

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

University of Mumbai  
Online Examination 2020

Program: BE Mechanical Engineering  
Curriculum Scheme: Revised 2012  
Examination: Final Year Semester VIII  
Course Code: MEC702  
Course Name: CAD/CAM/CAE

Time: 1 hour

Max. Marks: 50

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

- Q A rotation of the object by an angle of 180 degrees can also be called as?  
A translation  
A mirror reflection about an axis  
A scaling  
A rotation

Which of the following algorithms work on the principle of the way a painter draws a painting on a canvas?Which of the following algorithms work on the principle of the way a painter draws a painting on a canvas?Which of the following algorithms work on the principle of the way a painter draws a painting on a canvas?Which of the following algorithms work on the principle of the way a painter draws a painting on a canvas?Which of the following algorithms work on the principle of the way a painter draws a painting on a canvas?Which of the following algorithms work on the principle of the way a painter draws a painting on a canvas?Which of the following algorithms work on the principle of the way a painter draws a painting on a canvas?Which of the following algorithms work on the principle of the way a painter draws a painting on a canvas?Which of the following algorithms work on the principle of the way a painter draws a painting on a canvas?

- Q z buffer algorithm  
A back face removal algorithm  
A Painter's algorithm  
A area sub division algorithm  
Q Complicated shapes and objects don't give clarity in

A Wireframe model  
A Composite transformation  
A CSG  
A Surface model  
Q Lines are clipped within window in  
A Appel  
A Zbuffer  
A Line clipping  
A Painters  
Q Sweep representation of an object refers to the  
A 3D representation  
A 2D representation  
A 1D representation  
A Geometry representation  
Q Which is not modeling  
A Solid modelling  
A Surface Modelling  
A Edge and line modelling  
A Wireframe modelling  
The transformation that is used to alter the size of an object is \_\_\_\_\_ .  
Q  
A scaling  
A rotation  
A translation  
A reflection  
Circular arrays can be obtained with the help of \_\_\_\_\_ transformation.  
Q  
A translation  
A skewing  
A mirror  
A rotation  
A composite transformation matrix can be made by determining the \_\_\_\_\_ of matrix of  
Q the individual transformation  
A Addition

A Subtraction  
A Product  
A divison  
Q APT stands for  
A Automatic program of technology  
A Automatic program of technique  
A Automatically programmed tool  
A Automatically programmed trimming  
Q N001 in NC program is  
A Circular interpolation  
A Linear interpolation  
A Sequence number  
A Coolant off  
Q Drilling operation is  
A Point to point path  
A Continuous path  
A Cross path  
A CNC path  
Q N013 M30 is  
A Sequence number only  
A Program edit  
A Tool change  
A Program stop

Q In Finite elemental method formulation of problem result in a system of?

A Algebraic Equation  
A Arithmetic Equation  
A Logical Equation  
A Flow Equation

Q FEM gives accurate representation of  
A Real geometry  
A Complex geometry

- A Unreal geometry
- A Constant geometry
- Q The Finite element method (FEM) is mostly used in the field of
- A Structural mechanics
- A Classical mechanics
- A Applied mechanics
- A Engineering mechanics
- Q Degrees of freedom for traingular plane stress elements are
- A 3
- A 4
- A 5
- A 6
- Q Which is the command used to calculate volume of simple 3D obejct?
- A AREA
- A MASSPROP
- A VOLUME
- A CALCULATE
- Q CAPP is
- A Computer aided process production
- A Computer aided production planning
- A Computer aided process planning
- A Computer added process planning
- Q CIM relies on
- A Open loop system
- A Closed loop system
- A Direct loop system
- A Indirect loop system

Which of the following is not advantage of CIM

Q

A

Flexibility

A

Fully automatic

A

Large facility is required

A

Mistake proofing

Prototype is evaluated by the end user in

Q

A

Deployment

A

Quick plan

A

Quick design

A

Communication

CAD models used for 3d printing are saved in

Q

A

.ISO

A

.ASM

A

.IPT

A

.STL

Material in form of filament is used in

Q

A

Stereolithography

A

SLS

A

LOM

A

FDM

Sheets, ceramics, composites are used for rapid prototyping in

Q

A

Stereolithography

A

3d printing

A

LOM

A

FDM