

SECTION-B

Note: Short answer type questions. Attempt any six questions out of Eight questions. $(6 \times 5 = 30)$

- 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. $(10 \times 1 = 10)$

- 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.

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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 $(10 \times 1 = 10)$

- 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.