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Brainware University
Barasat, Kolkata -700125

BRAINWARE UNIVERSITY

Term End Examination 2023
Programme – Dip.CSE-2018/Dip.CSE-2019/Dip.CSE-2020
Course Name – Multimedia
Course Code - DCSE503
(Semester V)

Full Marks : 60

Time : 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

1. Choose the correct alternative from the following :

- (i) Recall the one is not a fundamental property of a wave
- | | |
|--------------|-----------------|
| a) Amplitude | b) Frequency |
| c) Waveform | d) All of these |
- (ii) Categorize the one supports changes in the appearance?
- | | |
|-------------------|---------------------|
| a) Formatted Text | b) Unformatted Text |
| c) Hyper Text | d) All of these |
- (iii) In (R, G, B) mode of color coding, focus on the maximum value of R?
- | | |
|--------|--------|
| a) 64 | b) 128 |
| c) 256 | d) 255 |
- (iv) Choose from the following is closely related to one of the text compression technique?
- | | |
|--|-----------------------|
| a) Run Long Encryption | b) Huffman Encryption |
| c) Both (Run Long Encryption) and (Huffman Encryption) | d) None of these. |
- (v) Search by content is only designed in
- | | |
|--------|-----------------------|
| a) HDD | b) CD |
| c) DVD | d) Associative memory |
- (vi) Judge that the Quality of a wave depends on it
- | | |
|--------------|------------------|
| a) Amplitude | b) Frequency |
| c) Waveform | d) None of these |
- (vii) Identify that Word Art is an example of
- | | |
|-------------------|---------------------|
| a) Plain text | b) Unformatted text |
| c) Formatted text | d) Hyper text |
- (viii) Conversion of an analog waves to a digital format is identified as
- | | |
|--------------|----------------|
| a) Echo | b) Sampling |
| c) Frequency | d) Sound Forge |
- (ix) In Unicode, memorize that the first Byte always represents

- a) Glyphs
c) Language
- b) Character
d) All of these
- (x) Express the name of the fastest memory
- a) Cache
c) Registers
- b) RAM
d) ROM
- (xi) Choose the correct alternative for video file format
- a) .txt
c) .dat
- b) .jpeg
d) .pdf
- (xii) In (H, S, L, Alpha) mode of color coding, justify the maximum value of alpha?
- a) 0
c) 16
- b) 1
d) 100
- (xiii) determine that the collection of characters globally accepted in computer terminology is called
- a) Unicode Character Scheme
c) Universal Character Set
- b) Universal Color Set
d) Unicode Color Scheme
- (xiv) Memorize the tag - Correct html tag for largest heading is
- a) `< p > < head > < /p >`
c) `< p > < heading > < /p >`
- b) `< p > < h6 > < /p >`
d) `< p > < h1 > < /p >`
- (xv) To create a combo box, memorize the tag
- a) `< select >`
c) `< input type = "dropdown" >`
- b) `< list >`
d) None of these

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Construct Run Length Encoding technique with example. (3)
3. Construct Shanon Fano encoding technique with example. (3)
4. Categorize between Different types of images. (3)
5. Test the best type of fonts. (3)
6. Explain the functionality of any three multimedia devices. (3)

OR

- Choose the differences between Get and Post method with example. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Define the full form of HTML? List different tags related to table. (5)
8. Distinguish between Lossy and lossless techniques. (5)
9. Apply any dictionary based algorithm with a proper input. (5)

OR

Explain MIDI with its subparts. (5)

10. Explain the digitization process for a sinusoidal wave which completes one cycle over a time duration of 5 seconds and have peak amplitude ranging from +1 to -1.4) Explain the working principle of a Bidirectional Shift Register (5)

OR

Explain different Unicode standard with example (5)

11. Explain different types of ROM memory (5)

OR

In relation to OCR software, categorize between pattern-matching and feature extraction. (5)

12. Explain the three properties of wave. (5)

OR

Decide the better technique in modern OCR software – Pattern Matching and feature extraction (5)

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