

Subject Code : 602 ▼

Subject Code	Exam Date	Q Id	Questions	Answer Key
602	14-02-2020	71	<p>Which among the following radiations in the sunlight causes tanning and sunburn?</p> <p>(A) Ultraviolet</p> <p>(B) Visible</p> <p>(C) Infrared</p> <p>(D) Microwaves</p>	(A)
602	14-02-2020	72	<p>Which of the following is India's first nuclear reactor?</p> <p>(A) Apsara</p> <p>(B) Dhruva</p> <p>(C) Rawatbhatta</p> <p>(D) Kudankulam</p>	(A)
602	14-02-2020	73	<p>Asian Games started in the year</p> <p>(A) 1890</p> <p>(B) 1900</p> <p>(C) 1951</p> <p>(D) 1975</p>	(C)
602	14-02-2020	74	<p>The book named 'Three Decades in Parliament' is a collection of the speeches of</p> <p>(A) A. B. Vajpayee</p> <p>(B) Somnath Chatterjee</p> <p>(C) L. K. Advani</p> <p>(D) N. G. Ranga</p>	(A)

602	14-02-2020	75	<p>Amnesty International is an organisation associated with which of the following fields?</p> <p>(A) Protection of Cruelty to animals</p> <p>(B) Environment protection</p> <p>(C) Protection of human rights</p> <p>(D) Protection of historic monuments</p>	(C)
602	14-02-2020	76	<p>Fill in the blanks with appropriate word.</p> <p>As soon as he reached home _____ to rain.</p> <p>(A) then it began</p> <p>(B) it began</p> <p>(C) when it began</p> <p>(D) that it began</p>	(B)
602	14-02-2020	77	<p>Select the antonym of the given word. "elastic"</p> <p>(A) flexible</p> <p>(B) unreliable</p> <p>(C) faulty</p> <p>(D) rigid</p>	(D)
602	14-02-2020	78	<p>Select the synonym of the given word. "obsolete"</p> <p>(A) transparent</p> <p>(B) irregular</p> <p>(C) outdated</p> <p>(D) strange</p>	(C)
602	14-02-2020	79	<p>Replace the underlined word with most appropriate option:</p> <p>The entire nation <u>grieved</u> over the death of the prime minister.</p> <p>(A) cried</p>	(C)

			<p>(B) wept</p> <p>(C) mourned</p> <p>(D) harrashed</p>	
602	14-02-2020	80	<p>Choose the correctly spelt word in the following.</p> <p>(A) Jelousy</p> <p>(B) Corupt</p> <p>(C) Intrest</p> <p>(D) Miniature</p>	(D)
602	14-02-2020	81	<p>Some boys are sitting in a row. P is sitting fourteenth from the left and Q is seventh from the right. If there are four boys between P and Q, how many boys are there in the row?</p> <p>(A) 25</p> <p>(B) 23</p> <p>(C) 21</p> <p>(D) None of the options</p>	(A)
602	14-02-2020	82	<p>Avinash walked five metres towards East and took a right turn and walked 10 metres and again he took a right turn and walked 15 metres. Which direction is he facing now?</p> <p>(A) South</p> <p>(B) West</p> <p>(C) North</p> <p>(D) South-West</p>	(B)
602	14-02-2020	83	<p>If 'water' is called ' food ', ' food ' is called ' tree', 'tree' is called 'sky', 'sky' is called 'wall', on which of the following grows a fruit?</p> <p>(A) Water</p> <p>(B) food</p>	(C)

			(C) sky (D) tree	
602	14-02-2020	84	A is the father of B, C is the daughter of B, D is the brother of B, E is the son of A. What is the relationship between C and E? (A) Brother and Sister (B) Cousins (C) Niece and uncle (D) Father and Mother	(C)
602	14-02-2020	85	Wave: Crest : : _____ : Peak (A) water (B) top (C) moving (D) mountain	(D)
602	14-02-2020	86	If $204 \div 12.75 = 16$, then $2.04 \div 1.275 = ?$ (A) 1.6 (B) 0.016 (C) 16 (D) 0.16	(A)
602	14-02-2020	87	A number between 10 and 100 is five times the sum of its digits. If 9 be added to it the digits are reversed, find the number. (A) 54 (B) 53 (C) 45 (D) 55	(C)
602	14-02-2020	88	Every person shakes hands with each other in a party	(B)

