No. of Printed Pages : **1**

Sl. No.

21CSC3C9L

M.Sc. III Semester Degree Examination, April/May - 2023

COMPUTER SCIENCE

Multimedia and Animation

Time : 3 Hours Maximum Marks : 70

Note : *Answer* ***any five*** *full questions. (Q.No.* ***1*** *is* ***Compulsory****)*

1. (a) Explain the Network Qos and Application Qos in multimedia. **7**
(b) Define Digitization. Summarize the digitization principles. **7**

2. (a) Explain Huffman coding in text compression with suitable example. **7**
(b) Encode the given sequence using LZW compression technique. **7**

Seq : Wabba⁄bwabba⁄bwabba⁄bwabba⁄bw

Given Dictionary :

Index	**Entry**
1	⁄b
2	a
3	b
4	o
5	w

3. (a) Explain ADPCM with the help of block diagram. **7**
(b) Demonstrate the video compression principles. **7**

4. (a) Explain the different types of video compression standards. **7**
(b) Write any five differences between H.261 and H.263 compression standards. **7**

5. (a) Illustrate how do you manage the resources in multimedia. **7**
(b) Explain why we use SMIL in multimedia. **7**

6. (a) Briefly explain T2 and T3 coding in image compression. **7**
(b) Distinguish between DPCM and ADPCM. **7**

7. (a) Explain presentation requirements in multimedia. **7**
(b) List out and explain process management techniques in multimedia. **7**

8. Write a short note for the following :
(a) Run Length Coding **5**
(b) Audio Compression principles **5**
(c) Code excited LPC **4**

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