SECTION-C

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

Q.19 What is dry solder joint? How to identify Dry Solder Joints? What are the effects of Dry Solder Joints?

Q.20 Write short notes on:

(I) Preparing component for soldering.

(II) SMD components.

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(Level 4) Sem.1st / DVOC (Ref & Air Cond)
Subject : Soldering & Desoldering of Components-I

Time : 2 Hrs. M.M. : 50

SECTION-A

Note: Multiple choice Questions. All questions are compulsory. (10x1=10)

Q.1 PCB stands for

a) Parallel circuit board

b) Process Circuit board

c) Printed circuit board

d) None of these

Q.2 Why soldering is done on joint_____.

a) To improve Conductivity

b) To improve Bonding Strength

c) To improve Ductility

d) To improve Tensile Strength

Q.3 A substance used to dissolve oxides on the surface of conductor using the soldering process is called as.

a) solder b) soldering bit

c) bonding agent d) soldering flux

Q.4 Soldering irons are made of copper because it is

a) Heavy

b) Bad conductor of heat

c) Good conductor of heat

d) Thermal expansion is more

Q.5 Solder which is used for joining metal pieces is an alloy of

a) Tin and lead b) Zinc and lead

c) Tin and Zinc d) None of these

Q.6 What is loose solder?

Q.7 A description of the .....system to be used to notify employees to evacuate and/or take other actions.

Q.8 Write the prime use of flux in soldering.

Q.9 What is the strongest type of solder?

Q.10 Solder material grading.

SECTION-B

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

Q.11 Describe the procedure for assembly of components in plated through holes PCB.

Q.12 What do you mean by cold continuity of PCB? How will you check it?

Q.13 Describe the types of joint design for soldering.

Q.14 Differentiate between good soldering and bad soldering.

Q.15 What is the importance of wattage in selection of soldering iron?

Q.16 Write the precautions during repairing of broken track.

Q.17 Write the applications of PCB

Q.18 Define tinning and explain its methods.