			<p>and the total number of handshakes is 66. The number of guests in the party is</p> <p>(A) 11</p> <p>(B) 12</p> <p>(C) 13</p> <p>(D) 14</p>	
602	14-02-2020	89	<p>In a college union there are 48 students. The ratio of number of boys to number of girls is 5 : 3. The number of girls to be added to the union so that the ratio of boys to girls becomes 6 : 5 is,</p> <p>(A) 7</p> <p>(B) 6</p> <p>(C) 17</p> <p>(D) 12</p>	(A)
602	14-02-2020	90	<p>The greatest number of four digits which is divisible by 15, 25, 40 and 75 is:</p> <p>(A) 9000</p> <p>(B) 9400</p> <p>(C) 9600</p> <p>(D) 9800</p>	(C)
602	14-02-2020	91	<p>Which type of metal is more prone to corrosion?</p> <p>(A) highly reactive</p> <p>(B) highly active</p> <p>(C) least reactive</p> <p>(D) least active</p>	(A)
602	14-02-2020	92	<p>Which of the following ray is not produced during welding?</p> <p>(A) Gamma rays</p>	(A)

			<p>(B) UV rays</p> <p>(C) Visible light rays</p> <p>(D) Infra red rays</p>	
602	14-02-2020	93	<p>Which of the following is not a weld defect?</p> <p>(A) lack of fusion</p> <p>(B) porosity</p> <p>(C) ripples</p> <p>(D) blow hole</p>	(C)
602	14-02-2020	94	<p>Select an option which is not a PPE?</p> <p>(A) Safety Helmet</p> <p>(B) Mask</p> <p>(C) Safety shoe</p> <p>(D) Torch</p>	(D)
602	14-02-2020	95	<p>Which of the following joint have high corrosion resistance?</p> <p>(A) Welding joint</p> <p>(B) Bolted joint</p> <p>(C) Riveted joint</p> <p>(D) None of the options</p>	(A)
602	14-02-2020	96	<p>Which type of gas is carbon dioxide?</p> <p>(A) inert</p> <p>(B) neutral</p> <p>(C) active</p> <p>(D) passive</p>	(C)
602	14-02-2020	97	<p>Arc-welding uses following electric supply</p> <p>(A) AC</p>	(C)

			<p>(B) DC</p> <p>(C) Both AC and DC</p> <p>(D) Spiral wave form</p>	
602	14-02-2020	98	<p>Downhand butt welding is denoted as?</p> <p>(A) 1G</p> <p>(B) 2G</p> <p>(C) 3G</p> <p>(D) 4G</p>	(A)
602	14-02-2020	99	<p>In MIG welding, the metal is transferred in the form of.....</p> <p>(A) A fine spray of metal</p> <p>(B) Weld pool</p> <p>(C) Molten drops</p> <p>(D) Very fine metal</p>	(A)
602	14-02-2020	100	<p>Process used to weld fastener to plates without drilling or punching holes?</p> <p>(A) Electroslag welding</p> <p>(B) Stud welding</p> <p>(C) Oxy-acetylene welding</p> <p>(D) Butt welding</p>	(B)
602	14-02-2020	101	<p>In electrode E7018; what does 70 stands for</p> <p>(A) tensile strength</p> <p>(B) electrode</p> <p>(C) position</p> <p>(D) type of coating</p>	(A)
602	14-02-2020	102	<p>Caburizing flame is often called as?</p>	(B)

			<p>(A) neutral flame</p> <p>(B) reducing flame</p> <p>(C) oxidizing flame</p> <p>(D) natural flame</p>	
602	14-02-2020	103	<p>Expand WPS</p> <p>(A) Welding Procedure Specification</p> <p>(B) Welding Parameter Standard</p> <p>(C) Welder Performance Standard</p> <p>(D) Welder Performance Sequence</p>	(A)
602	14-02-2020	104	<p>Radiography testing of weld joint is a</p> <p>(A) Destructive testing</p> <p>(B) Non-Destructive Testing</p> <p>(C) Visual Inspection</p> <p>(D) All of the options</p>	(B)
602	14-02-2020	105	<p>In arc welding, the length of arc is directly related to</p> <p>(A) Current</p> <p>(B) Voltage</p> <p>(C) Both current and voltage</p> <p>(D) None of the options</p>	(B)
602	14-02-2020	106	<p>The electrode size refers to</p> <p>(A) diametre of its core wire</p> <p>(B) diametre(overall) of electrode</p> <p>(C) thickness of flux coating</p> <p>(D) length of electrode</p>	(A)
602	14-02-2020	107	<p>Aluminum and Mild Steel can be joined together by</p>	(C)

