

## **SECTION-B**

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

- Q.11 Define PCB, solder, flux and cleaners.
- Q.12 Write the short note on soldering Gun Vs soldering Iron.
- Q.13 Draw the diagram of good solder joint and write its characteristics?
- Q.14 Write the order for the installation of various components on PCB ?
- Q.15 Write the general safety precautions during soldering ?
- Q.16 What are the preventive measures of Dry Solder Joints?
- Q.17 Describe the fire prevention and general housekeeping rules during soldering.
- Q.18 Define de-soldering. write the procedure of using de-soldering pump.

## **SECTION-C**

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

- Q.19 What are the common PCB soldering problems that needs be avoided ? What should be to done to avoid soldering problems ?
- Q.20 Write short notes on :
- Introduction to SMD components.
  - PPE

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Roll No. ....

DVOC ( Level 4 )

Sem 1st / Ref & Air Cond.

Subject : Soldering & De-soldering of Components- I

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

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

- Q.1 What is PCB track?
- Q.2 Define soldering?
- Q.3 What is the purpose of sponge ?
- Q.4 Approximately how many number of gates are incorporated in SSI ?
- Q.5 What is de-soldering wick ?
- Q.6 Define brazing ?
- Q.7 What does 60-40 means for solder?
- Q.8 What does solder flux do ?
- Q.9 Write any one application of PCB.
- Q.10 Name any two medical services required in PCB soldering section.