

## **SECTION-B**

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

- Q.11 How you identify 2-terminal SMD component?
- Q.12 Why medical service is required during fabrication?
- Q.13 What are the applications of PCB?
- Q.14 Write the process to solder the SMD components on PCB.
- Q.15 Write various safety precautions used during soldering.
- Q.16 Describe the initial setting of SMD soldering station for De-soldering of various ICs.
- Q.17 Describe the features of SMD components.
- Q.18 Describe the function of clamping tools in De-soldering process

## **SECTION-C**

**Note:** Long answer type questions. Attempt any one questions out of two questions.  $(10 \times 1 = 10)$

- Q.19 Describe various component and minimum requirements of an emergency action plan.
- Q.20 Describe in detail various processes involved in SMD soldering of ICs.

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Roll No. ....

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**Level-5 Sem. II / DVOC- (Medical Image Tech.)**

**Subject : Soldering and De-Soldering components and emergency actions**

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

**Note:** Very short answer questions. Attempt all ten questions.  $(10 \times 1 = 10)$

- Q.1 What is the full form of SMD.
- Q.2 What is the function of temperature in soldering station.
- Q.3 What is the use of SMD Soldering Station.
- Q.4 What is the role of fire alarm.
- Q.5 What is the proper location of fire extinguishers.
- Q.6 What is the use of Clamping tool.
- Q.7 Write any one application of panel board.
- Q.8 Write the name of any one SMD components.
- Q.9 Expand PCB.
- Q.10 Write the name of any one main component of soldering station.