

Total No. of Questions : 6]
P600

SEAT No. :

[Total No. of Pages : 2

BE/Insem/APR - 208
B.E. (E & TC)
AUDIO VIDEO ENGINEERING
(2015 Pattern) (Semester - II)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*
- 4) *Use of calculator is allowed.*
- 5) *Assume suitable data if necessary.*

- Q1)** a) Sketch a detail diagram of composite video signal and explain. **[5]**
b) Compare PAL, NTSC and SECAM analog TV standards. **[5]**

OR

- Q2)** a) Justify why the Channel bandwidth in PAL-B standard is 7 MHz. **[5]**
b) What is meant by interleaving of color signal? Explain with the neat diagram. **[5]**
- Q3)** a) Write a short note on Compression technique used in Digital TV. **[5]**
b) Explain component coding in Digital TV. **[5]**

OR

- Q4)** a) Write a short note on LED and LCD display devices. **[5]**
b) Draw and explain the block diagram of Advanced DTV transmitter and receiver with component encoding. **[5]**

P.T.O.

Q5) a) Discuss HDTV standards and features. [5]

b) With suitable block diagram, explain CCTV applications. [5]

OR

Q6) a) Explain HD-MAC Transmitter. [5]

b) Discuss a live TV coverage plan for Marathon in detail. [5]

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