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[5218]-24

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

AN-2204 : MULTIMEDIA COMMUNICATION

(2012 PATTERN)

Time : Two Hours

Maximum Marks : 40

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

(ii) Figures to the right indicate full marks.

1. Attempt each of the following (any *ten*) : [10]

- (a) Define transmission media.
- (b) What is multimedia ?
- (c) Define Animation.
- (d) Define signal-to-noise ratio.
- (e) Define full duplex communication modes.
- (f) Name the modes of communication.
- (g) List the image file format.
- (h) Write the formula for attenuation and amplification.
- (i) What is synchronous transmission ?
- (j) Name the layers used in TCP/IP reference model.

P.T.O.

2. Attempt any *two* of the following : [2×5=10]
- (a) Explain in brief selective-repeat continuous RQ method with diagram.
 - (b) Explain briefly lip reading.
 - (c) Name *three* error detection methods and explain any *one* in brief.
 - (d) Write a short note on 8-bit gray image.
3. Attempt any *two* of the following : [2×5=10]
- (a) Explain GIF file format.
 - (b) Write a short note on DPLL.
 - (c) Write a short note on user requirements.
 - (d) Explain briefly TCP/IP reference model.
4. Attempt any *two* of the following : [2×5=10]
- (a) Draw a diagram of the idle RQ error control scheme for :
 - (i) Error free transmission
 - (ii) Corrupted I-frame.
 - (b) What are the network requirements of multimedia communication ?
 - (c) Write a short note on sources of signal impairment.
 - (d) Define multimedia communication and explain modes of communications.