

**B.Sc. MEDICAL TECHNOLOGY (RADIOGRAPHY & IMAGING) (BRIT)**  
**SEMESTER -V SPECIAL EXAMINATION, NOVEMBER-2025**

**PAPER – I : REGIONAL RADIOGRAPHY-I**

[Time allotted: Three Hours]

[Max Marks: 100]

**Note:** Read all the instructions carefully

Answer all questions in serial order, Draw suitable diagrams wherever necessary

**Q. 1. Objective type questions: (Attempt All)****(10 x 02 = 20)**

(Very short/ Short answer/ MCQ/ One liners/ Fill in the blanks/ True/False)

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>a.</b> Which gland is housed within the sella turcica? PO1 CO1</p> <p><b>i.</b> Sebaceous gland</p> <p><b>ii.</b> Sphenoid gland</p> <p><b>iii.</b> Adrenal gland</p> <p><b>iv.</b> Pituitary gland</p> <p><b>b.</b> The Occipital condyles help to form what joint? PO4 CO2</p> <p><b>i.</b> Atlanto-occipital joint</p> <p><b>ii.</b> Axio-occipital joint</p> <p><b>iii.</b> Atlanto-axial joint</p> <p><b>iv.</b> Axio-atlanto joint</p> <p><b>c.</b> X-ray film boxes should be stored in the position: PO2CO2</p> <p><b>i.</b> Upright</p> <p><b>ii.</b> Flat one upon another</p> <p><b>iii.</b> Hanging</p> <p><b>iv.</b> Tilted</p> <p><b>d.</b> Distance of chest X -ray in ward mobile radiography: PO4 CO3</p> <p><b>i.</b> 100 cm</p> <p><b>ii.</b> 180 cm</p> <p><b>iii.</b> 45 cm</p> <p><b>iv.</b> 200 cm</p> <p><b>e.</b> What is another name for the skull cap? PO2 CO1</p> <p><b>i.</b> Craniocapitulum</p> <p><b>ii.</b> Calaveras</p> <p><b>iii.</b> Calvarium</p> <p><b>iv.</b> Cranium</p> | <p><b>f.</b> Water's projection is useful for evaluating: PO2 CO2</p> <p><b>i.</b> Frontal sinus</p> <p><b>ii.</b> Maxillary sinus</p> <p><b>iii.</b> Ethmoid sinus</p> <p><b>iv.</b> All of the above</p> <p><b>g.</b> -----bones make up the cranium, and ____ bones make up the face. PO2 CO2</p> <p><b>i.</b> 7 cranial, 14 facial</p> <p><b>ii.</b> 8 cranial, 14 facial</p> <p><b>iii.</b> 7 cranial, 12 facial</p> <p><b>iv.</b> 8 cranial, 12 facial</p> <p><b>h.</b> Which of the following is not a paired facial bone? PO2 CO1</p> <p><b>i.</b> Vomer</p> <p><b>ii.</b> Zygoma</p> <p><b>iii.</b> Lacrimal</p> <p><b>iv.</b> Maxilla</p> <p><b>i.</b> Dental radiography film is used with: PO4 CO3</p> <p><b>i.</b> Without screen</p> <p><b>ii.</b> Single screen</p> <p><b>iii.</b> Double screen</p> <p><b>iv.</b> All type</p> <p><b>j.</b> Cephalogram done in which position: PO4 CO2</p> <p><b>i.</b> Erect &amp; Lateral</p> <p><b>ii.</b> Supine</p> <p><b>iii.</b> Prone</p> <p><b>iv.</b> Recumbent</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**Q. 2. Short notes/ Short answer type questions (Attempt any Five)****(05 x 04 = 20)**

- |                           |         |
|---------------------------|---------|
| <b>a.</b> Facial bones    | PO2 CO2 |
| <b>b.</b> Cranium         | PO4 CO3 |
| <b>c.</b> Cephalogram     | PO4 CO3 |
| <b>d.</b> EAM             | PO1 CO3 |
| <b>e.</b> Fawler's method | PO2 CO3 |
| <b>f.</b> SID             | PO2 CO3 |
| <b>g.</b> Lead Apron      | PO4 CO3 |

**Q. 3. Structured questions (Attempt any Three)****(03 x 10 = 30)**

- |                                                                                                      |         |
|------------------------------------------------------------------------------------------------------|---------|
| <b>a.</b> What is requisition form and write their use in Radiological examination.                  | PO4 CO3 |
| <b>b.</b> What are the responsibilities of Radiographer to prepare a patient for MRI investigations? | PO4 CO1 |
| <b>c.</b> What are the indications of X-ray OPG?                                                     | PO4 CO2 |
| <b>d.</b> What are the precautions taken while working in the radiation area?                        | PO2 CO3 |

**Q. 4. Long Answer/ Essay type questions (Attempt any Two)****(02 x 15 = 30)**

- |                                                                                            |         |
|--------------------------------------------------------------------------------------------|---------|
| <b>a.</b> What is mammography? Write any two view of mammography with evaluation criteria? | PO2 CO3 |
| <b>b.</b> Describe the lateral view of soft tissue Nasopharynx with evaluation criteria.   | PO4 CO1 |
| <b>c.</b> How would you do the X-ray skull lateral of traumatic patient?                   | PO4 CO2 |