(DSSE31)

B.Sc. DEGREE EXAMINATION, DECEMBER - 2015

(Examination at the end of Third Year)

Part - II : INFORMATION TECHNOLOGY

Paper - I : Software Engineering

Time : 3 Hours **Maximum Marks : 80**

Answer any five questions

All questions carry equal marks

1) a) What are the core principles of software engineering.

b) Explain about incremental model and its advantages.

2) Write about the software process and project metrics.

3) a) Explain about domain analysis with a neat diagram.

b) Discuss about software quality assurance.

4) Discuss the design principles and concepts in the design of software.

5) What are the analysis concepts and principles?

6) Define archetypes? Explain representing the system in context of architectural design with neat diagram?

7) Discuss about golden rules in User Interface Design?

8) Discuss about the software testing techniques?

9) Briefly explain about User Interface Design.

10) Explain a software testing strategy for Object Oriented Strategy?

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(DSCCN31)

B.Sc. DEGREE EXAMINATION, DECEMBER - 2015

(Examination at the end of Third Year)

Part - II : INFORMATION TECHNOLOGY

Paper - II : Computer Communications & Networks

Time : 3 Hours **Maximum Marks : 80**

Answer any five questions

All questions carry equal marks

1) Explain in detail about the OSI Reference model?

2) Write about Analog and Digital Signals.

3) Explain :

a) Multi flexing.

b) Block & Linear Block Coding.

4) Write about Flow control & Error control mechanisms in Data link control & its protocols?

5) Explain about the various types of computer networks with an example for each in detail.

6) Discuss about switching mechanism.

7) Explain about the TCP & UDP.

8) Discuss about Repeater, hubs, Routers, Switches & Bridges.

9) Discuss about congestion control & QOS?

10) Explain the PPP and list out the applications.

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(DSBC31)

B.Sc. DEGREE EXAMINATION, DECEMBER - 2015

(Examination at the end of Third Year)

Part – II : INFORMATION TECHNOLOGY

Paper - III : Basics of E-Commerce

Time : 3 Hours **Maximum Marks : 80**

Answer any five questions

All questions carry equal marks

1) Discuss about the benefits and limitations of E-commerce?

2) Write about the driving forces of e-commerce?

3) Explain advertisement methods and strategies in detail?

4) Write a brief note on economics and effectiveness of advertisement?

5) Explain in detail about broker based services and tourism services?

6) Define online publishing? Explain the procedure for online publishing?

7) What are the advantages of trading stocks online?

8) Discuss about electronic payment system and its protocols?

9) Explain

a) Electronic Funds Transfer.

b) Security schemes in detail.

10) Write about the use of credit card systems on internet for E-commerce Transactions?

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(DSDW 31)

B.Sc. DEGREE EXAMINATION, DECEMBER - 2015

(Examination at the end of Third Year)

Part - II : INFORMATION TECHNOLOGY

Paper - III : Data Warehousing

Time : 3 Hours **Maximum Marks : 80**

Answer any five questions

All questions carry equal marks

1) What is Data warehouse? Why so we need tools to manage a data warehouse?

2) Explain the structure of starflake schema in detail.

3) What is meant by project estimation. Explain the following.

a) Project work break down structure.

b) Critical path analysis.

4) What is a data mart. Discuss about the design of data marts?

5) Discuss various methodologies for developing data warehousing?

6) Briefly explain the physical data warehouse?

7) Discuss about data partition in data warehousing?

8) Explain the architecture of oracle warehouse builder software?

9) What is data mining. Discuss about the components and functions of data mining?

10) Discuss about OLAP and OLTP?

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(DSVP31)

B.Sc. DEGREE EXAMINATION, DECEMBER - 2015

(Examination at the end of Third Year)

Part II – Information Technology

Paper - V : VISUAL PROGRAMMING

Time : 3 Hours **Maximum Marks : 80**

Answer any five questions

All questions carry equal marks

1) Describe the features of VC++ compiler package and list its uses.

2) Explain different types of operators in c++.

3) Explain in detail about Project Menu, Build Menu and Tools Menu.

4) Create a simple program in VC++ Editor. Write a procedure to execute and debugging of it.

5) Explain the following :

a) fseek( ) b) ftell( ) c) rewind d) stream lining I/O.

6) Describe the Windows environment and explain its advantages.

7) What is a Header File? What are the uses of header files and explain in detail about any four standard header files?

8) a) Describe MFC design considerations.

b) Write a code to draw rectangle, pie, and ellipse.

9) Discuss App wizard and class wizard.

10) Explain the following :

a) Procedure oriented windows applications.

b) Creating a container application using wizards and OLE features.

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