

National Testing Agency

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Computer Aided Design and Computer Aided Manufacturing

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Computer Aided Design and Computer Aided Manufacturing-1

Section Id :	512452871
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Mark As Answered Required? :	Yes
Sub-Section Number :	1
Sub-Section Id :	512452988
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 51245216714 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The Computer-Aided Design (CAD) hardware doesn't include

1. Graphic display terminals
2. Mouse
3. Computer programming
4. Keyboard

Options :

- 51245253739. 1
- 51245253740. 2
- 51245253741. 3
- 51245253742. 4

Question Number : 2 Question Id : 51245216715 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Digitizers generally use

1. Electrostatic Technology
2. Electromagnetic Technology
3. Magnetostrictive Technology
4. All of the above

Options :

51245253743. 1

51245253744. 2

51245253745. 3

51245253746. 4

Question Number : 3 Question Id : 51245216716 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Modern CAD systems are based on:

1. ICG

2. GCI

3. GIF

4. IFG

Options :

51245253747. 1

51245253748. 2

51245253749. 3

51245253750. 4

Question Number : 4 Question Id : 51245216717 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The computer communicates with the user via:

1. CPU

2. CRT

3. Storage Device

4. Display button

Options :

51245253751. 1

51245253752. 2

51245253753. 3

51245253754. 4

Question Number : 5 Question Id : 51245216718 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which item best describes a CAM technology?

1. Numerical control
2. Documentation
3. Drafting
4. Geometric modeling

Options :

51245253755. 1

51245253756. 2

51245253757. 3

51245253758. 4

Question Number : 6 Question Id : 51245216719 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

CAD/CAM is the relationship between

1. Science and Engineering
2. Manufacturing and Marketing
3. Design and Manufacturing
4. Design and Marketing

Options :

51245253759. 1

51245253760. 2

51245253761. 3

51245253762. 4

Question Number : 7 Question Id : 51245216720 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the rapid prototyping processes does NOT use laser?

1. LOM
2. SLA
3. SLS
4. FDM

Options :

- 51245253763. 1
- 51245253764. 2
- 51245253765. 3
- 51245253766. 4

Question Number : 8 Question Id : 51245216721 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which two disciplines are tied by a common database?

1. Documentation and Geometric Modeling
2. CAD and CAM
3. Drafting and Documentation
4. None of the mentioned above

Options :

- 51245253767. 1
- 51245253768. 2
- 51245253769. 3
- 51245253770. 4

Question Number : 9 Question Id : 51245216722 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The term that is used for geometric modeling like solid modeling, wire frame modeling and drafting is known as

1. Graphics Software
2. Operating System
3. Control System
4. None of the above

Options :

- 51245253771. 1
- 51245253772. 2
- 51245253773. 3
- 51245253774. 4

Question Number : 10 Question Id : 51245216723 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The system environment in a mainframe computer consists of

1. Central Processing
2. Storage Devices
3. Printers and Plotters
4. Both Central Processing and Storage Devices

Options :

- 51245253775. 1
- 51245253776. 2
- 51245253777. 3
- 51245253778. 4

Question Number : 11 Question Id : 51245216724 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

During the execution of a CNC part program block NO20, G02, X45.0, Y25.0, R5.0 the type of tool motion will be

1. Circular Interpolation – Clockwise
2. Circular Interpolation – Counter Clockwise
3. Linear Interpolation
4. Rapid Feed

Options :

- 51245253779. 1
- 51245253780. 2
- 51245253781. 3
- 51245253782. 4

Question Number : 12 Question Id : 51245216725 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The software that performs data entry, design, analysis, drafting and manufacturing functions is known as

1. Operating Software
2. Graphics Software
3. Application Software
4. Programming Software

Options :

- 51245253783. 1
- 51245253784. 2
- 51245253785. 3
- 51245253786. 4

Question Number : 13 Question Id : 51245216726 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In the following three- dimensional techniques, which do not require much computer memory and time