			<p>which method</p> <p>(A) MIG welding</p> <p>(B) Stud welding</p> <p>(C) Explosion welding</p> <p>(D) None of the options</p>	
602	14-02-2020	108	<p>Which one of the following is the type of transformer used in arc welding</p> <p>(A) capable of increasing supply voltage</p> <p>(B) step up</p> <p>(C) one to one</p> <p>(D) step down</p>	(D)
602	14-02-2020	109	<p>The states that the buoyant force has a magnitude equal to the weight of the fluid displaced by the body and is directed vertically upward.</p> <p>(A) Theory of Relativity</p> <p>(B) Archimedes Principle</p> <p>(C) Newton's Law of Motion</p> <p>(D) Pythagoras Theorem</p>	(B)
602	14-02-2020	110	<p>The use of shielding gas to protect the root weld from oxidation is called</p> <p>(A) Purging</p> <p>(B) Backing</p> <p>(C) Preheating</p> <p>(D) Hot start</p>	(A)
602	14-02-2020	111	<p>What is the heat input produced for a manual welding performed with current of 100 Amps, Voltage of 30 Volts and the welder welds 270 mm in 3 minutes. Consider arc efficiency for Manual welding as 80%</p>	(D)

			<p>(A) 2000 J/mm</p> <p>(B) 1600 J/inches</p> <p>(C) 1600 KJ/mm</p> <p>(D) 1600 J/mm</p>	
602	14-02-2020	112	<p>Bimetallic strips used to weld Aluminum and steels are made by</p> <p>(A) TIG Welding</p> <p>(B) Explosion Welding</p> <p>(C) A-TIG Welding</p> <p>(D) FB-TIG Welding</p>	(B)
602	14-02-2020	113	<p>E71T-1C denotes an electrode for which welding process?</p> <p>(A) SMAW Welding</p> <p>(B) TIG Welding</p> <p>(C) FCAW Welding</p> <p>(D) Submerged Arc Welding</p>	(C)
602	14-02-2020	114	<p>What does straight polarity in welding mean?</p> <p>(A) Electrode is always connected to negative terminal</p> <p>(B) Electrode is always connected to positive terminal</p> <p>(C) Base Metal is always connected to negative terminal</p> <p>(D) Whenever DC current is used instead of AC current</p>	(A)
602	14-02-2020	115	<p>What is 5G welding in pipes ?</p> <p>(A) Horizontal fixed position</p> <p>(B) Horizontal rotated</p>	(A)

			<p>(C) Inclined at 60 degree</p> <p>(D) Vertical position</p>	
602	14-02-2020	116	<p>Weld cracks are</p> <p>(A) Always a non-conformity</p> <p>(B) Not a non-conformity</p> <p>(C) Non-conformity based on the welding codes referred</p> <p>(D) Non-conformity when formed only as a cluster</p>	(A)
602	14-02-2020	117	<p>Agglomerated fluxes in SAW</p> <p>(A) Neutral fluxes</p> <p>(B) Basic fluxes</p> <p>(C) Highly basic fluxes</p> <p>(D) All of the options</p>	(D)
602	14-02-2020	118	<p>Change of groove angle results in</p> <p>(A) Depends on the F-Number of the electrode changed and the F-Number of the electrode as per the WPS</p> <p>(B) Depends on the base-metal for which electrode is used as per WPS</p> <p>(C) Re-qualification of WPS</p> <p>(D) Re-qualification of WPS is not needed</p>	(D)
602	14-02-2020	119	<p>Which non destructive test gives volumetric defects</p> <p>(A) Dye penetrant test</p> <p>(B) Eddy current test</p> <p>(C) Magnetic particle inspection</p> <p>(D) Radiographic test</p>	(D)
602	14-02-2020	120	<p>Contaminated shielding gas results in</p>	(A)

			<p>(A) Porosity</p> <p>(B) Undercut</p> <p>(C) Lack of fusion</p> <p>(D) Unstable arc</p>	
602	14-02-2020	121	<p>What is the melting point temperature of marine grade aluminium in degree celsius</p> <p>(A) 660</p> <p>(B) 1200</p> <p>(C) 2000</p> <p>(D) 1540</p>	(A)
602	14-02-2020	122	<p>Which of the following welding parameters can be represented using welding symbols ?</p> <p>(A) Welding Process used</p> <p>(B) Type of back welding</p> <p>(C) NDT Requirements</p> <p>(D) All of the options</p>	(D)
602	14-02-2020	123	<p>Why is AC arc usually used for welding aluminum?</p> <p>(A) Gives more heat</p> <p>(B) Removes the aluminum oxide layer</p> <p>(C) Uses low current than DC</p> <p>(D) Gives more penetration</p>	(B)
602	14-02-2020	124	<p>Welding groove is designed based on</p> <p>(A) The thickness of the base-metal</p> <p>(B) Position of the weld</p> <p>(C) Load carrying capacity of the weld</p> <p>(D) All of the options</p>	(D)

