

Program: SE Automobile Engineering
Curriculum Scheme: Revised 2012 (CBSGS)
Examination: Second Year Semester III

Course Code: AEC304 and Course Name: Production Process - 1

Time: 1 hour

Max. Marks: 50

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Note to the students:- All the Questions are compulsory and carry equal marks .

Q1.	Temperature of molten metal pool for Electro slag welding is
Option A:	2000°C
Option B:	1950°C
Option C:	1150°C
Option D:	2150°C
Q2.	Electro slag welding is used for plate thickness of up to
Option A:	75mm
Option B:	86mm
Option C:	80mm
Option D:	70mm
Q3.	In thermit welding process, mixture of fine aluminum powder and iron oxide is in the ratio of ____ by weight
Option A:	3:1
Option B:	1:3
Option C:	1:1
Option D:	3:3
Q4.	Preheating of thermit mixture in order to start reaction is
Option A:	1300°C
Option B:	3100°C
Option C:	1100°C
Option D:	1500°C
Q5.	Which is not type of compression forming from following?
Option A:	Rolling
Option B:	Extrusion
Option C:	Recessing
Option D:	forging
Q6.	The processes working ____ recrystallization temperature is known as Hot working processes

Option A:	below
Option B:	above
Option C:	equal
Option D:	half of
Q7.	The geometry of the product of rolling is depend on
Option A:	contour of roll gap
Option B:	contour of rolls
Option C:	type of material
Option D:	temprature of rolls
Q8.	When the two rolls with constant direction of rotation about horizontal axis is known as
Option A:	two high reversing mill
Option B:	two high pull over mill
Option C:	cluster mill
Option D:	continuous mill
Q9.	Operation done in closed impression dies by means of drop hammer is known as $\phi > \alpha$
Option A:	smith forging
Option B:	drop forging
Option C:	press forging
Option D:	machine forging
Q10.	Squeezing in press forging is obtained by means of
Option A:	hydraulic press
Option B:	hammer
Option C:	mechanical press
Option D:	Punch die set
Q11.	Which of the following type is known as Upset forging?
Option A:	press forging
Option B:	machine forging
Option C:	drop forging
Option D:	smith forging
Q12.	Cold shunt in forging is because of
Option A:	improper design of forging die
Option B:	using faulty forging techniques
Option C:	improper design of die
Option D:	improper cleaning of stock used.
Q13.	Lubricants like oil- graphite , molten glass is used in
Option A:	backward hot extrusion
Option B:	forward hot extrusion

Option C:	cold extrusion
Option D:	extruding tubes
Q14.	Collapsible tubes for housing pastes is made by
Option A:	impact cold extrusion
Option B:	cold extrusion forging
Option C:	backward or hot extrusion
Option D:	wire drawing
Q15.	Wire drawing die is ____ in shape .
Option A:	spherical
Option B:	elliptical
Option C:	Rectangular
Option D:	conical
Q16.	Mechanical deformation technique of reducing cross section rods or tubes by repeated impacts is ____
Option A:	tube making
Option B:	swagging
Option C:	Rod drawing
Option D:	Wire drawing
Q17.	Injection molding & blow molding machines are known as
Option A:	machining tools
Option B:	metal forming machines
Option C:	thermoplastic machines
Option D:	Non traditional machines
Q18.	A piece of metal whose thickness is in between ____ is known as sheet metal.
Option A:	0.15mm to 6mm
Option B:	2mm to 5mm
Option C:	1mm to 1.5 mm
Option D:	6mm to 6.5mm
Q19.	A process in which force is applied on sheet of metal to caused it to bend to form desired shape is known as
Option A:	shearing
Option B:	bending
Option C:	blanking
Option D:	punching
Q20.	Punching away extra material from perimeter of part is known as
Option A:	slitting
Option B:	nibbling

Option C:	perforating
Option D:	trimming
Q21.	weld pool temperature of TIG welding can approach up to
Option A:	1000°C
Option B:	1500°C
Option C:	2000°C
Option D:	2509°C
Q22.	Arc length for Arc welding is
Option A:	1-2mm
Option B:	5-6mm
Option C:	1.5-3.5mm
Option D:	3-4mm
Q23.	Fluxes added to welded metal to remove oxides are made up of
Option A:	Borax
Option B:	Nitrogen
Option C:	Lead
Option D:	Oxygen
Q24.	In which type of welding technique, welding started from right hand end of plate & travel towards left hand end of plate?
Option A:	Vertical welding
Option B:	Overhead welding
Option C:	Forehand welding
Option D:	Backward welding
Q25.	In which type from below, welding electrode is made of same metal as that of base metal?
Option A:	TIG
Option B:	MIG
Option C:	SAW
Option D:	Friction welding