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[5118]-104

S.Y. B.Sc. (Animation) (First Semester) EXAMINATION, 2017

(AN-2104) : MULTIMEDIA SYSTEM

(2015 PATTERN)

Time : Two Hours

Maximum Marks : 40

N.B. :— (i) All questions are compulsory.

(ii) Neat diagrams must be drawn wherever necessary.

1. Attempt each of the following : [10×1=10]

- (a) What is multimedia system ?
- (b) Define hypertext and hypermedia.
- (c) Define ADC.
- (d) Define aspect ratio.
- (e) State Nyquist sampling theorem.
- (f) Write the frequency range of music signal.
- (g) List the MPEG standards.
- (h) Write the abbreviation of MIDI.
- (i) List out the names of audio and video formats.
- (j) What is the RGB and CMYK ?

2. Attempt any two of the following : [2×5=10]

- (a) Write a note on electronic book.
- (b) Explain the technology trends in brief.
- (c) Draw and explain digital representations of sound.
- (d) Write a short note on sensor for TV camera.

P.T.O.

- 3.** Attempt any *two* of the following : [2×5=10]
- (a) Write a short note on video performance measurements.
 - (b) Explain in brief JPEG image compression standard.
 - (c) Write a short note on hyper-application.
 - (d) Explain in brief Quicktime Movie File (QMF) format.
- 4.** Attempt any *two* of the following : [2×5=10]
- (a) Distinguish track model and object model.
 - (b) Write a short note on MPEG compression standard.
 - (c) Explain simple video compression technique.
 - (d) Write a short note on color camera for pickup from film.