

### SECTION-B

**Note:** Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)

- Q.11 Describe about light sensitive photographic material
- Q.12 Elaborate graininess of film material.
- Q.13 Interpret the term Spectral Sensitivity
- Q.14 Discuss about different types of photographic emulsions.
- Q.15 Discuss the constitution of developing solutions both in manual and automatic processing.
- Q.16 Explain the process of formation of radiographic image.
- Q.17 Discuss about loading and unloading of cassettes.
- Q.18 Distinguish between transmitted and emitted light images.

### SECTION-C

**Note:** Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 Explain the lay out and planning of dark room. list the requirements to be fulfilled for construction of dark room.
- Q.20 Discuss the properties of developing chemicals, development time, factors in the use a developer, developer activity in film precessing.

No. of Printed Pages : 2

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DVOC / Level 5

Sem - II / (Medical Image Technology)

Subject : Basic Imaging

Time : 2 Hrs.

M.M. : 50

### SECTION-A

**Note:** Very short answer type questions . Attempt all ten question (10x1=10)

- Q.1 Name the image produced by radiation.
- Q.2 Define real and mental images.
- Q.3 Tell the types of films used in X-rays
- Q.4 Name the types of cassettes.
- Q.5 Give the name of the different types of intensifying screens.
- Q.6 Define Photographic density.
- Q.7 Give definition of Quantum mottle .
- Q.8 Differentiate between cine cameras and serial cameras.
- Q.9 Define photo fluorography.
- Q.10 Define sensitometry.