

## **BRAINWARE UNIVERSITY**

## **Term End Examination 2020 - 21**

Programme – Bachelor of Science in Medical Radiology & Imaging Technology **Course Name – Clinical Radiography- Positioning Part 1 Course Code - BMRIT303** 

Semester / Year - Semester III

Time allotted: 75 Minutes Full Marks: 60

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Gro	up-A		
(Multiple Ch	oice Type Question)	1 x 60=60	
1. (Answer any Sixty)			
(i) In PA projection of hand, it is			
a) Pronated	b) Supinated		
c) Everted	d) Flexed		
(ii) The forearm should not be X-rayed in P	A position because		
a) It involves rotation of radius	b) It involves rotation of ulna		
c) It involves rotation of elbow	d) Radius and ulna lies parallel		
(iii) In the lateral view of elbow joint it is no	ot advisable to keep the		
a) Arm and forearm in the same place	b) Elbow flexed		
c) Elbow extended	d) Epicondyle superimposed		
(iv) In hand anterior oblique, the vertical ce the	ntral ray is centered over		
a) Head of 5th metacarpal	b) Head of 3rd metac	arpal	
c) Head of 2nd metacarpal	d) Head of 1st metaca	arpal	
(v) Bilateral hand posterior oblique projecti	on is also called	_	
a) Rhese projection	b) Frog projection		
c) Ball catcher projection	d) Stenvers view		

(vi) Which one of the following is best view to bone	demonstrate scaphoid
a) Ulnar deviation	b) Posterior oblique
c) Lateral	d) All of these
(vii) Number of carpal bone present in hand	
a) 7 bone	b) 8 bone
c) 14 bone	d) 33 bone
(viii) In wrist PA projection the vertical centra	l ray is centered at
a) Between 2nd and 3rd carpal	b) Between 2nd and 3rd metacarpal
c) Between radius and styloid process	d) None of these
(ix) There are phalanges in hand	
a) 14	b) 8
c) 15	d) 33
(x) The palm of the hand is formed by the	
a) Carpal bone	b) Metacarpal bone
c) Phalanges	d) Both Metacarpal bone & Phalanges
(xi) Where is the CR location for all lateral has	nd projections?
a) Perpendicular to the third MCP joint	b) Parallel to the second PIP joint
c) Perpendicular to the second MCP joint	d) Parallel to the third DIP joint
(xii) Which projection shows the coronoid pro	cess free of superimposition?
a) AP elbow	b) Medical oblique elbow
c) Lateral oblique elbow	d) AP forearm
(xiii) Which bone is the focus in the PA ulnar wrists?	deviation projection of the

a) Lunate	b) Scaphoid	
c) Pisiform	d) Capitate	
(xiv) In order to better visualize joint space in A	AP view of knee joint the tube is	
angled 5 to 7 degree		
a) Cranially	b) Caudally	
c) Towards medial side	d) Towards lateral side	
(xv) To demonstrate joint space in lateral view to keep the knee	of the knee joint, it is advisable	
a) Flexed to 90°	b) Flexed to 20° to 30°	
c) Extended fully	d) In oblique position	
(xvi) The main constituent of bone is		
a) Calcium and phosphate	b) Magnesium	
c) Carbonate	d) Iron	
(xvii) Skyline view is used for		
a) Talus	b) Scapula	
c) Patella	d) Hip joint	
(xviii) The bicipital groove of humerus can be o	demonstrated in	
a) Axial view of shoulder	b) Tangential projection	
c) PA view of shoulder	d) Lateral view	
(xix) Which view of the shoulder shows the greater tubercle in profile?		
a) External rotation	b) Internal rotation	
c) Neutral	d) Transthoracic	
(xx) The large end of the clavicle is the	end	
a) Lateral	b) Medial	

(xxi) The patient is asked to take some purg examination of LS spine in order to	ative one day before the
a) Clear the bowel	b) To absorb the gases
c) Both of these	d) None of these
(xxii) Which of the lumber and sacral X-ray	views involves a tube tilt of 15°
a) AP lumbopelvic and lateral lumber	b) AP pelvis and 15-S1 spot
c) 15- S1 spot AP	d) Oblique lumber spine
(xxiii) Which of the following are demonstr cervical spine?	ated in the oblique position of the
a) Intervertebral foramina	b) Apophyseal joints
c) Intervertebral joints	d) All of these
(xxiv) In order to demonstrate atlas and axis	s in AP projection, the patient is
a) Breathe normally	b) Close the mouth
c) Open the mouth	d) Move the head side to side
(xxv) The ileum, ischium and pobic are the	parts of
a) Small intestine	b) Hip bone
c) Femur	d) Humerus
(xxvi) The grid is not necessary in making a	radiograph of
a) Lateral pelvis	b) AP lumber spine
c) Lateral cervical spine	d) AP view of pelvis
(xxvii) To demonstrate position for Caldwell	Il in AP projection the central ray is

d) None of these

c) Acromial

directed

a) 15° caudally	b) 25° caudally
c) 25° cranially	d) 30° cranially
(xxviii) In orbit PA axial projection the central	ray is at a
a) $0^{\circ} - 40^{\circ}$ caudal	b) $15^{\circ} - 30^{\circ}$ caudal
c) $20^{\circ} - 25^{\circ}$ caudal	d) $0^{\circ} - 25^{\circ}$ caudal
(xxix) Parieto – orbital oblique projection also	known as
a) Judet projection	b) Lauenstein's projection
c) Waters projection	d) Rhese projection
(xxx) In reverse Towne (PA) projection the cer	ntral ray is at a
a) 30° cephalic	b) 30° cranially
c) Can give both 30° cephalic and 30° cranially projections	d) 15° cephalic
(xxxi) In mandible (AP) oblique projection pro subject tube distance upto to blur the so while the part of the mandible to be radiograph	uperimposed part distal from the
a) 75 cm	b) 65 cm
c) 50 cm	d) 100 cm
(xxxii) The waters method is also known as a_	projection
a) Parietocanthial	b) Parietomental
c) Parietoglabellar	d) Parietonasal
(xxxiii) Which of the following is not a cranial	bone?
a) Vomer	b) Frontal
c) Ethmoid	d) Sphrnoid
(xxxiv) The central ray location for a Towne's	method is

