



TEE/BCAC502/2019/2021 - 22

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BRAINWARE UNIVERSITY

Term End Examination 2021 - 22
Programme – Bachelor of Computer Applications
Course Name – Introduction to Multimedia
Course Code - BCAC502
(Semester V)

Time : 1 Hr.15 Min.

Full Marks : 60

[The figure in the margin indicates full marks.]

Group-A

(Multiple Choice Type Question)

1 x 60=60

Choose the correct alternative from the following :

- (1) The expansion for MIDI is
 - a) Musical Instrument Digital Interface
 - b) Musical Instrument Data Interface
 - c) Musical Instructions Digital Interface
 - d) Musical Information Data Interface
- (2) _____ is an application that allows you to send and receive messages over cell phones.
 - a) Animated service
 - b) Message service
 - c) MMS
 - d) Multimedia
- (3) Huffman Encodig is a....technique.
 - a) Lossless compression
 - b) Lossy compression
 - c) Sometimes lossless and sometimes lossy
 - d) None of the mentioned
- (4) Multimedia _____ of elements grabs the viewer's attention and retains it.
 - a) Mixture
 - b) Combination
 - c) Control
 - d) Contribution
- (5) There are _____ types of video compressions.
 - a) 1
 - b) 2
 - c) 3
 - d) 4
- (6) The minimum refresh rate to avoid flicker for all motion devices is
 - a) 30Hz
 - b) 40Hz
 - c) 50Hz
 - d) 70Hz
- (7) With reference to multimedia elements, pick the odd-one out of the following:
 - a) Voice Script
 - b) Animation
 - c) Audio
 - d) Video
- (8) Rich text is known as
 - a) Un-formatted text
 - b) Formatted text

- c) Hypertext
d) None of these
- (9) Which image files are a lossy format?
a) GIFB
b) MPEGC
c) JPEG
d) PNG
- (10) Which compressions provide some loss of quality?
a) Lossy
b) Loss less
c) Cel based
d) Object based
- (11) Which one of the following is the characteristic of a multimedia system?
a) High storage
b) High data rates
c) High storage and high data rates
d) None of the mentioned
- (12) MP3 is an extension of a _____ file.
a) Video file
b) Graphics image
c) Audio File
d) Text File
- (13) The MIDI standard specifies how many channels?
a) 16
b) 24
c) 32
d) 40
- (14) Which database system is used in multimedia
a) RDBMS
b) DBMS
c) Data dictionary
d) None of the mentioned
- (15) A combination of an encryption algorithm and a decryption algorithm is called a
a) Plain text
b) Cipher
c) Original text
d) Shift chiper
- (16) Most common compression technique that is used to create CD-quality audio is based on perceptual encoding technique is called
a) Predictive Encoding
b) Perceptual Encoding
c) MPEG
d) JPEG
- (17) Live streaming is still using Transmission Control Protocol (TCP) and multiple unicasting instead of
a) Unicasting
b) Layered Control
c) Multicasting
d) Protocol Control
- (18) The delay that occur during the playback of a stream is called _____
a) Stream delay
b) Playback delay
c) Jitter
d) Event delay
- (19) Moving Picture Experts Group (MPEG-2), was designed for high-quality DVD with a data rate of
a) 3 to 6 Mbps
b) 4 to 6 Mbps
c) 5 to 6 Mbps
d) 6 to 6 Mbps
- (20) In Real Time Interactive Audio Video, conferencing requires two way communication between
a) Receivers and Senders
b) Packets to Frames
c) Pixels to Packets
d) Frames to Pixels
- (21) In Audio and Video Compression, voice is sampled at 8000 samples per second with
a) 5 bits per sample
b) 6 bits per sample
c) 7 bits per sample
d) 8 bits per sample
- (22) Purpose of dividing picture into blocks is to decrease number of

