

2018

Time: 3 hours

Full Marks: 70

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Answer from **all** the Groups are directed.

Group – A

(Compulsory)

1. Answer the following multiple choice questions: 1x15=15
- a. How many types of video compression?
 - i. 2
 - ii. 3
 - iii. 4
 - iv. 6
 - b. Which image files are a lossy format?
 - i. GIF
 - ii. MPEG
 - iii. JPEG
 - iv. PNG
 - c. GIF means
 - i. Graphic Information File

- ii. Graphic Interchange Format
 - iii. Graphic Information Format
 - iv. Graphic Interchange File
- d. Which of the following is a computer based presentation technique?
- i. Slides
 - ii. Tutorial
 - iii. Multimedia
 - iv. Data processing
- e. How many categories of image file compression there?
- i. 6
 - ii. 4
 - iii. 2
 - iv. 3
- f. Conversion of an analog waves to a digital format called:
- i. ECHO
 - ii. Sampling
 - iii. Frequency
 - iv. Sound forge
- g. How many images formats are most commonly used?
- i. 2
 - ii. 3
 - iii. 4
 - iv. 5
- h. A video consists of a sequence of:
- i. Frames
 - ii. Signals
 - iii. Packets

- iv. Slots
- i. If frames are displayed on screen fast enough, we get an impression of:
 - i. Signal
 - ii. Motion
 - iii. Packets
 - iv. Bits
- j. To receive signal, a translator is needed to decode signal and encode it again at a:
 - i. High Quality
 - ii. Lower Quality
 - iii. Same Quality
 - iv. Bad Quality
- k. Moving Picture Experts Group (MPEG) is used to compress:
 - i. Frames
 - ii. Images
 - iii. Audio
 - iv. Video
- l. In Audio and Video Compression, each frame is divided into small grids, called picture elements or:
 - i. Frames
 - ii. Packets
 - iii. Pixels
 - iv. Mega Pixels
- m. Audio compression can be used for:
 - i. Speech or Music
 - ii. Voice and Data
 - iii. Picture and Colors

- iv. Video and Voice
- n. Which of the following is a technique to blend two or more images to form a new image?
 - i. Modeling
 - ii. Morphing
 - iii. Animating
 - iv. Wrapping
- o. Which file creates a perfect reproduction of the original images?
 - i. Shockwave
 - ii. Nx View
 - iii. GIF
 - iv. JPG

Group – B

Answer any **five** questions of the following: 4x5=20

2. What is multimedia?
3. What are the types of video compression available?
4. What is interactive multimedia?
5. Mention some of the image formats used in multimedia.
6. Write a note on GIF.
7. What is compression?
8. What is warping?

Group – C

Answer any **five** questions of the following:

7x5=35

9. Explain the Multimedia elements in details.
10. What is Multimedia Environment? Explain.
11. Mention and explain some of the image formats used in Multimedia.
12. Write notes on the following:
 - a. Lossless Compression
 - b. Lossy Compression
13. Write the differences between Interactive and on-Interactive Multimedia.
14. What is distributed multimedia and object oriented multimedia?
15. What are the Multimedia I/O technology exists? Explain.

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