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BDFDC 255

**Credit Based IV Semester B.Sc.(FD) Examination, September 2022
COMPUTER APPLICATION DESIGN – I**

Time : 3 Hours

Max. Marks : 80

PART – A

I. Answer **any three** of the following :

(12×3=36)

- 1) What is a plotter ? And also explain the different types of plotters used in computer graphics.
- 2) What is an input device ? And also explain the different types of input devices used for CAD.
- 3) Explain the various functions of a graphics package.
- 4) Explain with help of a neat diagram the concept of manufacturing database.

PART – B

II. Answer **any four** of the following :

(6×4=24)

- 5) Define design work station. Explain with example.
- 6) Write any three methods of constructing the geometry.
- 7) With the help of a neat diagram, explain the CPU of a computer system in detail.
- 8) What are the benefits of CAD in designing ?
- 9) Explain any two types of graphics terminals used for CAD.
- 10) Explain what are programmable controllers ?
- 11) What is solid modelling ? Explain with examples.

P.T.O.



PART – C

III. Write a short notes on **any five** of the following :

(4×5=20)

- a) Secondary memory
 - b) Raster scan terminals
 - c) Transformations
 - d) Light pen
 - e) Micro computers
 - f) Computer programming languages
 - g) Analysis and optimization in design process.
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