

63/1 (SEM-3) GE3/ITBHG3036

2023

INFORMATION TECHNOLOGY

Paper : ITBHG3036

(Multimedia Application)

Full Marks : 60

Pass Marks : 24

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Choose the correct answer (any five) : 1×5=5

**(a) The shockwave format was developed
by**

(i) IBM

(ii) Apple

(iii) Macromedia

(iv) Microsoft

(2)

(b) The Audio Video Interleave was developed by

(i) Lotus

(ii) Microsoft

(iii) Apple

(iv) IBM

(c) What is the extension of MPEG audio file?

(i) .mov

(ii) .mp4

(iii) .mpeg

(iv) .mp3

(d) A frame buffer on a black and white system with one bit per pixel is commonly called as

(i) bitmap

(ii) grayscale

(iii) pixmap

(iv) multimap

(3)

(e) Which is not a feature of a GUI that makes learning a program easy for users?

(i) WYSIWYG formatting

(ii) Dialog boxes

(iii) Detailed key strokes and commands

(iv) Icons

(f) _____ is used to reduce the size of multimedia files.

(i) Data handling

(ii) Data compression

(iii) Data coupling

(iv) Data dependency

(g) Which was the first mass communication medium?

(i) Newspaper

(ii) Magazine

(iii) Television

(iv) Radio

(4)

- (h) In real time interactive audio, video, conferencing requires two-way communication between
- (i) pixels to packets
 - (ii) receivers and senders
 - (iii) packet and frames
 - (iv) frames to pixels
- (i) A video consists of sequence of
- (i) packets
 - (ii) signals
 - (iii) frames
 - (iv) slots
- (j) In audio and video compression, term RGB expresses
- (i) Red, Gray, Black
 - (ii) Red, Gray, Blue
 - (iii) Red, Gray, Brown
 - (iv) Red, Green, Blue

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(5)

2. Answer any *five* of the following questions : $2 \times 5 = 10$

- (a) What is WWW? What is the function of WWW? $1 + 1 = 2$
- (b) What do you mean by MIDI?
- (c) What is fonts and faces of multimedia?
- (d) What is text?
- (e) Write any two difference between vector drawing and 3D drawing.
- (f) What do you mean by digital audio?
- (g) What is windows production platform?

3. Answer any *five* of the following questions : $5 \times 5 = 25$

- (a) What is multimedia? Explain the components of multimedia. $1 + 4 = 5$
- (b) Explain the following : $2 \frac{1}{2} \times 2 = 5$
 - (i) Web page maker
 - (ii) Web site builders

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(Turn Over)

(6)

(c) What do you mean by rendering?
Explain about colour palette. $2+3=5$

(d) What is HTML? Write an HTML form
with a name attribute. $2+3=5$

(e) Define authoring tools. Explain the
different types of authoring tools. $1+4=5$

(f) What are the requirements to make
good multimedia? Explain.

(g) What is Macintosh? Explain.

(h) Write any five differences between web
server and web browsers.

(i) Explain any five image file formats.

4. Answer any two of the following questions :
 $10 \times 2 = 20$

(a) What is virtual reality? Explain the
uses of multimedia. $2+8=10$

(b) Explain the principle of animation.

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(Continued)

(7)

(c) What is video? Write the steps how a
video works. $2+8=10$

(d) Explain the stages of multimedia
project.

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