

No. of Printed Pages : 4

Roll No. ....

180833/170833/  
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**3rd Sem. / Computer Engineering**

**Subject : Multimedia Application**

Time : 3 Hrs.

M.M. : 100

**SECTION-A**

**Note:** Multiple choice Questions. All questions are compulsory (10x1=10)

**(Course Outcome/CO)**

- Q.1 Which of the following cannot produce colored output? (CO-1)  
a) dot matrix printer b) inkjet  
c) laser printer d) plotter
- Q.2 Which offers flicker free views? (CO-1)  
a) Monitor b) LCD Monitor  
c) CRT Monitor d) TV
- Q.3 Which of the following offer higher data density? (CO-1)  
a) hard disk b) DVD  
c) Floppy d) CD
- Q.4 GIF images are limited to max. how may colors? (CO-2)  
a) 128 b) 256  
c) 512 d) 1024

(1) 180833/170833/  
30844/30853B/30854B

- Q.5 TIFF file support how many colors? (CO-8)  
a) 12 bit b) 24 bit  
c) 50 bit d) none
- Q.6 Which is the default extension of sound files in Windows? (CO-2)  
a) AVI b) MP3  
c) WAV d) API
- Q.7 Which of the following tools does not use the foreground color? (CO-3)  
a) airbrush b) brush  
c) eraser d) pencil
- Q.8 Who is the developer of Flash? (CO-3)  
a) Microsoft b) IBM  
c) Macromedia d) Adobe
- Q.9 Who is the developer of Photoshop? (CO-3)  
a) Microsoft b) IBM  
c) Macromedia d) Adobe
- Q.10 How many frames are there in a move file when it is created? (CO-4)  
a) 12 b) 3  
c) 7 d) 1

(2) 180833/170833/  
30844/30853B/30854B

## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Human eye can detect changes that are occurring less than \_\_\_\_\_ events/sec (CO-1)
- Q.12 USB stands for \_\_\_\_\_. (CO-1)
- Q.13 DVD stands for \_\_\_\_\_. (CO-1)
- Q.14 \_\_\_\_\_ CD can be written many times. (CO-1)
- Q.15 Diethering \_\_\_\_\_ the size of a file. (CO-2)
- Q.16 MIDI stands for \_\_\_\_\_. (CO-2)
- Q.17 The grayscale mode uses \_\_\_\_\_ shades of gray. (CO-3)
- Q.18 Name CMYK color \_\_\_\_\_. (CO-3)
- Q.19 Flash is developed by \_\_\_\_\_. (CO-4)
- Q.20 The \_\_\_\_\_ tools of flash allows you to make freehand or straight edged selection on the stage (CO-4)

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Explain kiosks and animation with appropriate example. (CO-1)
- Q.22 Write in detail audio compression. (CO-1)
- Q.23 Discuss animation techniques? (CO-1)
- Q.24 Explain multimedia hardware and software components (CO-1)

(3) 180833/170833/  
30844/30853B/30854B

- Q.25 Discuss the purpose of project planning?(CO-2)
- Q.26 Discuss MPEG format? (CO-2)
- Q.27 Write various color models? (CO-2)
- Q.28 Explain smudge tool and focus tool. (CO-3)
- Q.29 Explain the concept of layers in detail. (CO-3)
- Q.30 Explain filters in adobe photoshop. write any three filters. (CO-3)
- Q.31 Discuss painting and drawing tools. (CO-3)
- Q.32 Discuss Animation by Tweening (CO-4)
- Q.33 Explain Barcode and QR Code (CO-1)
- Q.34 Explain painting and drawing tools in flash (CO-4)
- Q.35 Discuss Frame by Frame animation (CO-4)

## SECTION-D

**Note:** Long answer type questions. Attempt any two out of three questions. (2x10=20)

- Q.36 a) Explain multimedia computer with hardware and software (CO-1)
- b) Explain various sound and video formats used in multimedia system?
- Q.37 Explain different Layers of Adobe Photoshop? (CO-3)
- Q.38 Explain Macromedia Flash Interface? (CO-4)

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(3080) (4) 180833/170833/  
30844/30853B/30854B

- Q.26 Give any three advantages of digital music. (CO-6)
- Q.27 Define compression. Explain the various types of compression. (CO-6)
- Q.28 Explain MPEG format in brief. (CO-5)
- Q.29 Define cropping. Explain the various steps to crop an image. (CO-4)
- Q.30 Differentiate between vector graphics and raster graphics. (CO-3)
- Q.31 Write any five important features of Photoshop. (CO-4)
- Q.32 Explain the main parts of a Flash Window. (CO-5)
- Q.33 Write the step to transforms an image in adobe flash (CO-4)
- Q.34 Explain the use of authoring tool. (CO-5)
- Q.35 Define frame rate. How will you change it ? (CO-2)

#### SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain the applications of Multimedia in any five fields. (CO-1)
- Q.37 Explain the different steps of Project Planning in detail. (CO-2)
- Q.38 Explain the various selection tools of Photoshop in detail. (CO-4)

No. of Printed Pages : 4

Roll No. .... 180833/170833/30844/  
30853B/30854B

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#### SECTION-A

**Note:** Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 The storage device which offers highest data density ? (CO-2)
- a) Hard Disk                      b) CD  
c) DVD                                d) Floppy
- Q.2 Default extension of Photoshop image file is ..... (CO-4)
- a) PSD                                b) PSP  
c) PVD                                d) PHP
- Q.3 The characteristic of a multimedia system is ..... (CO-1)
- a) High Storage  
b) High Data Rates & High Storage  
c) High Data Rates    d) None of these
- Q.4 \_\_\_\_\_ is an extension of a video file (CO-2)
- a) MP3                                b) MP4  
c) M3U                                d) MIDI

(4020)

(4) 180833/170833/30844/  
30853B/30854B

(1) 180833/170833/30844/  
30853B/30854B





- Q.16 The area on which the images are placed is known as (CO - 5)
- Q.17 The process of removing unwanted parts of the image is called \_\_\_\_\_ (CO - 4)
- Q.18 Name the tool which increases or decreases color saturation of an area. (CO - 5)
- Q.19 Name any two-video format. (CO - 6)
- Q.20 SWF stands for \_\_\_\_\_ (CO - 6)

### SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions.  
12x5=60

- Q.21 Differentiate between CD-ROM and DVD. (CO - 2)
- Q.22 List any four applications of multimedia in different fields. (CO - 1)
- Q.23 Write the configuration of a multimedia PC. (CO - 1)
- Q.24 Explain the various features of USB interface (CO-2)
- Q.25 List any three purposes of project planning. (CO - 3)
- Q.26 Describe any three advantages of digital music. (CO - 6)
- Q.27 Explain text editor and its types in brief. (CO - 3)
- Q.28 Explain GIMP in brief. (CO - 3)
- Q.29 Discuss any two-user interface in brief. (CO - 2)

(3) 180833/170833/30844/  
30853B/30854B

- Q.30 Describe the various steps to resize a canvas in Photoshop. (CO - 4)
- Q.31 Explain the difference between eraser and magic eraser tools. (CO - 3)
- Q.32 Write the various steps to add a layer to the image (CO - 4)
- Q.33 Explain the use of authoring tool. (CO - 1)
- Q.34 Explain the various components of a Flash Window. (CO - 5)
- Q.35 Define frame rate. How will you change it? (CO - 6)

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. 2x10=20

- Q.36 Explain and give five input and output devices used with multimedia projects (CO - 2)
- Q.37 Explain the different steps of Project Planning in detail. (CO - 3)
- Q.38 Explain the various types of authoring tools in detail. (CO - 4)

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(2040)

(4) 180833/170833/30844/  
30853B/30854B

No. of Printed Pages : 4

Roll No. .... 180833/170833/030844  
/030853B/030854B

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**SECTION-A**

**Note:**Objective type questions. All questions are compulsory (10x1=10)

**(Course Outcome/CO)**

- Q.1 MP3 is an extension of a \_\_\_\_\_ file.(CO-2)
- Q.2 FPS stands for\_\_\_\_\_. (CO-2)
- Q.3 What is Webcam. (CO-1)
- Q.4 The full form of GIF is\_\_\_\_\_. (CO-2)
- Q.5 The \_\_\_\_\_ tool of Flash allows you to make freehand selection on the stage. (CO-4)
- Q.6 Give the names of elements of Multimedia. (CO-1)
- Q.7 Define compression ratio. (CO-4)

(1) 180833/170833/030844  
/030853B/030854B

Q.8 WMA stands for\_\_\_\_\_. (CO-2)

Q.9 \_\_\_\_\_tools is used to reduce the focus of an image. (CO-3)

Q.10 What is Layer? (CO-4)

**SECTION-B**

**Note:**Very Short answer type questions. Attempt any ten parts 10x2=20

- Q.11 Write short note on JPEG and MPEG. (CO-1)
- Q.12 Explain Dodge tool. (CO-3)
- Q.13 Write short note on MIDI. (CO-1)
- Q.14 What are the steps for planning a project in Multimedia? (CO-2)
- Q.15 Define Resolution? (CO-4)
- Q.16 Name some of the image formats used in Multimedia. (CO-1)
- Q.17 What is KIOSK? (CO-1)
- Q.18 List various tools in Photoshop? (CO-3)
- Q.19 Write short notes on layers in Flash. (CO-4)

(2) 180833/170833/030844  
/030853B/030854B

- Q.20 What do you mean by cropping? (CO-3)
- Q.21 What are Actions in Photoshop? (CO-3)
- Q.22 Define Time-line. (CO-4)

### SECTION-C

**Note:** Short answer type questions. Attempt any five questions out of ten. 5x8=40

- Q.23 Difference between Lossless and Lossy Compression. (CO-2)
- Q.24 What are the different file formats of Media Files? (CO-1)
- Q.25 Differentiate between Hyper-Text and Hyper-graphics. (CO-1)
- Q.26 Define channels in Photoshop. Also explain types of Channel in brief. (CO-3)
- Q.27 What are the various modes to adjust colours in Photoshop? (CO-3)
- Q.28 Explain Encoding Techniques. (CO-2)
- Q.29 Define Tweening and its various types?(CO-4)
- Q.30 Explain QR Codes in brief. (CO-2)

(3) 180833/170833/030844  
/030853B/030854B

- Q.31 Mention the major uses problems of Multimedia? (CO-1)
- Q.32 Explain various layers of time line available in Flash ? (CO-4)

### SECTION-D

**Note:** Long answer type questions. Attempt any three questions. 3x10=30

- Q.33 Define Multimedia? Write Benefits and problems of Multimedia? Also explain the various applications of Multimedia?(CO-1)
- Q.34 Explain Filters in Photoshop. Also explain why filters are important in Photoshop. (CO-3)
- Q.35 Explain various authorizing tools in Flash? Also define the features of flash? (CO-4)
- Q.36 Write short note on :-
- 1) data compression (CO-2)
  - 2) Animating (CO-4)

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(4240)

(4) 180833/170833/030844  
/030853B/030854B