

T97/BMG204/EE/20151206

Time : 3 Hours

Max. Marks : 80

Instructions for the students:

1. All questions are compulsory.
 2. Draw suitable diagrams and sketches wherever necessary.
 3. Assume suitable data if necessary.
 4. Figures to the right indicate full marks.
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1. Answer any eight of the following questions in about 25 to 30 words each. 16
 - a) What is DVR2?
 - b) What is dithering?
 - c) What is a flat film?
 - d) What is OCR?
 - e) Define drum scanners.
 - f) What is flatbed scanner?
 - g) What is the use of digital cameras?
 - h) Define project file?
 - i) What is Data Compression?
 - j) What is resolution?
 - k) What is a use of aperture cards?
 - l) Write the full form of following:
 - i) TIFF
 - ii) PDF

2. Answer any four of the following questions in about 40 to 45 words each. 12
 - a) Explain the process of project planning.
 - b) Explain Re-Keying.
 - c) Write the application of grayscale and colour raster scanning.

- d) Explain following terms:
i) Microfiche camera ii) Roll film cameras
- e) What are attributes and drivers?
- f) What is a shelf? How do you customize a shelf?
3. Answer any four of the following questions in about 40 to 45 words each. 12
- a) Explain financial viability.
- b) Write short note on picture quality.
- c) What are readers and printers?
- d) Explain the method of compression.
- e) Define Optical Character Recognition (OCR).
- f) Explain the procedure of duplication.
4. Answer any two of the following questions in about 80 to 90 words each. 12
- a) What are data models? What factors should be considered while choosing a data model?
- b) Explain windows Media Video 9.
- c) Explain different types of scanning products.
5. Answer any two of the following questions in about 80 to 90 words each. 12
- a) What is explain the process of digital conversion.
- b) Define following terms:
(i) Encoding (ii) bit-rates (iii) clipping
- c) Explain the 4 methods adopted by the OCR software?
6. Answer any two of the following questions in about 100 to 120 words each. 16
- a) What are the advantages of digital audio?
- b) Explain the types of scanner.
- c) What are the High-Definition (HD) options for digital video recording?

