

SV - 466

Total No. of Pages : 2

Seat No.	
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B.E. (Electronics & Telecommunication) (Semester - VIII)
Examination, May - 2018
VIDEO ENGINEERING (Revised)
Sub. Code : 67816

Day and Date : Friday, 04 - 05 - 2018

Total Marks : 100

Time : 02.30 p.m. to 05.30 p.m.

- Instructions :
- 1) All questions are compulsory.
 - 2) Assume suitable data if necessary.
 - 3) Figures to the right indicate full marks.

SECTION - I

Q1) Attempt any Two.

[16]

- a) State CCIR-B standards for B/W picture transmission.
- b) What is vertical and horizontal resolution? Derive expression for maximum video bandwidth.
- c) Explain H-sync and V-sync details.

Q2) Attempt any Two.

[16]

- a) Explain PAL-D coder and decoder.
- b) Explain frequency interleaving process with suitable sketches.
- c) Explain Chromaticity diagram.

Q3) Attempt any Two.

[18]

- a) Write a note on colour picture tube.
- b) Explain Digital Satellite Television in detail.
- c) Explain signal quantization and encoding in DTV system.

P.T.O.

SECTION - II

Q4) Attempt any two of the following.

[16]

- a) Explain in detail MAC encoding format.
- b) Define MAC signals. Explain in detail D2MAC packet signal.
- c) Explain in detail HDTV Systems.

Q5) Attempt any two of the following.

[16]

- a) Express the LCD matrix types and their operation.
- b) Compare LCD Performance with Plasma.
- c) Explain DTH Receiver.

Q6) Attempt any three of the following.

[18]

- a) LED TV
- b) Working of Block Converter
- c) Videophone
- d) CCTV.

