

University of Mumbai

Examination 2020

Program: INFORMATION TECHNOLOGY

Curriculum Scheme: Rev2016

Examination: Third Year Semester V

Course Code: ITDLO5015 and Course Name: CGVRS

Time: 1 hour

Max. Marks: 50

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

Q1.	What is the use of DDA algorithm?
Option A:	Drawing rectangle
Option B:	Drawing Curve
Option C:	Drawing circle
Option D:	Drawing line
Q2.	Types of computer graphics are
Option A:	Vector and Raster
Option B:	Scalar and Raster
Option C:	Vector and Scalar
Option D:	Raster and Scalar
Q3.	Rays emitted by cathode ray tube are
Option A:	light
Option B:	radiations
Option C:	signals
Option D:	electrons
Q4.	In computer terminology, CRT stands for
Option A:	Cathode Ray Tube
Option B:	Computer Remote Terminal
Option C:	Combat Result Table
Option D:	Computerized regular Thermography
Q5.	The Cartesian slope-intercept equation for a straight line is
Option A:	$y = m.x + b$
Option B:	$y = b.x + m$
Option C:	$y = x.x + m$
Option D:	$y = b + m.m$
Q6.	On raster system, lines are plotted with
Option A:	Lines
Option B:	Dots
Option C:	Pixels
Option D:	Frames
Q7.	In 2D-translation, a point (x, y) can move to the new position (x', y') by using the equation
Option A:	$x'=x+dx$ and $y'=y+dx$

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Option B:	$x'=x+dx$ and $y'=y+dy$
Option C:	$X'=x+dy$ and $Y'=y+dx$
Option D:	$X'=x-dx$ and $y'=y-dy$
Q8.	Cohen Sutherland clipping algorithm computes _____ number of intersections than NLN line clipping.
Option A:	more
Option B:	less
Option C:	same
Option D:	can't be predicted
Q9.	Which vertex of the polygon is clipped first in polygon clipping?
Option A:	top right
Option B:	bottom right
Option C:	bottom left
Option D:	top left
Q10.	COP is called as
Option A:	Center of projection
Option B:	Center of protection
Option C:	Centroid of projection
Option D:	Cell of projection
Q11.	A transformation that slants the shape of an object is called
Option A:	Shear transformation
Option B:	Translation
Option C:	Reflection
Option D:	Rotation
Q12.	By which, we can take a view of an object from different directions and different distances?
Option A:	Projection
Option B:	Rotation
Option C:	Translation
Option D:	Scaling
Q13.	Michelle is in the process of adding tweens to her animation. Tweens are a characteristic of what type of animation?
Option A:	Vector animation
Option B:	AVI
Option C:	Animation
Option D:	Alpha
Q14.	Short films that use stop motion techniques are what type of animation?
Option A:	Frame-based animation
Option B:	HTML
Option C:	Animation
Option D:	Production

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Q15.	OpenGL stands for____
Option A:	Open Graphical Library
Option B:	Outer Graphics Library
Option C:	Open Graphics Library
Option D:	Output Graphics Library
Q16.	CAVE stands for
Option A:	Car automatic Virtual Environment
Option B:	Case automatic Virtual Environment
Option C:	Cave aided Virtual Environment
Option D:	Cave automatic Virtual Environment
Q17.	6-degree-of-freedom devices means
Option A:	Tracking devices
Option B:	Angular devices
Option C:	Freedom devices
Option D:	View devices
Q18.	Which is not a type of VR tracker?
Option A:	Electromagnetic tracker
Option B:	ultrasonic tracker
Option C:	infrared tracker
Option D:	temporary tracker
Q19.	The ____ is responsible for generating the image that a viewer sees
Option A:	viewer engine
Option B:	rendering engine
Option C:	graphics engine
Option D:	mathematical engine
Q20.	The VR system should support the frame rate of at least ____ frame/s.
Option A:	15
Option B:	10
Option C:	30 or more
Option D:	20
Q21.	The ____ controls how user navigates and interacts with the virtual environment
Option A:	user interface
Option B:	User activity
Option C:	user response
Option D:	user action
Q22.	A VRML comment is a ____ comment that must be on the first line of any VRML file
Option A:	multi-line
Option B:	paragraph

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Option C:	single-line
Option D:	description in detail
Q23.	VRML stands for
Option A:	Virtual reality modeling language
Option B:	Value reality modeling language
Option C:	Virtual robot model language
Option D:	Virtual robust modeling language
Q24.	CAM is an acronym used for
Option A:	Computer assisted manufacturing
Option B:	Computer added manufacturing
Option C:	Computer aided manufacturing
Option D:	Computer advanced manufacturing
Q25.	In ___ VR a simulated world runs on not one but many computer systems
Option A:	multi-layer
Option B:	centered
Option C:	distributed
Option D:	centralized