( 3 Hours ) Total Marks : 100

Note : : 1) All questions are compulsory.
2) Make suitable assumptions wherever necessary and state the assumptions made.
3) Numbers to the right indicate marks.

Q. 1 Attempt ***any two*** of the following 10
a What is data warehouse?
b Write a short note on information quality management.
c Briefly explain business analyst perspective.
d What is data warehouse? List and explain the characteristics of data warehouse.

Q. 2 Attempt ***any three*** of the following 15
a Differentiate between operational system and informational system.
b List and explain the characteristics of data warehouse.
c Write a short note on integrated sector.
d What are data marts?
e What are components of data warehouse environment?
f Explain evolution of data warehouse from the business perspective.

Q. 3 Attempt ***any three*** of the following 15
a Write a short note on enterprise metadata.
b Write a short note on metadata.
c Explain enterprise reference model in brief.
d How data correction stream works?
e What is spiral model methodology?
f Write a short note on heuristic analysis.

Q. 4 Attempt ***any three*** of the following 15
a Write a short note on corporate data model.
b Briefly explain peak period processing.
c Write a short note on firewall.
d Write a short note on dormant data.
e How to monitor data quality?
f What is a summarized data?

Q. 5 Attempt ***any three*** of the following 15
a Explain in brief continuous time span data.
b Write a short note on non-overlapping records.
c Explain throughput with respect to ETL.
d Explain ETL in online mode.
e Explain how data flows into integrated sector.
f Write a short note on ETL mapping.

Q. 6 Attempt ***any three*** of the following 15

a What are functions of granularity manager?
b Write a short note on filtering data.
c How transaction processing can be parallelized?
d Define online response time.
e Write a short note on building the metadata infrastructure.
f Write a short note on workload management.

Q. 7 Attempt ***any three*** of the following 15

a Write a short note on need of data warehouse.
b How DW is implemented on database systems?
c How data is deployed in data warehouse?
d Explain maintenance of data warehouse.
e Explain in brief physical design process.
f Write a short note on growth of DW.

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