Question Paper Code : 50756

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2017

Seventh Semester

Information Technology

IT 6006 – DATA ANALYTICS

(Common to B.E. Computer Science and Engineering)

(Regulations 2013)

Time : Three Hours   Maximum : 100 Marks

Answer ALL questions

PART – A   (10×2=20 Marks)

1. What are the challenges of conventional systems ?

2. Distinguish between analysis and reporting.

3. Define Regression Modeling with example.

4. Difference between linear system analysis and nonlinear dynamics.

5. Define stream data model and its architecture.

6. How oneness is counted in window ?

7. Define Apriori algorithm.

8. How clustering is done in non-Euclidean space ?

9. What is sharding ?

10. Define Map-reduce with an example.

PART – B   (5×16=80 Marks)

11. a) Discuss in detail about statistical concepts.

(OR)

b) What are analytical processes and what are the tools used in it ?

12. a) Explain in detail about the different methods used in time series.

(OR)

b) How data is analyzed using Bayesian model ?

13. a) Briefly explain Real-time analytic platform and its application.

(OR)

b) What is decaying window ? Briefly explain it with an example.

14. a) What are the different clustering techniques and explain each with an example ?

(OR)

b) Give a brief explanation of Market basket model.

15. a) Discuss Hadoop distributed file systems and its application.

(OR)

b) What are the visual data analysis techniques ? Explain each with an example.

———————