

Bachelor of Computer Application (B.C.A.-I) First Semester (Old)  
**1BCA3 - Trends in Information Technology Paper-III**

P. Pages : 2

Time : Three Hours



**GUG/W/18/1092**

Max. Marks : 80

- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram and use supporting data wherever necessary.
  3. Avoid vague answers and write specific answer related to question.

**1. Either**

- a) Define computer. Explain mainframe and mini computer in detail. **8**
- b) Write a short note on **8**
  - i) Optical Disk
  - ii) Pen Drive.

**OR**

- c) What is CPU? Explain function of each unit of CPU in detail. **8**
- d) Explain sequential and Random storage in detail. **8**

**2. Either**

- a) What is scanning devices? Explain Barcode reader and OMR in detail. **8**
- b) Explain laser printer and Inkjet printer in detail. **8**

**OR**

- c) What is the function of Input device? Explain mouse in detail. **8**
- d) Explain the following vision capturing devices in detail. **8**
  - i) Webcam
  - ii) Digital Camera.

**3. Either**

- a) Define the term mobile Internet. Explain the advantages of mobile internet. **8**
- b) Explain in detail. **8**
  - i) Nanotechnology.
  - ii) Virtual Reality.

**OR**

- c) Define the term open source software. Explain firewall in detail. **8**
- d) Explain the advantages and disadvantages of social Networking. **8**

**4. Either**

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|--|----------|
| a) What is Distributed computing? Explain in detail. | <b>8</b> |
| b) Write a short note on                             | <b>8</b> |
| i) Neural Network.                                   |          |
| ii) Grid computing.                                  |          |

**OR**

- |  |          |
|--|----------|
| c) Focus on the devotion of following in computer field. | <b>8</b> |
| i) Dr. Vijay Bhatkar.                                    |          |
| ii) Narayan Murthy.                                      |          |
| d) What is Data Mining? Explain BPO & KPO in detail.     | <b>8</b> |

**5. Solve all the questions.**

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|--|----------|
| a) Explain Super Computer in detail.           | <b>4</b> |
| b) Explain touch screen & track ball in brief. | <b>4</b> |
| c) Write a short note on Bio-informatics.      | <b>4</b> |
| d) Write a short note on E-Banking.            | <b>4</b> |

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