1. Wire frame modelling
2. Drafting
3. Surface modelling
4. All of the above

Options :

- 51245253787. 1
- 51245253788. 2
- 51245253789. 3
- 51245253790. 4

Question Number : 14 Question Id : 51245216727 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

NC contouring is an example of

1. Continuous Path Positioning
2. Point-to-Point Positioning
3. Absolute Positioning
4. Incremental Positioning

Options :

- 51245253791. 1
- 51245253792. 2
- 51245253793. 3
- 51245253794. 4

Question Number : 15 Question Id : 51245216728 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Match the following NC code with its definition :

List I	List II
NC code	Definition
A. M05	I. Absolute coordinate system
B. G01	II. Dwell
C. G04	III. Spindle stop
D. G09	IV. Linear interpolation

Choose the **correct** answer from the options given below:

1. A - II, B - III, C - IV, D - I
2. A - III, B - IV, C - I, D - II
3. A - III, B - IV, C - II, D - I
4. A - IV, B - III, C - II, D - I

Options :

- 51245253795. 1
- 51245253796. 2
- 51245253797. 3
- 51245253798. 4

Question Number : 16 Question Id : 51245216729 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

B-Rep and C-Rep are methods of

1. Solid Modeling
2. Surface Modeling
3. Wire Frame Modeling
4. 2D Modeling

Options :

- 51245253799. 1
- 51245253800. 2
- 51245253801. 3
- 51245253802. 4

Question Number : 17 Question Id : 51245216730 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which is/are Rapid Prototyping Technique/(s), from the ones that are given below?

- 1. Stereolithography
- 2. Laminated Object Manufacturing
- 3. 3D Printing
- 4. All of the above

Options :

- 51245253803. 1
- 51245253804. 2
- 51245253805. 3
- 51245253806. 4

Question Number : 18 Question Id : 51245216731 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one is best suited for use with the paper of large size and for complex drawings in Computer-Aided Design?

- 1. Dot-Matrix printer
- 2. Laser printer
- 3. Pen plotter
- 4. Ink-Jet printer

Options :

51245253807. 1

51245253808. 2

51245253809. 3

51245253810. 4

Question Number : 19 Question Id : 51245216732 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT an output device?

1. Monitor
2. Touchscreen
3. Printer
4. Plotter

Options :

51245253811. 1

51245253812. 2

51245253813. 3

51245253814. 4

Question Number : 20 Question Id : 51245216733 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following printers is known to press characters or dots against an inked ribbon onto a paper by means of a mechanical head of retracting pins?

1. Dot-matrix
2. Ink-Jet
3. Laser
4. Thermal

Options :

51245253815. 1

51245253816. 2

51245253817. 3

51245253818. 4

Question Number : 21 Question Id : 51245216734 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which device does the general population associate most with automation?

1. Flexible manufacturing
2. Robots
3. Numerical control machine
4. Computer graphics work station

Options :

51245253819. 1

51245253820. 2

51245253821. 3

51245253822. 4

Question Number : 22 Question Id : 51245216735 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

CAM stands for

1. Computer Adapter Machining
2. Computer Aided Mapping
3. Computer Access Mode
4. Computer Aided Manufacturing

Options :

51245253823. 1

51245253824. 2

51245253825. 3

51245253826. 4

Question Number : 23 Question Id : 51245216736 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Group technology brings together and organizes

1. Common parts, problems and tasks
2. Automation and tool production
3. Documentation and analysis
4. Parts and simulation analysis

Options :

- 51245253827. 1
- 51245253828. 2
- 51245253829. 3
- 51245253830. 4

Question Number : 24 Question Id : 51245216737 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Numerical control _____

1. applies only to milling machines
2. is a method for producing exact number of parts per hour
3. is a method for controlling by means of set of instructions
4. None of the above

Options :

