

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(Third Semester)

Branch –SOFTWARE SYSTEMS
(Five year integrated)

DATA BASE MANAGEMENT SYSTEM

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

- 1 a Write the advantages of DBMS.
OR
b Explain the structure of DBMS.
- 2 a Discuss about B+ trees for sorting.
OR
b What is meant by simple two way merge sort? Explain.
- 3 a Write short note on views.
OR
b Explain the role of DBA.
- 4 a What is meant by functional dependency? Explain.
OR
b Discuss about normalization.
- 5 a Discuss transaction and schedules.
OR
b Write a note on concurrency control.

SECTION -B (45 Marks)

Answer any THREE questions

ALL questions carry EQUAL Marks (3 x 15 = 45)

- 6 Draw ER diagram for student management system and explain.
- 7 Write short note on Hash table Indexing.
- 8 Explain about relational Algebra.
- 9 Discuss second and third normal form with example.
- 10 Write a detail note on locking techniques in DBMS.

Z-Z-Z

END