

[LH 0815]

AUGUST 2015

Sub. Code: 2431

BACHELOR IN PROSTHETICS & ORTHOTICS (BPO)

THIRD YEAR

PAPER I – COMPUTER SCIENCE

Q.P. Code: 802431

Time: Three Hours

Maximum : 100 Marks

Answer all Questions

I. Elaborate on:

(3 x 10 = 30)

1. What are the various communication devices that are used to transmit information from one network to another? Explain each.
2. What do you understand by primary and secondary storage devices in computers? Name any five of each.
3. Explain the advantages and disadvantages of CNC, List the major parts of CNC machine tools.

II. Write notes on:

(8 x 5 = 40)

1. Explain on Input and output devices.
2. Draw and explain laser printer.
3. Explain the classification of computers. What are the characteristics of computer that differentiate it from all other electronic devices?
4. What is word processing? Describe any five features of word processor.
5. Explain CAD-CAM technologies. Describe product cycle with detailed diagram.
6. Explain various dimensioning commands in 2D Auto CAD with syntax.
7. Write the difference between “rectangular array” and “polar array” commands.
8. List the variety of CNC machines available for product machining.

III. Short answers on:

(10 x 3 = 30)

1. Describe different ways for creating presentation using MS-PowerPoint
2. Explain on spreadsheet and its features.
3. Write a short note on Central Processing Unit.
4. Write the role and application of fillet and chamfer commands in 2D?
5. Explain about NC / CNC / DNC systems.
6. Advantages of CNC machine tools.
7. Explain various options available in ZOOM command.
8. Explain with simple component that the CAD/CAM be the best application software for your prosthetics and Orthotics.
9. Explain in brief solid modeling.
10. Explain Autoscanner and its uses in prosthetics.