- 51245253831. 1
- 51245253832. 2
- 51245253833. 3
- 51245253834. 4

Question Number : 25 Question Id : 51245216738 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Computer will perform the data processing functions in

1. NC
2. CNC
3. DNC
4. All of the above

Options :

- 51245253835. 1
- 51245253836. 2
- 51245253837. 3
- 51245253838. 4

Question Number : 26 Question Id : 51245216739 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The machine tool, in which calculation and setting of the operating conditions like depth of cut, feed, speed are done during the machining by the control system itself, is called

1. Computer Numerical Control System
2. Direct Numerical Control System
3. Machining Center System
4. Adaptive Control System

Options :

- 51245253839. 1
- 51245253840. 2
- 51245253841. 3
- 51245253842. 4

Question Number : 27 Question Id : 51245216740 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the operation of a machine tool by a series of coded instructions called?

1. Numerical Control
2. Machining Control
3. Closed Loop Control
4. Open Loop Control

Options :

- 51245253843. 1
- 51245253844. 2
- 51245253845. 3
- 51245253846. 4

Question Number : 28 Question Id : 51245216741 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Flexible manufacturing systems and cells are generally applied in which one of the following areas?

1. High variety and low volume production
2. Low variety
3. Low volume
4. Mass production

Options :

- 51245253847. 1
- 51245253848. 2
- 51245253849. 3
- 51245253850. 4

Question Number : 29 Question Id : 51245216742 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

From the following, which is/are the main component/(s) of Flexible Manufacturing System (FMS)?

1. Main frame computer
2. Automated guided vehicle
3. Material handling system
4. All of the above

Options :

- 51245253851. 1
- 51245253852. 2
- 51245253853. 3
- 51245253854. 4

Question Number : 30 Question Id : 51245216743 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Among the following, what is the full form of AGV?

1. Automatic Guided Vehicle
2. Automated Gas Vehicle
3. Automated Guided Vehicle
4. None of the above

Options :

- 51245253855. 1
- 51245253856. 2
- 51245253857. 3
- 51245253858. 4

Question Number : 31 Question Id : 51245216744 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

CAD/CAM can find application in

1. Shop floor control
2. Material requirements planning
3. Automated drafting
4. All of the above

Options :

- 51245253859. 1
- 51245253860. 2
- 51245253861. 3
- 51245253862. 4

Question Number : 32 Question Id : 51245216745 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Flexible manufacturing allows

1. Quick and inexpensive product changes
2. Tool design and tool production
3. Factory management
4. Automated design

Options :

- 51245253863. 1
- 51245253864. 2
- 51245253865. 3
- 51245253866. 4

Question Number : 33 Question Id : 51245216746 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Laser beam storage involves

1. Metal film strip
2. Carbon strip
3. Magnetic drum
4. Magnetic tape

Options :

- 51245253867. 1
- 51245253868. 2
- 51245253869. 3
- 51245253870. 4

Question Number : 34 Question Id : 51245216747 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The colour on CRT screen is obtained by the combination of

1. Red, yellow, blue
2. Red, green, blue
3. Green, black, yellow
4. Red, black, yellow

Options :

- 51245253871. 1
- 51245253872. 2
- 51245253873. 3
- 51245253874. 4

Question Number : 35 Question Id : 51245216748 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Who formulated the SIX ground rules to be considered in designing graphics software?

1. Newman and Sproull
2. Schaffer G
3. Fitzgerald W
4. Krouse and Lerro

Options :

- 51245253875. 1
- 51245253876. 2
- 51245253877. 3
- 51245253878. 4

Question Number : 36 Question Id : 51245216749 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What does GUI stand for?

1. Graphic User Instruction
2. Ground User Interface
3. General User Instruction
4. Graphical User Interface

Options :

- 51245253879. 1
- 51245253880. 2
- 51245253881. 3
- 51245253882. 4

Question Number : 37 Question Id : 51245216750 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT a point-and-draw device?

