

## **SECTION-B**

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

- Q.11 Differentiate between hot and cold soldering.  
Q.12 What are the specification of soldering iron?  
Q.13 What are the benefits of SMD components?  
Q.14 What are precautions taken during soldering?  
Q.15 Explain different types of PCB in brief.  
Q.16 What are properties of a flux?  
Q.17 How we check broken track on PCB? How can we prepare it?  
Q.18 List any four basic components used on PCB. Explain in brief.

## **SECTION-C**

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

- Q.19 Explain different soldering method in detail with diagram.  
Q.20 Explain:  
a) Soldering tools  
b) Application of SMD'S

No. of Printed Pages : 2

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188554

**Level 5, 1st Sem. / DVOC (Medical Imaging Tech.)**

**Subject : Soldering & De-soldering Components-I**

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

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

- Q.1 Define soldering?  
Q.2 Name any two type of soldering gun.  
Q.3 Which materials are used to make a solder wire?  
Q.4 Expand SMD.  
Q.5 What is tinning?  
Q.6 What is the function of De-soldering pump?  
Q.7 Why we use flux in soldering process?  
Q.8 Which instrument is used to check broken track on PCB?  
Q.9 Expand PCB.  
Q.10 What is the use of jumper wire on PCB?