

GUIDELINES FOR THE WRITTEN TEST FOR THE BEST WELDING ENGINEER

To be very specific and to have uniformity in the selection , the following aspects shall be considered for setting up the question papers. **A maximum of three hours shall be given for the written tests.**

- * Welding symbols; welding joint efficiency, applications & design of weld joints
- * Residual and thermal stresses in welded joints
- *Welding processes and principles of different materials, process variations and techniques
- * Power sources, duty cycles and applications
- * Welding defects, their causes and remedies; distortion and methods to reduce distortion in welded joints
- * Welding consumables – functions and classifications
- * Safety and Precautions
- * Materials and their behaviour; pre and post weld heat treatment
- * Equilibrium diagrams, micro-structural changes
- * WPS, PQR, Weld maps, Inspection and Testing
- * Repair welding and surfacing
- * Codes and Specifications
- * Welding costs and economics

PROFORMA FOR NOMINATION OF BEST WELDING ENGINEER'S AWARD

- 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 candidate :

Sl. No.	Qualification	Institute	Major Subjects

7. Professional Experience :

8. Membership of Professional Bodies :

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

10. 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 :