SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

Q.19 What are the basic requirements for the SMD soldering? Also, write the procedure for identification of various components for the SMD soldering.

Q.20 Write short notes on any two:

a) Location of fire extinguishers.

b) Primary and secondary evacuation routes

c) De-soldering and de-soldering station

No. of Printed Pages : 4
Roll No. .....

188454

DVOC (Level 5) Sem 1st /Trade :
(Ref.&Air Cond., Medical Imaging Tech.)
Subject : Soldering & De-Soldering Components & Emergency actions

Time : 2 Hrs. M.M. : 50

SECTION-A

Note: Very short answer type questions . Attempt all ten question (10x1=10)

Q.1 SMD stands for

a) Small material diameter

b) Small medium design

c) Small medium device

d) Surface mount device

Q.2 SSI chip incorporates approximately_____ number of gates.

a) 12 b) 100

c) Excess of 100 d) Excess of 1000

Q.3 DIP stands for

a) Direct in-line package

b) Door in-line package

c) Dual in-line package

d) Direct indirect package

Q.4 Heat for soldering process is supplied by_____.

a) Soldering iron

b) Induction furnace

c) Electric resistance method

d) Any of the above

Q.5 The least important reason to have a fire prevention plan (FPP) is to_____.

a) Prevent loss of life

b) Comply with OSHA

c) Prevent Loss of Property by Fire

d) Eliminate the causes of Fire

Q.6 Disaster management plan was launched by ministry of Home affair in year_____.

Q.7 EAP stands for_____.

Q.8 How many Available Evacuation Warden is considered adequate during work hours.

Q.9 Control of temperature is not/less precise in _____ soldering of SMT.

Q.10 Write the basic advantage of using SMT.

SECTION-B

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

Q.11 Describe the identification of 2, 3, 4 terminal SMD components.

Q.12 Define soldering process. Describe the different parts of a soldering iron.

Q.13 What is flux? What are different types of flux? Also, write the main purpose of flux.

Q.14 Explain with suitable diagrams, the different configurations for soldering.

Q.15 Write the requirements for making a panel board using different types of switches.

Q.16 What are the different methods of reporting emergencies?

Q.17 What do you mean by emergency exit. What are the suitable locations for emergency exit?

Q.18 Write the common instructions for Fire emergency?