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Answer Key

Duration: 30 Mins

Total Marks: 28

Q.ID: ITISKILL1665S3

1. Which type of soldering is used for electronic circuit?

- A) Hard soldering B) Hot soldering
C) Brazing D) Soft soldering

Answer: D) Soft soldering

2. What is the effect of shaking the soldered joint while cooling?

- A) It disturbs the chemical bonding take place B) Flux will not dissolve
C) It will corrode the joint D) It results in oxidation of solder

Answer: A) It disturbs the chemical bonding take place

3. What is the purpose of flux in soldering electronic circuit components?

- A) Increase the melting temperature of solder B) Dissolve the oxide layer on the metal surface
C) Form the oxide layer D) Reduce the solder cooling time

Answer: B) Dissolve the oxide layer on the metal surface

4. How many types of soldering is used for joining metal surfaces?

- A) Five B) Three
C) Four D) Two

Answer: D) Two

5. What is the additional advantage of rosin flux used for soldering electronic components?

- A) Inorganic acid in nature B) It is a chemical paste
C) It is non-conductive D) It is good conductor

Answer: C) It is non-conductive

6. What is the defect on the soldered joint, if it is cooled by blowing air?

- A) Dull grainy surface B) Pits and voids
C) Poor wetting D) Dry solder joint

Answer: D) Dry solder joint

7. Why the plunger desoldering tool needs periodical cleaning?

- A) To help the joint to be soldered B) To melt the solder quickly
C) To prevent clogging of the nozzle D) To remove the flux collected in chamber

Answer: C) To prevent clogging of the nozzle

8. What is the name of flux used for soldering electronic components?

- A) Rosin B) Organic acid
C) Mild acid D) Resin

Answer: A) Rosin

9. How the thick layers of oxide is removed before doing the soldering activity?

- A) Clean normally B) Use abrasive method
C) Use Isopropyl Alcohol D) Apply flux

Answer: B) Use abrasive method

10. Which step is important for soldering a joint?

- A) Pasting the joint B) Cleaning the joint
C) Heating the joint D) Cooling the joint

Answer: C) Heating the joint

11. When does the rosin flux melts in a soldering process?

- A) When the solder is heated B) During the solder is melting
C) When the solder is melting D) After the solder melts

Answer: A) When the solder is heated

12. How the flux residue is removed after soldering a joint?

- A) Organic flux B) Petrol
C) Isopropyl alcohol D) Water

Answer: C) Isopropyl alcohol

13. Why the solvent Iso Propyl Alcohol (IPA) is used on the solder joint?

- A) To break down the acid within the joint B) Cleaning before soldering the joint
C) Remove residual flux and prevent corrosion D) To help the corrosive action

Answer: C) Remove residual flux and prevent corrosion

14. How is the soldering method used for joining large metal called?

- A) Brazing B) Soft soldering
C) Welding D) Hot soldering

Answer: A) Brazing

15. What is the full of the abbreviation DPDT used in switches?

- A) Double Pole Double Throw B) Direct Pole Double Throw
C) Double Pole Direct Throw D) Dual Phase Dual Throw

Answer: A) Double Pole Double Throw

16. What is the effect of over heating on soldering a joint?

- A) Poor wetting B) Dull grainy surface
C) Cold joint D) Flux trapped against lead

Answer: B) Dull grainy surface

17. Which ratio of tin-lead combination is used for electronic component soldering work?

- A) 40:60 B) 63:37:00
C) 60:40:00 D) 20:40

Answer: C) 60:40:00

18. What is the result of forced air is blown to cool the joint while soldering?

- A) Results in dry brittle joint B) Joint becomes mechanically stronger
C) Solder setting very slowly D) Disturbs the chemical bonding

Answer: A) Results in dry brittle joint

19. Which soldering instrument has hot air blowing facility?

- A) Soldering iron B) Temperature controlled soldering iron
C) Wave soldering machine D) Soldering station

Answer: D) Soldering station

20. Which bonding material is used for soldering a joint?

- A) Oil B) Flux
C) Acid D) Grease

Answer: B) Flux

21. What is the full form of the abbreviation SPDT used in switches?

- A) Single Pole Double Throw B) Single Phase Dual Throw
C) Shared Pole Double Throw D) Single Pole Single Throw

Answer: A) Single Pole Double Throw

22. What is the name of defect if the flux is unable to remove the tarnish from the soldered joint?

- A) Poor wetting B) Cold joint
C) Dull gravity surface D) Pits and voids

Answer: B) Cold joint

23. Which gauge number of rosin-cored solder is suitable for soldering medium sized joints?

- A) 18 gauge rosin cored B) 16 gauge rosin cored
C) 22 gauge rosin cored D) 24 gauge rosin cored

Answer: A) 18 gauge rosin cored

24. What is produced by the power supply connected soldering iron?

- A) Water vapour B) Fire
C) Cool air D) Heat

Answer: D) Heat

25. How much time is required to make a quality soldered joint using soldering iron?

- A) 15 - 20 seconds B) 3 - 7 seconds
C) 10 - 15 seconds D) 7 - 10 seconds

Answer: B) 3 - 7 seconds

26. What is the range of temperature used in soldering station?

- A) 600 Degree Centigrade to 800 Degree Centigrade B) 450 Degree Centigrade to 600 Degree Centigrade
C) 800 Degree Centigrade to 1000 Degree Centigrade D) 150 Degree Centigrade to 450 Degree Centigrade

Answer: D) 150 Degree Centigrade to 450 Degree Centigrade

27. Which tool works on the principle of air suction?

- A) Soldering wick B) Desoldering pump
C) Soldering iron D) Desoldering braid

Answer: B) Desoldering pump

28. At which temperature the 6040 solder start meeting?

- A) 200 Degree Centigrade B) 380 Degree Centigrade
C) 100 Degree Centigrade D) 300 Degree Centigrade

Answer: A) 200 Degree Centigrade