

POKHARA UNIVERSITY

Level: Bachelor

Semester – Spring

Year: 2020

Program: BE

Full Marks: 70

Course: Multimedia System

Pass Marks: 31.5

Time: 2 hrs.

Candidates are required to answer in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

Group – A (5×10=50)

- Q. N. 1 Define multimedia system. Explain the building blocks of multimedia system with examples. 10

OR

What do you mean by animation? Explain the different types of animation techniques with example.

- Q. N. 2 Define the frequency of sound wave. Explain the MIDI reception modes and MIDI messages. 10
- Q. N. 3 What are the types of Image format? Explain the Image Recognition steps with suitable block diagram. 10
- Q. N. 4 Explain the Huffman coding process to create Huffman code tree with example. Justify how Huffman code reduces the file size? 10
- Q. N. 5 What do you mean by MHEG? Differentiate between SGML and ODA with diagram. 10

Group – B (1×20=20)

- Q. N. 6 a) Define Multimedia OS. Explain the main characteristics of Multimedia OS. Explain the basic principle of CD-WO with suitable diagram. 10
- b) Why resource management is required? In multimedia communication, Draw the block diagram of resource management architecture and explain it? 10