

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)****(Objective Type)****Subject Code: AMTME0213****Max. Mks. : 40****Subject: Advanced Welding Technology****Time : 70 Minutes****General Instructions:***All questions are compulsory.**Question No- 1 to 5 are objective type question carrying 2 marks each.**Question No- 6 to 20 are also objective type/Glossary based question carrying 2 marks each.*

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Type	Difficulty	Correct	Option1	Option2	Option3	Option4
1	The eyes of the welding operator must be protected against		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	Both Ultraviolet radiation AND Infrared radiations	Ultraviolet radiation	Infrared radiations	Both Ultraviolet radiation AND Infrared radiations	Solar radiation
2	The aluminum alloys welding is done using		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	AC arc welding	DC arc welding	AC arc welding	Tungsten Welding	Acetylene oxygen gas welding
3	Which welding process is used to join two thick plates in one single pass?		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	Gas metal arc welding	Oxy-acetylene welding	Gas tungsten arc welding	Gas metal arc welding	Electroslag welding
4	Arc blow is a welding defect which is encountered in		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	Arc welding using A.C current	Arc welding using D.C current	Arc welding using A.C current	Gas welding	Thermit welding
5	Spot welding robot works on_____.		Single Choice Questions	Single Choice Questions	2		Single Choice	Brilliant	Both	Point to point path system	Contouring path system	Both	None
6	In reverse polarity welding the Electrode holder is connected to the negative and work to………………..		Glossary I	Glossary I	2		Single Choice	Smart	positive	Fusion welding	positive	Neutral	
7	The most commonly used flame in gas welding is……………;		Glossary I	Glossary I	2		Single Choice	Smart	Neutral	Fusion welding	positive	Neutral	
8	Thermit welding is a form of…………..		Glossary I	Glossary I	2		Single Choice	Smart	Fusion welding	Fusion welding	positive	Neutral	
9	Chipping hammers are used…..		Glossary II	Glossary II	2		Single Choice	Brilliant	To remove slag from welding	Acetylene and oxygen	To remove slag from welding	Tungsten	
10	In gas welding the gases used are ……		Glossary II	Glossary II	2		Single Choice	Brilliant	Acetylene and oxygen	Acetylene and oxygen	To remove slag from welding	Tungsten	
11	In “argon arc welding” the electrode is made of ……..		Glossary II	Glossary II	2		Single Choice	Brilliant	Tungsten	Acetylene and oxygen	To remove slag from welding	Tungsten	
12	A ……………of metal is formed near electrode tip, in arc welding		Glossary III	Glossary III	2		Single Choice	Brilliant	molten weld pool	Aluminium Alloys	non-consumable	molten weld pool	
13	TIG uses a ……………………… tungsten electrode and an inert gas for arc shielding		Glossary III	Glossary III	2		Single Choice	Brilliant	non-consumable	Aluminium Alloys	non-consumable	molten weld pool	
14	TIG is very suitable for welding of ………………………		Glossary III	Glossary III	2		Single Choice	Brilliant	Aluminum Alloys 	Aluminum Alloys 	 non-consumable 	 molten weld pool	

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15	………… can be summarized as the repair of a badly worn component to bring it to its original condition.		Glossary IV	Glossary IV	2		Single Choice	Brilliant	Weld Reclamation	weld	maintenance	Weld Reclamation	
16	The dictionary defines …... as follows: the work of keeping something in proper condition; upkeep.		Glossary IV	Glossary IV	2		Single Choice	Brilliant	maintenance	weld	maintenance	Weld Reclamation	
17	It is absolutely essential that we know the type, specification, composition of the metal that we are planning to ….		Glossary IV	Glossary IV	2		Single Choice	Brilliant	weld	weld	Maintainnance	Weld Reclamation	
18	Increased Power ,In the case of steel, at some point vaporization may take place lowering the …………..		Glossary V	Glossary V	2		Single Choice	Brilliant	Dilution	deposition efficiency	Dilution	dissimilar metals	
19	Cladding is the bonding together of …………..		Glossary V	Glossary V	2		Single Choice	Brilliant	dissimilar metals	deposition efficiency	Dilution	dissimilar metals	
20	………….. can be defined as the proportion of base material in the resultant weld metal.		Glossary V	Glossary V	2		Single Choice	Brilliant	deposition efficiency	deposition efficiency	Dilution	dissimilar metals	