1. Keypad
2. Track ball
3. Touch Screen
4. Mouse

Options :

- 51245253883. 1
- 51245253884. 2
- 51245253885. 3
- 51245253886. 4

Question Number : 38 Question Id : 51245216751 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A device used for video games, flight simulators, training simulators and for controlling industrial robots is

1. Mouse
2. Light Pen
3. Joy Stick
4. Keyboard

Options :

- 51245253887. 1
- 51245253888. 2
- 51245253889. 3
- 51245253890. 4

Question Number : 39 Question Id : 51245216752 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which are the input devices that enable direct data entry into a Computer System?

1. Data scanning devices
2. Data retrieving devices
3. Data acquiring devices
4. System access devices

Options :

- 51245253891. 1
- 51245253892. 2
- 51245253893. 3
- 51245253894. 4

Question Number : 40 Question Id : 51245216753 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

These devices provide a means of communication between a computer and the outer world.

1. Input/Output Devices
2. Storage
3. Compact
4. Drivers

Options :

- 51245253895. 1
- 51245253896. 2
- 51245253897. 3
- 51245253898. 4

Question Number : 41 Question Id : 51245216754 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

From following, which modeller defines model without mass properties

1. Wire frame
2. Primitive
3. B-Rep
4. CSG

Options :

- 51245253899. 1
- 51245253900. 2
- 51245253901. 3
- 51245253902. 4

Question Number : 42 Question Id : 51245216755 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The model which is created by using basic entities of two dimensioning is called

1. Surface Model
2. Wireframe Model
3. Solid Model
4. Isometric Model

Options :

- 51245253903. 1
- 51245253904. 2
- 51245253905. 3
- 51245253906. 4

Question Number : 43 Question Id : 51245216756 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

When every entity of a geometric model remains parallel to its initial position, the transformation is called as

1. Scaling
2. Translation
3. Rotation
4. Mirror

Options :

- 51245253907. 1
- 51245253908. 2
- 51245253909. 3
- 51245253910. 4

Question Number : 44 Question Id : 51245216757 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The number of line required to represent a cube in wireframe model is

1. 8
2. 6
3. 12
4. 16

Options :

- 51245253911. 1
- 51245253912. 2
- 51245253913. 3
- 51245253914. 4

Question Number : 45 Question Id : 51245216758 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following are ways of representing 3D Objects?

1. Wire models
2. Surface models
3. Solid models
4. All of the above

Options :

- 51245253915. 1
- 51245253916. 2
- 51245253917. 3
- 51245253918. 4

Question Number : 46 Question Id : 51245216759 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

CNC drilling machine is considered to be a

1. Point-to-Point Controlled Machine
2. Straight Line Controlled Machine
3. Continuous Path Controlled Machine
4. Servo-Controlled Machine

Options :

- 51245253919. 1
- 51245253920. 2
- 51245253921. 3
- 51245253922. 4

Question Number : 47 Question Id : 51245216760 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

CAPP stands for

1. Computer Aided Product Planing
2. Computer Aided Process Planning
3. Computer Aided Productive Planning
4. Computer Aided Product Process

Options :

- 51245253923. 1
- 51245253924. 2
- 51245253925. 3
- 51245253926. 4

Question Number : 48 Question Id : 51245216761 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is an area of Engineering and Science which understands the different principles, structure and programming of a Robot.

1. Mechatronics
2. Robotics
3. Aeronautics
4. None of the above

Options :

- 51245253927. 1
- 51245253928. 2
- 51245253929. 3
- 51245253930. 4

Question Number : 49 Question Id : 51245216762 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The raster CRT eliminates

1. Flicker and slow update
2. Flicker only
3. Slow update only
4. Has no effect

Options :

- 51245253931. 1
- 51245253932. 2
- 51245253933. 3
- 51245253934. 4

Question Number : 50 Question Id : 51245216763 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

_____ is a general purpose programmable machine possessing certain human like characteristics.

1. Robot
2. Manipulator
3. Cripper
4. None of the above

Options :

- 51245253935. 1
- 51245253936. 2
- 51245253937. 3
- 51245253938. 4

Question Number : 51 Question Id : 51245216764 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The linking of computer with a communication system is called

1. Networking
2. Pairing
3. Interlocking
4. Assembling

Options :

51245253939. 1
51245253940. 2
51245253941. 3
51245253942. 4

Question Number : 52 Question Id : 51245216765 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Flexible Manufacturing Systems (FMS) are reported to have a number of benefits.
Which is NOT a reported benefit of FMS?

