

Total No. of Questions : 6]

SEAT No. :

P404

[Total No. of Pages : 2

BE/Insem/APR-59

B.E. (Electronics & Telecommunication)

AUDIO VIDEO ENGINEERING (Elective-III (C))

(2012 Pattern) (Semester - II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) *Answer questions: Q.1 or Q.2, Q.3 or Q.4 and Q.5 or Q.6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*
- 4) *Use of calculator is allowed.*
- 5) *Assume suitable data if necessary.*

Q1) a) Draw and explain a simplified block diagram of NTSC Encoder. [5]

b) Explain how (G-Y) difference signal is obtained at receiver. Why this is not chosen for transmission? [5]

OR

Q2) a) Draw the chromaticity diagram and explain its importance. [5]

b) Compare PAL, NTSC and SECAM system. [5]

Q3) a) Explain in detail the MAC technology. [6]

b) Explain advance DTV transmitter in detail. [4]

OR

Q4) a) Write short note on : [6]

i) Plasma display

ii) LED display

b) Explain MPEG2 process for television broadcasting. [4]

P.T.O.

- Q5)** a) Draw and explain HDTV-MAC transmitter block diagram. [5]
b) Explain in detail commercial DTH receiver with the help of block diagram. [5]

OR

- Q6)** a) Discuss in detail, the case study for Digital Broadcasting of MARATHON. [5]
b) With suitable diagram explain CCTV and also explain its applications. [5]

