

14.8.2019

ST. JOSEPH'S COLLEGE (AUTONOMOUS), BANGALORE-27

BCA V SEMESTER

MID SEMESTER EXAMINATION: AUGUST 2019

CA 5215- MULTIMEDIA TECHNOLOGY

Time- 1 hour

Max Marks-30

This paper contains one printed page

Answer any five questions from the following:

5 x 6 = 30

1. Explain the various tools and elements of multimedia.
2. Explain the process of sampling and quantization intervals in encoder design.
3. Write a note on: a) digital colour principles b) CD quality.
4. With the block diagram describe the purpose of synthesizer.
5. Differential between lossless and lossy compression principles.
6. Explain statistical entropy of Shannon's derivation.
7. Describe the Static Huffman coding with suitable example string consisting of 7 characters
With different frequency of occurrence.