# B. Sc. (RADIOLOGY & IMAGING TECHNOLOGY) SEM - IV (CBCS-2019 COURSE): SUMMER – 2022 SUBJECT: PROCEDURES

Day:	Thu	rsday		Time: -
Date:	21-1	07.2022	5-22523-202	22 Max. Marks: 20
N.B.:	4	m Tl		
	1)	There are Three Section $-A = C$	Deficitive Type questions	20 Marks.
			ong Answer Questions	20 Marks.
			hort Answer Questions	20 Marks.
	2)	_		d has to be answered on same sheet.  irst 20 minutes of starting of the
		examination.	•	
	2)		n Section A only will be colle	
	3) 4)		four long questions and <b>ANY</b> six short questions and <b>ANY</b>	
	5)		propriate box below the quest	
Seat N	No.:			
			SECTION - A	
Q.1	N	Iultiple choice (	questions. Choose the single	e best option. $[10 \text{ x } 2 = 20]$
	1) H	lysterosalpingog	raphy study is performed on v	which day of menstrual cycle?
	a) [	1-5		
	b)	6-10		
	c) [	11-15		
	d) [	16-20		
	<b>2</b> ) B	arium swallow p	procedure is performed to eva	luate:
	a) [_	Stomach		
	b)	Oesophagus		
	c) [	Small bowel		
	d)	Large bowel		
	<b>3</b> ) H	ysterosalpingog	raphy procedure is done to ev	aluate which organ/organs?
	a) [	Ureter and ur	inary bladder	
	b) [	Uterine cavity	and fallopian tubes	
	c) [	Urethra and u	rinary bladder	
	d) [	Prostate and u	ırethra	
	<b>4)</b> W	hich one of the	following is a contraindication	n for Barium swallow procedure?
	a) [	Reflux oesopl	nagitis	
	b) [	Stricture form	ation	
	c)	Trachea-esopl	nageal fistula	
	d) [	Esophageal ca	arcinoma	

P.T.O.

5)	Which one of the following is not an absolute contraindication to barium enema procedure?
a)	Toxic megacolon
b)	Volvulus
c)	Pseudomembranous colitis
d)	Paralytic ileus
6)	What is the approximate length of ureters?
a)	20-25 cm
b)	25-30 cm
c)	30-35 cm
d)	35-40 cm
7)	Which one of the following is not a Hepatobiliary contrast agent?
a)	Gd-BOPTA
b)	Mn DPDP
c)	Gadopentetate Dimeglumine
d)	Gd-HIDA
8)	Which one of these is not a contraindication for IVP procedure?
•	·
91)	Hypersensitivity to indinated CM
a) b)	Hypersensitivity to iodinated CM
b)	Trauma
b) c)	Trauma Impaired RFTs
b)	Trauma
b) c)	Trauma Impaired RFTs
<ul><li>b)</li><li>c)</li><li>d)</li></ul>	Trauma Impaired RFTs Pregnancy  Which one of the following is a contraindication to barium meal follow through
b) c) d)	Trauma Impaired RFTs Pregnancy  Which one of the following is a contraindication to barium meal follow through procedure?
b) c) d) 9)	Trauma Impaired RFTs Pregnancy  Which one of the following is a contraindication to barium meal follow through procedure?  Gastrointestinal bleeding
b) c) d) 9) a) b)	Trauma Impaired RFTs Pregnancy  Which one of the following is a contraindication to barium meal follow through procedure?  Gastrointestinal bleeding  Malabsorption
b) c) d) 9) a) b) c) d)	Trauma Impaired RFTs Pregnancy  Which one of the following is a contraindication to barium meal follow through procedure?  Gastrointestinal bleeding  Malabsorption  Complete obstruction  Abdominal mass
b) c) d) 9) a) b) c) d)	Trauma Impaired RFTs Pregnancy  Which one of the following is a contraindication to barium meal follow through procedure? Gastrointestinal bleeding Malabsorption Complete obstruction Abdominal mass  Which one of the following is not a contraindication to barium enema procedure?
b) c) d) 9) a) b) c) d) 10)	Trauma Impaired RFTs Pregnancy  Which one of the following is a contraindication to barium meal follow through procedure? Gastrointestinal bleeding Malabsorption Complete obstruction Abdominal mass  Which one of the following is not a contraindication to barium enema procedure? Allergy to barium suspension
b) c) d) 9) a) b) c) d)	Trauma Impaired RFTs Pregnancy  Which one of the following is a contraindication to barium meal follow through procedure? Gastrointestinal bleeding Malabsorption Complete obstruction Abdominal mass  Which one of the following is not a contraindication to barium enema procedure? Allergy to barium suspension Reduction of intussusception
b) c) d) 9) a) b) c) d) 10)	Trauma Impaired RFTs Pregnancy  Which one of the following is a contraindication to barium meal follow through procedure? Gastrointestinal bleeding Malabsorption Complete obstruction Abdominal mass  Which one of the following is not a contraindication to barium enema procedure? Allergy to barium suspension

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## BACHELOR OF SCIENCE (RADIOLOGY & IMAGING TECHNOLOGY) (CBCS 2019 COURSE)

B.Sc. (R&IM) Sem-IV :SUMMER- 2022 SUBJECT : PROCEDURES

Day: Thursday

Time: 10

Date: 21-07-2022

S-22523-2022

Time: 10:00 AM-12:00 PM

Max. Marks: 40

**N.B.**:

1) There are Three sections as

Section -A = Objective Type questions

20 Marks.

Section -B = Long Answer Questions

20 Marks.

Section -C = Short Answer Questions

20 Marks.

- 2) Section B has four long questions and ANY TWO have to be answered.
- 3) Section C has six short questions and ANY FOUR have to be answered.
- 4) Answer to both sections should be written in same answer book.

#### SECTION - B

### Q.1 Answer ANY TWO out of FOUR questions: $[10 \times 2 = 20]$

- a) Explain the Intravenous pyelography procedure in detail including the indications, contraindications, patient preparation, technique, advantages and disadvantages.
- **b)** Explain the Micturating cystourethrogram procedure in detail including the indications, equipment, contrast used, patient preparation and technique.
- c) Describe in detail about barium meal procedure-indications, contraindications, patient preparation, contrast used, and procedure followed.
- d) Describe in detail about MRI contrast agents.

#### SECTION - C

- Q.1 Answer ANY FOUR out of SIX questions:  $[5 \times 4 = 20]$ 
  - a) Write a short note on Iodinated ionic monomers.
  - **b)** What are the three physiological constrictions in ureter?
  - c) What are the indications for intravenous pyelography procedure?
  - d) Write a short note on low osmolar iodinated contrast medium.
  - e) What are the indications and contraindications of barium enema procedure?
  - **f)** What are the indications of Hysterosalpingography procedure?