

**B.TECH SEM – VI (2007 COURSE) (INF. TECH.) : WINTER -
2017**

SUBJECT : MULTIMEDIA COMPUTING

Day : **Tuesday**
Date : **21/11/2017**

W-2017-2520

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 80

N.B.

- 1) Q.1 and Q.5 are **COMPULSORY**. Out of the remaining attempt any **TWO** questions from each Section.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.

SECTION – I

- Q.1**
- a) Write a short note on usage of multimedia applications for physically challenged persons. **(05)**
 - b) Distinguish between NTSC and PAL video systems. **(05)**
 - c) Enlist the multimedia tools in Linux. **(04)**
- Q.2**
- a) What are the minimum requirements of multimedia PC? **(07)**
 - b) Write a short note on high end multimedia architecture. **(06)**
- Q.3**
- a) Explain process management in multimedia operating system. **(07)**
 - b) With suitable diagram explain the working of speech sound processor. **(06)**
- Q.4**
- a) Enlist and explain various video systems. **(07)**
 - b) Explain how video is rendered in 3D movie. **(06)**

SECTION – II

- Q.5**
- a) Enlist different storage medias used in multimedia systems. **(05)**
 - b) Write a short note on Blue-ray disk. **(05)**
 - c) Can we store images in oracle database? Justify your answer. **(04)**
- Q.6**
- a) Enlist and explain various types of scanners. Also give their specification. **(07)**
 - b) State the advantages of optical devices over magnetic devices. **(06)**
- Q.7**
- a) Enlist and explain various compression techniques. **(07)**
 - b) Describe working of VR devices. **(06)**
- Q.8**
- a) Explain 4D video? How it is implemented? **(07)**
 - b) Write a short note on Multimedia Databases. **(06)**

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