Q.25 Explain Geometric modelling with suitable example

Q.26 Classify Data structures

Q.27 Explain in brief various output CAD hardware devices

Q.28 Write a short note on LED

Q.29 List few benefits and applications of CAD

Q.30 Explain UCS Co-ordinate system

Q.31 Explain scaling Geometric transformation

Q.32 Differentiate between open and closed loop control systems

Q.33 Explain Translation in 2 D Geometric transformation

Q.34 Explain D.B.M.S

Q.35 Write a short note on :

a) Light Pen

b) Graphic Tables

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Explain various CAD Hardware Input devices in detail?

Q.37 Compare Solid frame and Wire Frame Modeling with neat sketch?

Q.38 Explain Rotation Geometric Transformations?

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Roll No. .....

CAD / CAM

Subject:- Computer Aided Design

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

Q.1 CAD is defined as:

a) Computer aides drawing

b) Computer aided design

c) Computer aided drafting

d) None of above

Q.2 Motor generally used in open loop control system is:

a) Servo b) Stepper

c) Induction d) None of above

Q.3 CPU stands for:

a) Central Performance unit

b) Central Processing unit

c) both a and b

d) None of above

Q.4 Touch panel is an:

a) Input device b) output device

c) Both a and b d) None of above

Q.5 DBMS is defined as:

a) Database Management System

b) Relational management system

c) Both a and b

d) None of above

Q.6 CAM is :

a) Computer aided Manufacturing

b) Computer aided modeling

c) Computer aided drafting

d) None of above

Q.7 Mouse is an example of:

a) Input device b) output device

c) Both a and b d) None of above

Q.8 G00 Code is used for:

a) Rapid Positioning b) Linear Interpolation

c) Both a and b d) None of above

Q.9 LCD is defined as:

a) Liquid cathode Displays

b) Liquid crystal Displays

c) Both a and b

d) None of above

Q.10 WCS stands for:

a) Word Co-ordinate system

b) Working Computer system

c) Working Co-ordinate system

d) None of above

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 Define Automation

Q.12 List one application of computer in design.

Q.13 Define open loop control system.

Q.14 What is the use of trackball

Q.15 Define plasma panel displays

Q.16 What is closed loop control system?

Q.17 Which code is used for linear Interpolation.

Q.18 Define Geometric Modelling

Q.19 Name various Geometric Transformations

Q.20 What is Rotation in GT

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Explain in brief Solid frame modelling.

Q.22 Explain Concatenation

Q.23 Write a short note on Data Structures

Q.24 Explain any five basic CAD Commands in brief