

**Duration: 30 Mins**

**Total Marks: 19**

**Q.ID: ITISKILL2625CB**

1. Where do we cut 2.0 mm depth by hand saw to conduct Nick-break test?

- |                       |                                     |
|-----------------------|-------------------------------------|
| A) Cut to base metal  | B) Cut along centre line of weld    |
| C) Don't cut to metal | D) Cut to weld metal and base metal |

**Answer: B) Cut along centre line of weld**

2. What are the costs involved in welding job?

- |                                   |                                  |
|-----------------------------------|----------------------------------|
| A) Proportion cost and works cost | B) Material and preparation cost |
| C) Electrode, power, labour       | D) Material and machining        |

**Answer: C) Electrode, power, labour**

3. Which stage the root gap is set in welding process?

- |                            |                         |
|----------------------------|-------------------------|
| A) Finishing welding stage | B) After welding stage  |
| C) During welding stage    | D) Before welding stage |

**Answer: D) Before welding stage**

4. What is the cost, involving office expenses, lighting, rent etc but not directly related to the job?

- |                   |                   |
|-------------------|-------------------|
| A) Over head cost | B) Labour cost    |
| C) Power cost     | D) Finishing cost |

**Answer: A) Over head cost**

5. What is the test if the weld specimen is placed in between the x-ray unit and film?

- |                      |                           |
|----------------------|---------------------------|
| A) Ultra sound test  | B) Magnetic particle test |
| C) Radiographic test | D) Liquid penetrant test  |

**Answer: C) Radiographic test**

6. What is the test that gives tensile strength and elongation of test specimen?

- |                           |                   |
|---------------------------|-------------------|
| A) Slag inclusion         | B) Slag inclusion |
| C) Strength and ductility | D) Lack fusion    |

**Answer: C) Strength and ductility**

7. What is the test to find weld defect using sound waves echo displayed on calibrated screen?

- |                            |                      |
|----------------------------|----------------------|
| A) Liquid penetration test | B) Stethoscopic test |
| C) Radiographic test       | D) Ultrasonic test   |

**Answer: D) Ultrasonic test**

8. How many types of common non destructive test are there?

there?

- |            |            |
|------------|------------|
| A) 3 types | B) 2 types |
| C) 4 types | D) 5 types |

**Answer: A) 3 types**

9. What are the common welding tests performed in workshop?

- |                             |                                   |
|-----------------------------|-----------------------------------|
| A) Impact and particle test | B) Tensile test                   |
| C) Guided bend test         | D) Nick break, freebend, fracture |

**Answer: D) Nick break, freebend, fracture**

10. Which is a non destructive test?

- |                                     |                    |
|-------------------------------------|--------------------|
| A) Without damaging the job         | B) Nick break test |
| C) With damaging and with distraing | D) Free bend test  |

**Answer: A) Without damaging the job**

11. What is the purpose of inspection in welding?

- |                                       |                               |
|---------------------------------------|-------------------------------|
| A) Determine the electrode fusibility | B) Determine the material     |
| C) Determine faults and quality weld  | D) Determine the welded metal |

**Answer: C) Determine faults and quality weld**

12. What is the test in which the weld quality is tested without destroying the job?

- |                         |                           |
|-------------------------|---------------------------|
| A) Non-destructive test | B) Semi-destructive test  |
| C) Destructive test     | D) Visual inspection test |

**Answer: A) Non-destructive test**

13. The welding cost estimation of power cost is  $(V \times A/1000) \times (T/60) \times (1/E) \times \text{rate per unit}$  is formula. What is the ?E? identify?

- |                             |                           |
|-----------------------------|---------------------------|
| A) Electrode of weld metal  | B) Efficiency of machines |
| C) Efficiency of weld meter | D) Electrode consumed     |

**Answer: B) Efficiency of machines**

14. What activities contribute to the fabrication cost?

- |                                       |   |
|---------------------------------------|---|
| A) Welding, finishing, transportation | B) Preparation, welding, finishing      |
| C) Raw metal, welding, finishing      | D) Finishing, transportation, marketing |

**Answer: B) Preparation, welding, finishing**

15. How many stages are there in visual inspection in NDT?

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

**Answer: D) Three stages**

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16. What is the test to find the internal defect of a weldment if echo transmitted by sound waves displayed on a calibrated screen of testing unit?

- A) Ultrasonic test
- B) Liquid penetrant test
- C) Stethoscopic test
- D) Radiographic test

**Answer: A) Ultrasonic test**

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17. What is the NDT method using sound as a source?

- A) Magnetic particle test
- B) Visual inspection

C) Stethoscopic test

D) Pressure test

**Answer: C) Stethoscopic test**

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18. What type of test is visual inspection test?

- A) Non-destructive test
- B) Non-destructive and destructive
- C) Destructive test
- D) Performance test

**Answer: A) Non-destructive test**

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19. Which type of test is generally not used on the final product?

- A) Non-destructive test
- B) Destructive test
- C) Semidestructive test
- D) Non destructive and semidestructive

**Answer: B) Destructive test**

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