (7+7)
1. Describe Barium meal follow up in detail.
 2. Describe RGU in detail.
- Q.8 ANSWER THE FOLLOWING (14)
- Explain role of radiographer before doing procedure and also mention duties of radiographer before taking patient on the table for x-ray and contrast study.

