

B.SC. (A & G) SEM. – III (OLD COURSE)(ANIMATION & GAMING) : SUMMER - 2018

SUBJECT: DATABASE MANAGEMENT SYSTEMS

Day: **Friday**
Date: **25/05/2018**

S-2018-1013

Time: **02.30 pm to 04.30 pm**
Max. Marks: 40

N.B.:

- 1) Attempt any **FIVE** questions.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Explain with examples / diagrams **WHEREVER** necessary.
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- Q.1** What do you mean by 'Database'? What are different data models? Explain. **[08]**
- Q.2** Draw schematic and labelled diagram of DBMS and explain each of the layers in detail. **[08]**
- Q.3** Explain the relative advantages of centralized database over distributed database. **[08]**
- Q.4** Explain the concept of 'Normalization' in DBMS. **[08]**
- Q.5** Draw the ER diagram of 'College Management System', assuming relevant entities, attributes and relationships. **[08]**
- Q.6** What properties of 'Transaction Management' are to be ensured by DBMS? Explain. **[08]**
- Q.7** Write short notes on following: **[08]**
- a) SQL
 - b) Constraints
 - c) Codd's rule
 - d) NULL

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