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BO—19—2016

FACULTY OF COMPUTER STUDIES

B.C.A. (Third Year) (Sixth Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(Revised Course)

COMPUTER APPLICATION

Paper BCA S6.2

(Multimedia System)

(Wednesday, 23-11-2016)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—80

N.B. :— (i) All questions are compulsory.

(ii) Assume suitable data if necessary.

1. Attempt the following : 20
 - (a) What is multimedia system ?
 - (b) Explain JPEG.
 - (c) What are the properties of multimedia system ?
 - (d) What is data compression ?
2.
 - (a) Explain the basic concepts of MIDI. 8
 - (b) What are the evolving technologies of multimedia system ? 7

Or

 - (c) Explain the data stream characteristics of continuous media. 8
 - (d) Describe the concept of speech generation. 7
3.
 - (a) What are the graphic formats ? Explain. 8
 - (b) Explain in detail image synthesis. 7

Or

 - (c) Describe in brief TIFF image format. 8
 - (d) Explain the conventional system in television. 7
4.
 - (a) What is animation ? Explain the computer based animation. 8
 - (b) Discuss MPEG and DVI. 7

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Or

- (c) Explain CD-ROM extended architecture. 8
- (d) Discuss BMP and PNG in detail. 7
- 5. Write short notes on any *three* : 15
 - (a) Video disk
 - (b) H.261
 - (c) MIDI softwares
 - (d) Run length encoding.

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