Rajiv Gandhi University of Health Sciences, Karnataka
III Year Bachelor in Prosthetics and Orthotics Degree Examination – SEP-2019

Time: Three Hours   **Max. Marks: 100 Marks**

COMPUTER SCIENCE (REVISED SYLLABUS
(Revised Scheme-2)
Q.P. CODE: 2824

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

ESSAYS TYPE (answer any Two)   **2 x 10 = 20 Marks**

1. Explain the parts of a CNC machine in detail.
2. Mention the different types of command on modify tool bar with short cuts respectively.
3. What is the purpose of using Photoshop? Differentiate between RGB and CMYK Colour modes? Explain 8 but colour mode?

SHORT ESSAYS TYPE (answer any Ten)   **10 X 5 = 50 Marks**

4. Define Computer Hardware and Software? What is the full form of RAM? Where is data stored in a Computer?
5. What is Raster and Vector Images?
6. Explain the meaning of Isometric Projection? And its uses?
7. Explain the evolution of machines in CAM.
8. Explain the use of the following commands.
   a) Block b) Explode c) Mirror d) Copy
9. Explain the importance of CAD/CAM in the field of P&O.
10. What is carver? Explain the use and its function?
11. What do you understand by texting?
12. Write a note about CPU and describe different units associated with it.
13. Explain the working process of CNC machine.
14. Write few lines about the networking of computers.
15. Differentiate between of CNC and NC machines.

SHORT ANSWERS TYPE (answer any Ten)   **10 x 3 = 30 Marks**

16. What are the different types of circle command?
17. Name few CNC machines.
18. What is the use of Adobe Photoshop? What is RGB and CMYK?
19. Describe the use of Object snap? Explain in detail.
20. How to open a new AutoCAD file and save it? And specify the AutoCAD drawing format.
21. Differentiate between Server and Client?
22. Advantages of DNC over CNC machines.
23. What is Pixel and resolution of an image?
24. What is meant by rectangular array? Give an example.
25. Explain the different types of storage system.
26. What is the use of copy command and mention its shortcut?
27. What are the different styles we can create in AutoCAD? What is the use of creating styles?

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