1. Lead time and throughput time reduction
2. Increased quality
3. Requirement of skilled labour
4. Increased utilisation

Options :

51245253943. 1
51245253944. 2
51245253945. 3
51245253946. 4

Question Number : 53 Question Id : 51245216766 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which material-processing technology gives the advantage of precision, accuracy and optimum use of cutting tools, which maximise their life and higher labour productivity?

1. Flexible Manufacturing Systems (FMS)
2. Computer-Integrated Manufacturing (CIM)
3. NC and CNC Machine Tools
4. Industrial Robots

Options :

- 51245253947. 1
- 51245253948. 2
- 51245253949. 3
- 51245253950. 4

Question Number : 54 Question Id : 51245216767 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What do Flexible Manufacturing Systems (FMS) do?

1. Co-ordinate the whole process of manufacturing and manufactures a part, component or product
2. Completely manufacture a range of components without significant human intervention during the processing
3. Move materials between operations
4. Move and manipulate products, parts or tools

Options :

- 51245253951. 1
- 51245253952. 2
- 51245253953. 3
- 51245253954. 4

Question Number : 55 Question Id : 51245216768 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the name of a system which brings together several technologies into a coherent system?

1. Automated Integration Systems
2. Portable Manufacturing Systems
3. Flexible Manufacturing Systems
4. Focused Integration Systems

Options :

- 51245253955. 1
- 51245253956. 2
- 51245253957. 3
- 51245253958. 4

Question Number : 56 Question Id : 51245216769 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The main objective of an Industrial Robot is

1. To minimise the labour requirement
2. To increase productivity
3. To enhance the life of production machines
4. All of the above

Options :

- 51245253959. 1
- 51245253960. 2
- 51245253961. 3
- 51245253962. 4

Question Number : 57 Question Id : 51245216770 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Industrial Robots are generally designed to carry which of the following coordinate systems.

1. Cartesian coordinate systems
2. Polar coordinate systems
3. Cylindrical coordinate systems
4. All of the above

Options :

- 51245253963. 1
- 51245253964. 2
- 51245253965. 3
- 51245253966. 4

Question Number : 58 Question Id : 51245216771 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A robot designed with polar coordinate systems has

1. Three linear movements
2. Three rotational movements
3. Two linear and one rotational movement
4. Two rotational and one linear movement

Options :

- 51245253967. 1
- 51245253968. 2
- 51245253969. 3
- 51245253970. 4

Question Number : 59 Question Id : 51245216772 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT a programming language for computer controlled robot?

1. AMU
2. VAL
3. RAIL
4. HELP

Options :

51245253971. 1
51245253972. 2
51245253973. 3
51245253974. 4

Question Number : 60 Question Id : 51245216773 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In a Graphical System, the array of pixels in the picture is stored in

1. Memory
2. Frame Buffer
3. Processor
4. None of the above

Options :

51245253975. 1
51245253976. 2
51245253977. 3
51245253978. 4

Question Number : 61 Question Id : 51245216774 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Numerical control can be applied to

1. Milling Machines
2. Drilling and Boring Machines
3. Grinding and Sawing Machines
4. All of the above

Options :

51245253979. 1

51245253980. 2

51245253981. 3

51245253982. 4

Question Number : 62 Question Id : 51245216775 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is an application of Robot?

