

Roll No.: \_\_\_\_\_

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- February 2019

M.Tech II Semester

COURSE CODE: 10M11CI214

MAX. MARKS: 15

COURSE NAME: Multimedia systems

COURSE CREDITS: 3

MAX. TIME: 1 Hrs

**Note:** All questions are compulsory and carrying equal marks. Carrying of mobile phone during examinations will be treated as case of unfair means.

Que.1: [03 Marks; CO1] Differentiate between MPEG-1 and H.261.

Que.2: [03 Marks; CO1] Consider an Input array of unique characters along with their frequency of occurrences as given below. You are supposed to build the corresponding Huffman Tree.

Character	Frequency
a	5
b	9
c	12
d	13
e	16
f	45

Que.3: [03 Marks; CO1] Provide the complete taxonomy of data compression methods. Differentiate Lossless and Lossy compression. Also, name the lossless standards.

Que.4: [03 Marks; CO2] What are the application and system QoS parameters for MPEG video stream? Write them in a tabular format.

Que.5: [03 Marks; CO2] Explain "Single Sender Multiple Receivers" reservation model.