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B TECH**(SEM VIII) THEORY EXAMINATION 2017-18
ADVANCED DISPLAY TECHNOLOGIES & SYSTEMS****Time: 3 Hours****Total Marks: 100****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A**

- 1. Attempt all questions in brief. 2 x 10 = 20**
- What is Pattern Perception?
 - What are the properties of light?
 - What is inorganic semiconductor?
 - What is Transparent Conductors?
 - What is Vacuum Florescent Display?
 - What is luminescent and its types?
 - What is 3-D Volumetric Display Technology?
 - What are the applications of Colorant Transposition Displays?
 - What is Viewing Angle?
 - What is Temporal Effects?

SECTION B

- 2. Attempt any three of the following: 10 x 3 = 30**
- What is Multiplex in driving display? Explain its types?
 - What is Photolithography? Explain its different processes?
 - Explain in detail Flexoelectro-Optic LCD?
 - Discuss Holographic 3-D Technology with neat sketch?
 - What is micro display and its different applications in detail?

SECTION C

- 3. Attempt any one part of the following: 10 x 1 = 10**
- Explain Graphic Controllers in detail?
 - What is vision and perception? Explain its types and uses?
- 4. Attempt any one part of the following: 10 x 1 = 10**
- Explain in detail TFT, LCD and LED?
 - How touch screen is interfaced with computer mechanism? Explain
- 5. Attempt any one part of the following: 10 x 1 = 10**
- Write the short note on Twisted Numeric and Super twisted Numeric Displays?
 - What is OLED? Explain it and its application?
- 6. Attempt any one part of the following: 10 x 1 = 10**
- Explain Autostereoscopic 3-D Technology in detail?
 - What are the different types of mobile display available? Explain any One?
- 7. Attempt any one part of the following: 10 x 1 = 10**
- Discuss the problems related to Display Technology?
 - Discuss the Transmissive Liquid Crystal Micro display?