- a) Channels
c) Calculations
- (23) For speech, we need to compress digitize signals at
a) 128 Khz
c) 64 Khz
- (24) Moving Picture Experts Group (MPEG-1), was designed for a
a) PC
c) DVD
- (25) We can divide audio and video services into
a) 1 broad categories
c) 3 broad categories
- (26) A simple session using Session Initiation Protocol (SIP), consists of three modules: establishing, communicating, and
a) Transmission
c) Streaming
- (27) In block coding, we divide our message into blocks, is called
a) Code blocks
c) Code words
- (28) Graphics and image processing technique used to produce a transformation of one object into another is called :
a) Animation
c) Half tuning
- (29) Reflection of a point about X-axis followed by a counter clockwise rotation of 90 degree is equivalent to reflection about the line ?
a) $x = -y$
c) $x = y$
- (30) Resolution of VGA monitor is (in pixel)
a) 640 X 480
c) 320 X 440
- (31) To receive signal, a translator is needed to decode signal and encode it again at a
a) High Quality
c) Same Quality
- (32) _____ is any combination of text, graphic art, sound, animation, and video delivered to you by computer or other electronic devices. A.
a) Multimedia
c) Hyper media
- (33) Most common compression technique that is used to create CD quality audio is based on perceptual encoding technique is called.
a) Predictive Encoding
c) MPEG
- (34) In Audio and Video Compression, each frame is divided into small grids, called picture elements or
a) Frame
c) Pixels
- (35) Joint Photographic Experts Group (JPEG) is used to compress
b) Pixels
d) Frames
- b) 256 Khz
d) 1152 Khz
- b) CD
d) Floppy
- b) 2 broad categories
d) 4 broad categories
- b) System
d) Terminating
- b) Packet blocks
d) Datawords
- b) Morphing
d) None of the mentioned
- b) $y = -x$
d) $x+y = 1$
- b) 800 X 600
d) 1024 X 768.
- b) Lower Quality
d) Bad Quality
- b) Network
d) Visual Media
- b) Perceptual Encoding
d) JPEG
- b) Packets
d) Mega Pixels

- a) Music
c) Images
- b) Pictures
d) Frames
- (36) In Video Compression, an independent frame that is not related to any other frame is called A.
- a) B-Frame
c) I-Frame
- b) C-Frame
d) P-Frame
- (37) RTP uses a temporary even-numbered
- a) RTCP
c) UDP port
- b) SMTP
d) None
- (38) MP3 produces three data rates from 96 Kbps to
- a) 128 Kbps
c) 256 Kbps
- b) 164 Kbps
d) 320 Kbps
- (39) RGB is a
- a) additive color model
c) color wheel
- b) subtractive color model
d) none of the mentioned
- (40) In Voice Over IP, Term SIP stands for
- a) Session Initiation Protocol
c) Session Initiation Path
- b) Session Initiation Port
d) Session Initiation Packet
- (41) In Real-Time Transport Protocol (RTP), A source sends a bye message to shut down a
- a) System
c) Protocol
- b) Frames
d) Stream
- (42) To perform tracking of an IP, Session Initiation Protocol (SIP), uses concept of
- a) Registration
c) Streaming
- b) Termination
d) Translation
- (43) Session Initiation Protocol (SIP), is designed to be independent of underlying
- a) Linear Layer
c) Transport Layer
- b) Data Link Layer
d) Presentation Layer
- (44) In Session Initiation Protocol (SIP), session can be terminated with a
- a) OK Message
c) Terminate Message
- b) Bye Message
d) Quit Message
- (45) RTCP stands for
- a) Real-time Transport Control Program
c) Real-time Transport Control Protocol
- b) Real-time Transport Control Packet.
d) Real-time Transport Control Path
- (46) In Real Time Interactive Audio Video, a sequence number on each packet is required for
- a) Real-time traffic
c) Real-time pixels
- b) Real-time Playback
d) Real-time frames
- (47) How many images formats are most commonly used?
- a) 2
c) 4
- b) 3
d) 5
- (48) How many categories of image file compressions there?
- a) 6
c) 2
- b) 4
d) 3
- (49) Conversion of a analog waves to a digital format called

- a) Echo
c) Frequency
- (50) How many step process for creating a 3D animation?
a) 2
c) 4
- (51) Which file creates a perfect reproduction of the original images?
a) Shockwave
c) GIF
- (52) Which of the following is emmissive display ?
a) LCD
c) GPT
- (53) VRML stand for
a) Very Real Marking Language
c) Virtual Reality Markup Language
- (54) DAT is an acronym for _____.
a) Digital Audio Tape
c) Data Audio Tape
- (55) Gamut in RGB is _____ CMYK
a) equal to
c) larger than
- (56) Arithmetic Encoding is
a) Lossless compression
c) LZJ coding
- (57) GIF supports how many colors
a) 256 colors
c) 1024 colors
- (58) Which of the following is a better option for drawing a smooth line on the screen?
a) Raster Scan Display
c) Raster and random scan display
- (59) Resolution can be defined by
a) No. of component
c) No. of pixels
- (60) The amount of memory in frame buffer is called
a) Bit plane
c) Bit
- b) Sampling
d) Sound forge
- b) 3
d) 5
- b) Nx View
d) JPG
- b) LED
d) DVST
- b) Virtual Reality Modeling Language
d) Virtual Reality Makeup Language
- b) Data Analysis Technique
d) Digital Ant Technology
- b) smaller than
d) twice than that of
- b) Lossy compression
d) None of the mentioned
- b) 512 colors
d) 16 million colors
- b) Random Scan Display
d) None of the mentioned
- b) No. of small square boxes
d) No. of pixels per unit length,
- b) Plane
d) None of the mentioned