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[4968]-1001

**B.C.A. (First Semester) EXAMINATION, 2016**

**101 : MODERN OPERATING ENVIRONMENT AND MS-OFFICE  
(2013 PATTERN)**

**Time : Three Hours**

**Maximum Marks : 80**

- N.B. :—** (i) All questions are compulsory.  
(ii) Figures to the right indicate full marks.  
(iii) Draw neat diagrams wherever necessary.

1. Answer the following (any *eight*) : [16]
- (a) Define Hybrid Computer.
  - (b) What function is performed by ALU ?
  - (c) Write full forms of the following :
    - (i) OCR
    - (ii) OMR.
  - (d) Write the following conversions :
    - (i) 1 byte = (?) bits
    - (ii) 1 MB = (?) kB.
  - (e) Define machine level language.
  - (f) What is multiprogramming ?
  - (g) Define computer network.
  - (h) Write any *two* statistical function used in MS-Excel.
  - (i) Write any *two* features of PowerPoint.
  - (j) Define Interpreter.

P.T.O.

2. Answer the following (any *four*) : [16]
- (a) Explain limitations of computer.
  - (b) What is memory ? Explain different types of memory.
  - (c) Explain any *four* differences between impact and non-impact printer.
  - (d) Explain any *one* secondary storage device.
  - (e) Draw a flowchart to find maximum of *three* numbers.
3. Answer the following (any *four*) : [16]
- (a) Explain difference between DOS and window operating system.
  - (b) Define Topology. Explain any *one* topology in detail.
  - (c) Write a note on MS-Access.
  - (d) Explain any *four* characteristics of algorithm.
  - (e) Write a note on internet.
4. Answer the following (any *four*) : [16]
- (a) Explain any *four* characteristics of computer.
  - (b) Explain bus structure of computer system.
  - (c) Write a note on plotter.
  - (d) Differentiate between primary and secondary memory.
  - (e) Explain characteristics of good language.

5. Answer the following (any *four*) : [16]

(a) Explain any *four* functions of an operating system.

(b) Write a note on satellite communication.

(c) Explain any *four* features of MS-Word.

(d) Write a note on Linux Operating system.

(e) Write a note on memory organization.