

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
MCA DEGREE EXAMINATION MAY 2019
(Fourth Semester)

Branch - COMPUTER APPLICATIONS

CORE ELECTIVE-II - BIG DATA ANALYTICS

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

Answer **ALL** questions

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

- 1 a Discuss web and content management.
OR
b Explain the history of distributed computing.
- 2 a Illustrate the security infrastructure needed for a Big Data.
OR
b Discuss Big Data applications.
- 3 a Write the importance of virtualization to Big Data.
OR
b How do you define the cloud in the context of Big Data? Explain.
- 4 a Explain Neo4J graph database.
OR
b Discuss Polyglot Persistence.
- 5 a Describe basic Big Data analytics.
OR
b Discuss the characteristics of Big Data Analysis.

SECTION -B (45 Marks)

Answer any **THREE** questions

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

- 6 How do you build a successful Big Data management architecture? Explain.

Explain the following: (i) Operational Databases (8)
(ii) Analytical Data Warehouses (7)
- 8 Describe the cloud deployment and delivery model.
- 9 Explain document databases in detail.
- 10 Describe the different approaches to Big Data analysis.

Z-Z-Z

END