

Roll No.

Total No. of Pages : 02

Total No. of Questions : 11

B.Sc. (Radiology & Imaging Technology) (Sem.-1)

**RADIOGRAPHIC PHOTOGRAPHY-I**

Subject Code : BRIT-103-21

M.Code : 91365

Date of Examination : 19-05-2023

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of EIGHT questions carrying TWO marks each.
2. SECTION-B contains EIGHT questions carrying FOUR marks each and students have to attempt any SIX questions.
3. SECTION-C is COMPULSORY contains TWO questions carrying TEN marks each.

**SECTION-A**

1. Write briefly :

- a) Define sensitometry.
- b) What is the significance of intensifying screens?
- c) Write the importance of light sensitive photographic materials.
- d) Define shelf life.
- e) What is the importance of loading and unloading of cassettes?
- f) Which types of fixers are used in automatic processes?
- g) Write about the constitution of fixing solutions.
- h) Define resolving power of intensifying screens.

**SECTION-B**

2. Discuss in detail about construction of intensifying screens.

3. Discuss about the different types of emulsion films.
4. Write in detail about the development of manual film processing.
5. Describe the different methods of drying films.
6. Discuss the role of fixing solution in film processing.
7. Explain in brief about photographic emulsions.
8. Explain in detail about different types of cassettes.
9. Write about the properties of constituents used in film processing.

### SECTION-C

10. Elaborate in the detail about photographic processes.

**OR**

Explain in detail about care and maintenance of cassettes.

11. Define film processing and different types of methods involved in processing.

**OR**

Discuss in detail about constitution of developing solution using automatic processing with its properties.

**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**