602	14-02-2020	125	<p>Why is backgouging done?</p> <p>(A) To get complete penetration</p> <p>(B) To get complete fusion</p> <p>(C) To remove defects from root side</p> <p>(D) All of the options</p>	(D)
602	14-02-2020	126	<p>The Unit of Joules is used to check the following properties</p> <p>(A) Tensile</p> <p>(B) hardness</p> <p>(C) impact</p> <p>(D) elongation</p>	(C)
602	14-02-2020	127	<p>When Hydrogen control welding used for fabrication of Carbon steel in all position weld, which type of SMAW weld consumable be used</p> <p>(A) E6013</p> <p>(B) E316 L-16</p> <p>(C) E8018</p> <p>(D) E7024</p>	(C)
602	14-02-2020	128	<p>Major elements which contribute for Hot cracking in weld of Carbon steel</p> <p>(A) Cr, Ni</p> <p>(B) S, P</p> <p>(C) C, Mg</p> <p>(D) Mn, Al</p>	(B)
602	14-02-2020	129	<p>Which NDT processes is best suitable for surface defect on complicated shapes and of variable thickness</p> <p>(A) UT & MPI</p>	(C)

			<p>(B) UT & DPT</p> <p>(C) MPI & DPT</p> <p>(D) RT & UT</p>	
602	14-02-2020	130	<p>What are the factors which influence distortion of weld joint</p> <p>(A) Thickness of the plate</p> <p>(B) Root gap</p> <p>(C) Heat input</p> <p>(D) All of the options</p>	(D)
602	14-02-2020	131	<p>Which fusion welding process is best suited for welding of Pipes</p> <p>(A) GTAW</p> <p>(B) MMAW</p> <p>(C) SAW</p> <p>(D) Resistance butt welding</p>	(A)
602	14-02-2020	132	<p>What is IACS standards in ship building</p> <p>(A) International Association of Classification Society</p> <p>(B) International Association of Car Society</p> <p>(C) India Association of Class ship building Society</p> <p>(D) International Association of Cargo manufacturing Society</p>	(A)
602	14-02-2020	133	<p>Explosive limit of Acetylene in Air is</p> <p>(A) 2.5 -80 %</p> <p>(B) 0-30 %</p> <p>(C) 30-80 %</p>	(A)

			(D) 50-80%	
602	14-02-2020	134	<p>Safety methods for the use of Oxy Acetylene cutting torch</p> <p>(A) Used Proper flow meter at ends</p> <p>(B) Proper Flash back arrestor at Torch and at regulator ends</p> <p>(C) Proper MCB arrestor at Torch and at regulator ends</p> <p>(D) Proper ELCB arrestor at Torch and at regulator ends</p>	(B)
602	14-02-2020	135	<p>Typical joining method of copper pipes below 50 NB</p> <p>(A) Welding</p> <p>(B) TIG welding</p> <p>(C) Brazing</p> <p>(D) Brazing and welding</p>	(D)
602	14-02-2020	136	<p>Galvanisation process is</p> <p>(A) Iron coating</p> <p>(B) Copper coating</p> <p>(C) Zinc coating</p> <p>(D) Aluminum coating</p>	(C)
602	14-02-2020	137	<p>What is the ASME code followed for weld consumable selection</p> <p>(A) ASME section IIC</p> <p>(B) ASME section IIA</p> <p>(C) ASME section IIB</p> <p>(D) ASME section IX</p>	(A)
602	14-02-2020	138	When conducting the welders performance	(C)

			qualification (WPQ) what are we checking (A) Chemical properties (B) Mechanical properties for WPS (C) Welders performance and RT (D) Processes development	
602	14-02-2020	139	Which alloying element is used for improving pitting corrosion resistance in Stainless Steel? (A) Molybdenum (B) Magnesium (C) Nickel (D) Manganese	(A)
602	14-02-2020	140	Which Alloying element helps for getting high Impact values in electrodes at Sub zero temperature? (A) Carbon (B) Nickel (C) Phosphorus (D) Sulphur	(B)