WELDING (SC-II)

SECTION – A (Marks 08)

Time allowed: 20 Minutes

NOTE: Section–A is compulsory. All parts of this section have to be answered on the question paper itself. It should be completed in the first 20 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q. 1 Circle the correct option i.e. A / B / C / D. Each part carries one mark.

(i) __________ is a ferrous metal
A. Iron
B. Aluminium
C. Gold
D. Copper

(ii) The melting point of Aluminium is:
A. 660°C
B. 670°C
C. 700°C
D. 750°C

(iii) The process of softening a metal is called:
A. Hardening
B. Tempering
C. Annealing
D. None of these

(iv) The output of welding machine is usually equal to __________ volt.
A. 40
B. 50
C. 60
D. 70

(v) The Three phase welding plant is used for:
A. Small work
B. Medium work
C. Heavy work
D. None of these

(vi) There are __________ types of flame.
A. 3
B. 4
C. 5
D. 7

(vii) Which of the following welding joint is the strongest?
A. Butt joint
B. Tee joint
C. Corner joint
D. Lap joint

(viii) __________ welding can be done without welding rod.
A. Gas welding
B. Electric welding
C. Spot welding
D. Brazing

For Examiner’s use only:

Total Marks: 08

Marks Obtained: __________
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<th>سوال</th>
<th>جواب</th>
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<tr>
<td>(i)</td>
<td>فیبر دو ملان سی-90</td>
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<td>(ii)</td>
<td>Al (Aluminium)</td>
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WELDING CBC-II

Time allowed: 2:10 Hours

Total Marks Sections B and C: 32

NOTE: Answer any six parts from Section ‘B’ and any two questions from Section ‘C’ on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION - B (Marks 30)

Q. 2 Answer any SIX parts. The answer to each part should not exceed 3 to 4 lines. (6 x 3 = 18)

(i) What are Non-ferrous metals?
(ii) Name any three ferrous metals.
(iii) What do you mean by Hardening?
(iv) Define D.C welding transformer.
(v) Define chipping hammer.
(vi) Write the parts of welding electrode.
(vii) Write names of any three welding joints.
(viii) Define Non-destructive test.

SECTION - C (Marks 14)

Note: Attempt any TWO questions. All questions carry equal marks. (2 x 7 = 14)

Q. 3 Write the names of five cutting tools and their uses which are used in the workshop. How many types of screw driver are there? Write their names?

Q. 4 Explain the gases which are used in gas welding. How is acetylene gas produced from calcium carbide?

Q. 5 Explain submerged welding and Arc welding.

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Q. 6 (6 x3=18)

Solutions:

(i) What are Non-ferrous metals?
(ii) Name any three ferrous metals.
(iii) What do you mean by Hardening?
(iv) Define D.C welding transformer.
(v) Define chipping hammer.
(vi) Write the parts of welding electrode.
(vii) Write names of any three welding joints.
(viii) Define Non-destructive test.

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Q. 7 (2x7=14)

Solutions:

(i) The names of five cutting tools and their uses which are used in the workshop are:
   (ii) The types of screw driver are: