

PHASE I

OBJECTIVE TYPE TEST FOR THE POST OF FABRICATION ASSISTANT (WELDER)

ON CONTRACT BASIS FOR CKSRU

PART A

1. What term describes the global outbreak of the COVID-19 virus that has affected millions worldwide?

- a) Epidemic
- b) Outbreak
- c) Pandemic
- d) Contagion

2. Which country is home to the famous “leaning tower” ?

- a) Italy
- b) France
- c) United States of America
- d) India

3. Who among the following is the author of the epic Ramayana?

- a) Adi Shankaracharya
- b) Kalidas
- c) Ved Vyas
- d) Valmiki

4. Which city hosted the most recent Summer Olympic Games in 2021?

- a) Beijing
- b) Tokyo
- c) London
- d) Rio de Janeiro

5. The members of the Rajya Sabha are elected by

- a) The people
- b) Lok Sabha
- c) Elected members of the legislative assembly
- d) Elected members of the legislative council

6. The Melghat Tiger reserve is in

- a) Assam
- b) Maharashtra
- c) Karnataka
- d) Orissa

7. The position of Finance Minister in the current Cabinet of PM Narendra Modi is occupied by which of the following politicians?

- a) Amit Shah
- b) Rajnath Singh
- c) Nirmala Sitharaman
- d) Nitin Gadkari

8. Which Indian corporation owns the luxury car brands Jaguar and Land Rover?

- a) Tata Motors
- b) Mahindra & Mahindra
- c) Bajaj Auto
- d) TVS Motors

9. Who was the first Indian citizen to win an Academy Award (Oscar)?

- a) Adoor Gopalakrishnan
- b) Satyajit Ray
- c) A R Rahman
- d) Aamir Khan

10. Which of the following is used as a lubricant

- a) Graphite
- b) Silica
- c) Iron Oxide
- d) Diamond

PART B

11. What is the term for the area where two pieces of metal are joined together by the welding process?

- a) Fusion zone
- b) Heat-affected zone
- c) Weld pool
- d) Weld bead

12. Which gas is commonly used for shielding in MIG (Metal Inert Gas) welding?

- a) Oxygen
- b) Carbon dioxide
- c) Argon
- d) Hydrogen

13. Double-U and Double-V butt welds are generally used for plate thickness?

- a) 1-5 mm

- b) 5-10 mm
- c) 10-15 mm
- d) Over 15 mm

14. In welding, what does the term "preheating" refer to?

- a) Heating the workpiece before welding
- b) Heating the filler material
- c) Cooling the workpiece after welding
- d) Heating the welding electrode

15. Which Welding Process uses Non-Consumable Electrode.

- a) Shielded Metal Arc Welding (SMAW)
- b) Gas Metal Arc Welding (GMAW)
- c) Submerged Arc Welding (SAW)
- d) Gas Tungsten Arc Welding (GTAW)

16. What type of welding defect is characterized by small, irregularly shaped holes or cavities in the weld metal?

- a) Porosity
- b) Undercutting
- c) Inclusion
- d) Cracking

17. Which welding process is commonly used for welding aluminum alloys?

- a) Gas welding
- b) Stick welding

c) TIG welding

d) Flux-cored arc welding

18. What does the term "welding polarity" refer to?

a) The temperature of the welding arc

b) The direction of the welding current flow

c) The type of welding electrode used

d) The type of shielding gas used

19. In arc welding, the three factors to be controlled to obtain satisfactory weld are?

a) Current, Voltage and Arc Length

b) Current, Arc Length and Speed of travel

c) Current, Voltage and Speed of travel

d) Voltage, Arc Length and Speed of travel

20. Stress relieving is done on what kind of jobs?

a) rivetted joint

b) weld joint

c) soldering joint

d) brazed joint

21. WPS stands for?

a) Welding Procedure Specification

b) Welding Practice Standard

c) Welding Procedure Standard

d) Welding Process Sequence

22. Which of the following material has the maximum ductility ?

- a) Copper
- b) Aluminium
- c) Mild Steel
- d) Lead

23. What is the purpose of providing root gap?

- a) To enhance the appearance of the weld
- b) To prevent overheating of the base metal
- c) To allow for proper penetration of the weld bead
- d) To reduce the formation of welding defects

24. Which type of transformer is commonly used in arc welding?

- a) Step-up transformer
- b) Step-down transformer
- c) Isolation transformer
- d) Auto-transformer

25. What is DCEP in Welding process

- a) Direct Current Electrode Positive
- b) Direct Current Electric Positive
- c) Direct Current Electron Positive
- d) Direct Current End Positive

26. What does the term "weaving" refer to in welding?

- a) Adding filler metal to the weld joint
- b) Oscillating the welding arc and electrode across the weld joint
- c) Inspecting the weld joint for defects
- d) Preparing the base metal for welding

27. Which welding process uses a consumable electrode consisting of a flux-covered metal wire?

- a) Gas metal arc welding (GMAW)
- b) Gas tungsten arc welding (GTAW)
- c) Flux-cored arc welding (FCAW)
- d) Shielded metal arc welding (SMAW)

28. Which flame is suitable for cutting operations?

- a) Oxidising flame
- b) Carburizing flame
- c) Neutral flame
- d) None of the options

29. In Submerged Arc Welding (SAW), what does the term "submerged" refer to?

- a) The welding electrode is submerged in water during the welding process.
- b) The weld joint is submerged underwater for cooling after welding.
- c) The welding arc is submerged beneath a layer of flux during welding.
- d) The weld pool is submerged in a vacuum chamber to prevent oxidation.

30. In welding, what does the term "purging" typically refer to?

- a) Removing impurities from the welding electrode
- b) Cleaning the welding surface with a purging agent

c) Protecting the weld area from atmospheric contamination with an inert gas

d) Applying a protective coating over the weld joint