1. Welding
2. Machine loading and unloading
3. Both 1 & 2
4. None of the above

Options :

51245253983. 1

51245253984. 2

51245253985. 3

51245253986. 4

Question Number : 63 Question Id : 51245216776 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Three dimensional representation of an object is termed as

1. Automated drafting
2. Engineering analysis
3. Geometric modeling
4. None of the above

Options :

- 51245253987. 1
- 51245253988. 2
- 51245253989. 3
- 51245253990. 4

Question Number : 64 Question Id : 51245216777 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The creation of hard copy engineering drawings directly from the CAD database is known as

1. Engineering analysis
2. Automated drafting
3. Geometric modeling
4. Design review and evaluation

Options :

- 51245253991. 1
- 51245253992. 2
- 51245253993. 3
- 51245253994. 4

Question Number : 65 Question Id : 51245216778 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The advantage of Computer Aided Design is

1. Better quality of design
2. Improved productivity of the designer
3. Creation of a data base for manufacturing
4. All of the above

Options :

- 51245253995. 1
- 51245253996. 2
- 51245253997. 3
- 51245253998. 4

Question Number : 66 Question Id : 51245216779 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The nerve center or brain of any computer system is known as

1. CPU
2. Storage device
3. ALU
4. Monitor

Options :

- 51245253999. 1
- 51245254000. 2
- 51245254001. 3
- 51245254002. 4

Question Number : 67 Question Id : 51245216780 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

DVST stands for

1. Digital View Storing Table
2. Direct Visual Storage Tube
3. Direct View Storage Tube
4. Digital View Storage Tube

Options :

- 51245254003. 1
- 51245254004. 2
- 51245254005. 3
- 51245254006. 4

Question Number : 68 Question Id : 51245216781 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A potentiometric device that contains sets of variable registers which feed signals that indicate the device position to the computer is known as

1. Track Ball
2. Mouse
3. Joystick
4. All of the above

Options :

- 51245254007. 1
- 51245254008. 2
- 51245254009. 3
- 51245254010. 4

Question Number : 69 Question Id : 51245216782 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following devices does NOT produce a hard copy?

1. Impact Printers
2. Plotters
3. CRT Terminals
4. Non-Impact Printers

Options :

- 51245254011. 1
- 51245254012. 2
- 51245254013. 3
- 51245254014. 4

Question Number : 70 Question Id : 51245216783 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The software that is used to control the computer's work flow, organize its data and perform house keeping functions is known as

1. Operating Software
2. Graphics Software
3. Application Software
4. Programming Software

Options :

- 51245254015. 1
- 51245254016. 2
- 51245254017. 3
- 51245254018. 4

Question Number : 71 Question Id : 51245216784 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following power sources is used in robotic actuator?

1. Electrical Power Source
2. Pneumatic Power Source
3. Hydraulic Power Source
4. All of the above

Options :

- 51245254019. 1
- 51245254020. 2
- 51245254021. 3
- 51245254022. 4

Question Number : 72 Question Id : 51245216785 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Productivity improvement in CAD as compared to the traditional design process is dependent on

1. Complexity of engineering drawing
2. Degree of repetitiveness in the designed parts
3. Degree of symmetry in the parts
4. All of the above

Options :

- 51245254023. 1
- 51245254024. 2
- 51245254025. 3
- 51245254026. 4

Question Number : 73 Question Id : 51245216786 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In which graphic terminal, selective erase is NOT possible?

1. Direct beam refresh
2. DVST
3. Raster scan
4. All of the above

Options :

- 51245254027. 1
- 51245254028. 2
- 51245254029. 3
- 51245254030. 4

Question Number : 74 Question Id : 51245216787 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following motors is used in robotic actuator?