a) 1.5 inches above glabella	b) 2 inches above glabella	
c) 2.5 inches below glabella	d) 2 inches below glabella	
(xxxv) The occipital bone is best demonstrate	d with what skull positions?	
a) Towne's (AP) projection	b) PA projection	
c) SMV	d) Lateral	
(xxxvi) Which view of the nasal bone shows t	the bony nasal septum?	
a) Lateral projection	b) AP projection	
c) Water's projection	d) Oblique projection	
(xxxvii) The beast projection to demonstrate t method	he frontal sinuses is the	
a) Caldwell	b) Towne's	
c) Water's	d) SMV	
(xxxviii) DPT stands for		
a) Digital pantomography	b) Dental panoramic- tomography	
c) Di-pantomography	d) None of these	
(xxxix) Dental radiography consist		
a) Intra-oral radiography	b) Extra-oral radiography	
c) Both Intra-oral radiography and Extra- oral radiography	d) None of these	
(xl) Intraoral films are		
a) Single emulsion	b) Double emulsion	
c) Both Single emulsion & Double emulsion can be used	d) None of these	
<ul> <li>a) Intra-oral radiography</li> <li>c) Both Intra-oral radiography and Extra-oral radiography</li> <li>(xl) Intraoral films are</li> <li>a) Single emulsion</li> <li>c) Both Single emulsion &amp; Double</li> </ul>	d) None of these b) Double emulsion	

(xli) The contrast medium used in bronchography examination is

a) Urografin	b) Dianosil
c) Barium sulphate	d) Osbil
(xlii) Radiological examination of saliva contrast medium is termed as	ry glands and its ducts by means of
	1.) 6'-11
a) Ductography	b) Sialography
c) Sinography	d) Cholelithiasis
(xliii) The specialized radiological examusing an opaque contrast medium is called	
a) Bronchoscopy	b) Bronchography
c) Cystography	d) Urography
(xliv) To decrease the magnification of t focal distance is kept at	he heart in PA view of chest, the film
a) 40 inches	b) 60 inches
c) 72 inches	d) 36 inches
(xlv) Which view is best demonstrate the sternum?	e radiographic examination of the
a) PA	b) AP
c) Lateral	d) LAO or RAO
(xlvi) Most common view used during c	hest X-ray
a) AP view	b) Supine AP view
c) PA view (erect)	d) Lateral view
(xlvii) Which of the following would be cavity?	st demonstrate fluid in the right pleural
a) Left lateral decubitus	b) Right lateral devubitus
c) Ventral decubitus	d) Dorsal decubitus
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(xlviii) The patients chin should be elevated du	ring chest radiography to	
a) Avoid superimposition on the apices b) Keep midsagital plane parallel		
c) To reduce patient motion	d) To reduce patient dose	
(xlix) Series of X-rays in acute abdomen neede	ed are	
a) Abdomen AP supine	b) Abdomen AP erects	
c) Lateral decubitus and chest PA view including uooer abdomen	d) All of these	
(l) Where is central ray located for an urinary b	ladder projection?	
a) Lower border 2 cm below the public symphysis	b) Lower border 5 cm below the P. symphysis	
c) Lower border 2 inches above the P. symphysis	d) Lower border 5 inches above the P. symphysis	
(li) Aspirated foreign bodies in older children a lodge in the	and adults are most likely to	
a) Right main bronchus	b) Left main bronchus	
c) Oesophagus	d) G-junction	
(lii) Where is CR location for an urinary bladde	er projection?	
a) Lower border 2 cm below the public symphysis	b) Lower border 5 cm below the public symphysis	
c) Lower border 2 inches above the public symphysis	d) Lower border 5 inches above the public stmphysis	
(liii) Radiographer has got the following respon	nsibilities	
a) Clinical responsibilities	b) Ethical responsibilities	
c) Legal responsibilities	d) All of these	
(liv) Legal responsibilities of the radiographer	are	

<ul> <li>a) Not to disclose any information about the patient</li> </ul>	e b) Always have a female attendant at the time of female patient
c) Always have emergency drugs	d) All of these
(lv) Radiation dose to the staff is more during n	nobile/bedside radiography
<ul><li>a) Patient require support during radiography</li></ul>	b) Radiographer has to stand close to the source of the exposure
c) Difficulty in limiting the beam strictly	d) All of these
(lvi) Which of the following devices does not h dose?	elp in reduction of the patient
a) Grid	b) Collimator
c) Gonad shield	d) Reduce thickness of part
(lvii) Lead apron should be	
a) Keep clean (no stain of contrast agent)	b) Periodically check fluoroscopically for any crack/defect
c) Should not be left hanging partially over the edge of the chair-seat/doubled up on the shelf	
(lviii) The function of lead apron is to protect th	ne personnel from
a) Natural radiation	b) Remnant radiation
c) Primary radiation	d) Scattered radiation
(lix) The TLD/film badge be worn	
a) Under the lead apron at collar level	b) Outside the lead apron at collar level
c) Under the lead apron at waist level	d) Over the lead apron at waist level
(lx) Filtration of the tube is measured in terms of	of
a) mm of iron	b) mm of aluminium
c) mm of lead	d) mm of carbon