

### SECTION-B

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

- Q.11 Write the benefits of choosing right soldering station?
- Q.12 What steps are involved in surface mount soldering process.
- Q.13 What do you mean by conformal coating?
- Q.14 What are different types of SMT capacitors?
- Q.15 Write safety precautions while soldering and desoldering.?
- Q.16 Explain with diagram the primary and secondary evacuation routes in an assembly area.
- Q.17 Write short notes on medical services.
- Q.18 List various assembly points.

### SECTION-C

**Note:** Long answer questions. Attempt any one questions out of two questions. (1x10=10)

- Q.19 Explain the steps involved in SMT soldering process.
- Q.20 Write short notes on any two:
- Reliable soldering practices.
  - Fire extinguishers.
  - Panel board.

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Roll No. ....

**1st Sem, Level 5 / DVOC ( Ref. & Air Cond.,  
Medical Imaging Tech.)**

**Subject : Soldering & De-soldering  
components & Emergency actions**

Time : 2 Hrs.

M.M. : 50

### SECTION-A

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

- Q.1 SMD resistor marked 39R9 has the resistance value of \_\_\_\_\_.
- Q.2 What solvent is used for cleaning of a PCB.
- Q.3 What are SMD components?
- Q.4 What is the use of wet sponge at soldering station?
- Q.5 What is the use of magnifying tools?
- Q.6 What is cold solder joint?
- Q.7 Expand PCB.
- Q.8 What is the purpose of Fire alarm pull stations?
- Q.9 Name any two emergencies.
- Q.10 EAP stands for \_\_\_\_\_