

The criteria for the Best Welders' tests are given below :

1. Only one pre-prepared test coupon shall be given to each competitor.
2. A maximum of three hours shall be given for the written tests .
3. TOTAL MARKS : 100 Marks
 - a) Practical test (Butt Welding) : Marks 80
The test coupons should qualify in Visual and Radiography Tests.
 - b) Viva Voce test : Marks 20

FOR BEST PIPE WELDER'S TEST:

A. Practical test (Butt Welding) : Marks 80

1. Pipe Specification: - ASTM – A – 106 – Gr-B
2. Pipe dimensions : 6" dia Sch 80 pipe (thickness ≥ 10.00 mm)
3. Process : SMAW
4. Position : 6G
5. Weld fit-up
 - Root face 1.5 to 2.0m
 - Root gap 1.00 to 1.5 mm
 - Bevel angle 60 – 65 degree
6. Welding consumables
 - Root – E7018 , size – 2.5mm / 3.15 mm
 - Hot pass and subsequent pass – E7018 3.15mm / 2.5mm
7. Cleaning: Grinding is not allowed during and after welding. Hacksaw Blade, file and brush can be used for cleaning
8. Completion time: Three hours maximum
9. **Acceptable Test:** The test coupons should qualify in Visual and Radiography Tests.

B . Viva Voce Test : 20 Marks

TOTAL MARKS : 100

FOR BEST STRUCTURAL WELDER'S TEST:

A. Practical test (Butt welding) : Marks 80

1. Plate Specification: - ASTM – A 36 / IS 2062
2. Plate dimensions : 100 X 300 X 10-12 mm thick
3. Process: SMAW
4. Position : 4G without backing
5. Weld fit-up
 - Root gap 1.0 to 1.5mm
 - Root face 1.5 to 2.00 mm
 - Bevel angle 60 – 65 degree
6. Welding consumables
 - Root ,Hot pass and subsequent pass – E7018
 - Electrodes size -2.5mm / 3.15mm
7. Cleaning : Grinding is not allowed during and after welding. Hacksaw Blade, file and brush can be used for cleaning.
8. Completion time : Three hours maximum
9. **Acceptable Test:** The test coupons should qualify in Visual and Radiography Tests.

B. Viva Voce Test : 20 Marks

TOTAL MARKS : 100

PROFORMA FOR NOMINATION OF BEST WELDERS' AWARDS

- 1. Name :
- 2. Date of Birth :
- 3. Designation :
- 4. Name of Organisation :
- 5. Organisation's Address :
(with Tel. No., Fax No. & E-mail)

6. Educational Qualification of the candidates :

Sl. No.	Qualification	Institute	Major Subjects

7. Professional Experience :

8. Specific achievements in the Welding Field:
(State in about 100/150 words attaching separate sheet)

9. Name & address of two persons, familiar with the work & achievements of the applicant, to whom a confidential reference can be made to assess the value of achievement.

- a)
- b)

Signature of the Nominating Authority

Name : Designation :