1. Synchronous Motor
2. Stepper Motor
3. AC Servo Motor
4. All of the above

Options :

- 51245254031. 1
- 51245254032. 2
- 51245254033. 3
- 51245254034. 4

Question Number : 75 Question Id : 51245216788 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The repeatability of NC machine depends on

1. Control Loop Errors
2. Mechanical Errors
3. Electrical Errors
4. None of the above

Options :

- 51245254035. 1
- 51245254036. 2
- 51245254037. 3
- 51245254038. 4

Question Number : 76 Question Id : 51245216789 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following types of mouse is a battery-powered device that transmits data using wireless technology such as radio waves or infrared light waves?

1. Mechanical Mouse
2. Optical Mouse
3. Cordless Mouse
4. Trackball

Options :

- 51245254039. 1
- 51245254040. 2
- 51245254041. 3
- 51245254042. 4

Question Number : 77 Question Id : 51245216790 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A system that automates the drafting process with interactive computer graphics is called

1. Computer Aided Engineering (CAE)
2. Computer Aided Design (CAD)
3. Computer Aided Manufacturing (CAM)
4. Computer Aided Instruction (CAI)

Options :

- 51245254043. 1
- 51245254044. 2
- 51245254045. 3
- 51245254046. 4

Question Number : 78 Question Id : 51245216791 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

A Pixel is

1. a computer program that draws picture
2. a picture stored in secondary memory
3. a smallest resolvable part of a picture
4. None of the above

Options :

- 51245254047. 1
- 51245254048. 2
- 51245254049. 3
- 51245254050. 4

Question Number : 79 Question Id : 51245216792 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The term UCS stands for

1. User Coordinate State
2. Using Coordinates Screen
3. User Coordinate System
4. User Coordinate Set

Options :

- 51245254051. 1
- 51245254052. 2
- 51245254053. 3
- 51245254054. 4

Question Number : 80 Question Id : 51245216793 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Grippers are used to _____

1. Hold the objects
2. Sense the objects
3. Move the objects
4. Both 1 & 3

Options :

- 51245254055. 1
- 51245254056. 2
- 51245254057. 3
- 51245254058. 4

Question Number : 81 Question Id : 51245216794 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following contains a cross hair sight?

1. Digitizier
2. Mouse
3. Stylus
4. None of the above

Options :

- 51245254059. 1
- 51245254060. 2
- 51245254061. 3
- 51245254062. 4

Question Number : 82 Question Id : 51245216795 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Full form of CNC is

1. Computer Number Control
2. Computer Numerical Control
3. Computer Numerical Centre
4. None of the above

Options :

- 51245254063. 1
- 51245254064. 2
- 51245254065. 3
- 51245254066. 4

Question Number : 83 Question Id : 51245216796 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

DNC stands for

1. Direct Numerical Contact
2. Direct Number Control
3. Direct Numerical Control
4. None of the above

Options :

- 51245254067. 1
- 51245254068. 2
- 51245254069. 3
- 51245254070. 4

Question Number : 84 Question Id : 51245216797 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

In CNC machine tool, the part program entered into the computer memory

1. can be used only once
2. can be used again and again without modification
3. can be used again but it has to be modified every time
4. None of the above

Options :

- 51245254071. 1
- 51245254072. 2
- 51245254073. 3
- 51245254074. 4

Question Number : 85 Question Id : 51245216798 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Several machine tools can be controlled by a central computer in

1. NC
2. CNC
3. DNC
4. CCNC

Options :

51245254075. 1
51245254076. 2
51245254077. 3
51245254078. 4

Question Number : 86 Question Id : 51245216799 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Sensors are the transducers that are used to _____

1. Measure physical quantity
2. Hold the objects
3. Fix the objects
4. None of the above

Options :

51245254079. 1
51245254080. 2
51245254081. 3
51245254082. 4

Question Number : 87 Question Id : 51245216800 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one is NOT related to Rapid Prototyping Definition?

1. Layer by Layer
2. Physical Model
3. 3D CAD Data
4. Production Data

Options :

- 51245254083. 1
- 51245254084. 2
- 51245254085. 3
- 51245254086. 4

Question Number : 88 Question Id : 51245216801 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the advantage of FMS?

1. Reduced manufacturing cost
2. Greater labour productivity
3. Increased system reliability
4. All of the above

Options :

- 51245254087. 1
- 51245254088. 2
- 51245254089. 3
- 51245254090. 4

Question Number : 89 Question Id : 51245216802 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

What is the full form of CIM?

1. Computer Interface Manufacturing
2. Computer Integrated Method
3. Computer Integrated Manufacturing
4. Computer Integral Manufacturing

Options :

- 51245254091. 1
- 51245254092. 2
- 51245254093. 3
- 51245254094. 4

Question Number : 90 Question Id : 51245216803 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which of the following is NOT an advantage of industrial robots?

1. Can be used in hazardous conditions
2. Flexibility in routing
3. Gives greater accuracy and repeatability
4. All of the above

Options :

- 51245254095. 1
- 51245254096. 2
- 51245254097. 3
- 51245254098. 4

Question Number : 91 Question Id : 51245216804 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Advantage of Numerical Control Machine is

1. Reduced non productive time
2. Reduced fixturing
3. Improved quality control
4. All of the above

Options :

- 51245254099. 1
- 51245254100. 2
- 51245254101. 3
- 51245254102. 4

Question Number : 92 Question Id : 51245216805 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following does NOT come under CAD design process?

1. Recognition of need
2. Synthesis
3. Programming
4. Evaluation

Options :

- 51245254103. 1
- 51245254104. 2
- 51245254105. 3
- 51245254106. 4

Question Number : 93 Question Id : 51245216806 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following is NOT a CRT technique?

1. Beam Penetration
2. Shadow - Mask
3. Raster Scan
4. Image Scan

Options :

- 51245254107. 1
- 51245254108. 2
- 51245254109. 3
- 51245254110. 4

Question Number : 94 Question Id : 51245216807 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one is NOT in CAD software?

1. Auto CAD
2. Solid works
3. Fusion 360
4. Pro - E

Options :

- 51245254111. 1
- 51245254112. 2
- 51245254113. 3
- 51245254114. 4

Question Number : 95 Question Id : 51245216808 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Which one of the following graphic display devices provides high resolution?

1. Electroluminescent Display
2. Plasma Panel Display
3. LED
4. LCD

Options :

- 51245254115. 1
- 51245254116. 2
- 51245254117. 3
- 51245254118. 4

Question Number : 96 Question Id : 51245216809 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

All of the following are the disadvantages of NC machines, EXCEPT

1. High Investment Cost
2. Higher Maintenance Cost
3. Trained Manpower Requirement
4. Reduced Inventory

Options :

- 51245254119. 1
- 51245254120. 2
- 51245254121. 3
- 51245254122. 4

Question Number : 97 Question Id : 51245216810 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The full form of MCU is

1. Machine Computer Unit
2. Machine Control Universal
3. Machine Control Unit
4. None of the above

Options :

- 51245254123. 1
- 51245254124. 2
- 51245254125. 3
- 51245254126. 4

Question Number : 98 Question Id : 51245216811 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The pen is a small input device used to select and display objects on the screen.

1. Ink
2. Magnetic
3. Light
4. None of the above

Options :

- 51245254127. 1
- 51245254128. 2
- 51245254129. 3
- 51245254130. 4

Question Number : 99 Question Id : 51245216812 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

The device, primarily used to provide a hard copy is the

1. CRT
2. Computer Console
3. Printer
4. Card Reader

Options :

- 51245254131. 1
- 51245254132. 2
- 51245254133. 3
- 51245254134. 4

Question Number : 100 Question Id : 51245216813 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0

Expansion of LCD is

1. Liquid Crystal Display
2. Light Crystal Display
3. Light Cartesian Display
4. Liquid Cartesian Display

Options :

- 51245254135. 1
- 51245254136. 2
- 51245254137. 3
- 51245254138. 4