NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute)

Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

M.Tech

FIRST YEAR (SEMESTER-II) THEORY EXAMINATION (2020-2021)

(Subjective Type)

Subject Code: AMTME0213   **Max. Mks. : 30**

Subject: <u>Advanced Welding Technology</u>   **Time   : 50 Minutes**

<u>General Instructions:</u>

All questions are compulsory.

Question No. 1 to 15 are subjective type question carrying 3 marks each. Attempt any 10 out of 15 questions.

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty
1	List out the sources of energy used for welding?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
2	Define neutral flame and give its ratio?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
3	What reaction takes place in thermit welding?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
4	Define fusion zone?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
5	Classify the various type of cast irons?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
6	Explain Cuciform test?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
7	What is stand off distance?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
8	What is Friction stir welding?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty
9	Explain Vacuum fusion bonding?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
10	Define the term weldability		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
11	Define heat affected zone?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
12	Explain backing run in the welding joints ?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
13	What do you understand by robot vision?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
14	Explain the types of industrial robots.		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
15	what are the types of welding robots?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant