

These are sample MCQs to indicate pattern, may or may not appear in examination

**University of Mumbai**  
**Examination 2020**

Program: TE Mechanical Engineering

Curriculum Scheme: Revised 2012

Examination: Third Year Semester V

Course Code: MEC503 and Course Name: PP-III

Time: 1 hour

Max. Marks: 50

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

Q1.	greater flexibility is achieved through computer control of the machine and its various functions, using various programs known as
Option A:	Soft automation
Option B:	Hard Automation
Option C:	Transfer line
Option D:	adaptive control
Q2.	The extra material from a rough sheared edge is trimmed by cutting is called as
Option A:	Slitting
Option B:	Shaving
Option C:	Blanking
Option D:	Piercing
Q3.	The following holds the workpiece securely in a jig or fixture against the cutting forces
Option A:	Locating device
Option B:	Clamping device
Option C:	Guiding device
Option D:	Marking device
Q4.	For machining of plastic material which of the unconventional process can be used effectively?
Option A:	plasma arc machining
Option B:	Ultrasonic Machining
Option C:	Chemical machining
Option D:	Electron beam Machining
Q5.	Which of the following material is not made by injection molding?
Option A:	Nuts
Option B:	Tubes

Option C:	Car Handles
Option D:	Electric Fittings
Q6.	Which of the following is not a part of fundamental lean manufacturing concept
Option A:	Reducing defects
Option B:	Reducing motion
Option C:	Reducing Manpower
Option D:	Reducing Inventory
Q7.	higher Labour skill is required in following
Option A:	Job Shop
Option B:	Batch Production
Option C:	Mass Production
Option D:	Transfer line
Q8.	Several operations on the same strip may be performed in one stroke with die in one station
Option A:	Simple die
Option B:	compound die
Option C:	Combination die
Option D:	Complex die
Q9.	Which one of the following is used to guide the tool and hold the job in mass production?
Option A:	Gauge
Option B:	Housing
Option C:	Jig
Option D:	Fixture
Q10.	Which of the following material cannot be machined using electronic discharge machine?
Option A:	wood
Option B:	Aluminum
Option C:	Iron
Option D:	Copper
Q11.	In Injection molding, Cold slug well is used to
Option A:	Cool the product
Option B:	Keep the nozzle material heated during cooling time
Option C:	Take out the cold material accumulated at nozzle tip
Option D:	Uniformly distribute material in mold cavity
Q12.	Just in Time is a solution to
Option A:	Over processing
Option B:	Excess Motion
Option C:	Defects

Option D:	Inventory
Q13.	It is used to move the workpiece from one station to another in the machine
Option A:	Transfer mechanisms
Option B:	Peddling
Option C:	shearing
Option D:	packing
Q14.	it is the ability of the sheet metal to undergo the desired shape change without failure, such as by necking or tearing.
Option A:	Ductility
Option B:	formability
Option C:	Cupping
Option D:	shearing
Q15.	Which one of the following bushings is used to locate the renewable bushing?
Option A:	Press fit bushing
Option B:	liner bushing
Option C:	Special bushing
Option D:	Knurled bushing
Q16.	Which of the following conditions are desirable for ECM?
Option A:	High value DC and low value electric potential
Option B:	High value DC and high value electric potential
Option C:	Low value DC and low value electric potential
Option D:	Low value DC and high value electric potential
Q17.	In Injection molding, manual runner removal operation is required in
Option A:	2 Plate mold
Option B:	3 Plate mold
Option C:	4 Plate mold
Option D:	Hot runner mold
Q18.	Flexible manufacturing allows for
Option A:	factory management
Option B:	automated design
Option C:	tool design and tool production
Option D:	quick and inexpensive product changes
Q19.	In case of Injection molding, ejector marks can be seen on parts if
Option A:	Clamping pressure is low
Option B:	Ejector force is high
Option C:	mold cavity not filled fully
Option D:	Ejector pins are hot

Q20.	sheared edge becomes rougher and the zone of deformation becomes larger due to following
Option A:	Increase contact area
Option B:	decrease contact area
Option C:	increase clearance
Option D:	decrease clearance
Q21.	Principle of following states that "In order to achieve the maximum accuracy in location the locating points should, therefore, be placed as far apart from one another as it is possible.
Option A:	Mutually perpendicular planes
Option B:	Extreme positions
Option C:	Least points
Option D:	Six-point location
Q22.	Which of the following process is based on Faradays law of Electrolysis?
Option A:	Electron beam Machining
Option B:	Laser Beam Machining
Option C:	Electrochemical Machining
Option D:	Electrical discharge Machining
Q23.	which of the following is not a locating device?
Option A:	nesting
Option B:	flathead
Option C:	conical head
Option D:	strap
Q24.	Which type of locator generally used to locate cylindrical job ?
Option A:	V- locator
Option B:	Nesting locator
Option C:	Pin locator
Option D:	Internal locator
Q25.	the edge of the sheet is folded over itself called as
Option A:	Flanging
Option B:	Beading
Option C:	Heaming
Option D:	Bending