

(DSSE 31)

**ASSIGNMENT-1**  
**B.Sc. DEGREE EXAMINATION, DEC. - 2017**  
**Third Year**  
**SOFTWARE ENGINEERING (IT) (P - I)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** a) Define Software Engineering. Explain about the Software Process.  
b) Explain about RAD model.
- Q2)** a) Explain about the people involved in the project management.  
b) Explain about project metrics.
- Q3)** a) Discuss about behavioural models.  
b) Discuss Spiral Model.
- Q4)** a) Discuss about functional and non-functional requirements of software.  
b) Discuss about the Requirements analysis.
- Q5)** a) Discuss about various design concepts.  
b) Explain about Software Architecture importance.

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**ASSIGNMENT-2**  
**B.Sc. DEGREE EXAMINATION, DEC. - 2017**  
**Third Year**  
**SOFTWARE ENGINEERING (IT) (P - I)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)* Explain in detail about Software Quality assurance.
- Q2)* Explain the various design issues associated with the User Interface Design.
- Q3)* Discuss about golden rules in User Interface Design.
- Q4)* Discuss about software testing techniques in detail.
- Q5)* Explain various software testing strategies.

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**ASSIGNMENT-1**  
**B.Sc. DEGREE EXAMINATION, DECEMBER – 2017**  
**Third Year**  
**INFORMATION TECHNOLOGY (Part – II)**  
**Computer Communications & Network (Paper -I)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** What are periodic and periodic signals. Give an explanatory note on classification of analog signals?
- Q2)** Discuss about multiplexily and explain about transmission media?
- Q3)** Discuss about error detection and convention?
- Q4)** Explain about Network layer protocol?
- Q5)** Define SMTP? Explain briefly SMTP.

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**ASSIGNMENT-2**  
**B.Sc. DEGREE EXAMINATION, DECEMBER – 2017**  
**Third Year**  
**INFORMATION TECHNOLOGY (Part – II)**  
**Computer Communications & Network (Paper -I)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)* Explain about point – to – point protocol.
- Q2)* Explain to metropolitan area network in detail?
- Q3)* Discuss about internetworking devices?
- Q4)* Discuss about TCP & UDP?
- Q5)* What are the digital services available to telephone customers. What is FTTC and who are it.

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**ASSIGNMENT-1**  
**B.Sc. DEGREE EXAMINATION, DEC. - 2017**  
**Third Year**  
**BASICS OF E – COMMERCE (IT)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** Explain the potential benefits of Electronic Commerce. Also state the impact of Electronic Commerce.
- Q2)** What are the essential requirements for E-commerce. Also state critical factors for E-Commerce success.
- Q3)** Explain the objective and growth of internet advertisement.
- Q4)** What is PUSH Technology? What is Intelligent Agents?
- Q5)** Discuss on-line advertising mechanism. Also state its rationale.

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**ASSIGNMENT-2**  
**B.Sc. DEGREE EXAMINATION, DEC. - 2017**  
**Third Year**  
**BASICS OF E – COMMERCE (IT)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** What is on-line publishing? State its procedure and practical aspects.
- Q2)** Trace out the origin and evolution of Innovations in E-Payment System.
- Q3)** What is Credit – Card? Also explain what is credit card based electronic payment system.
- Q4)** Write a short notes on the following:
- a) E-Cash.
  - b) Digital Currency.
- Q5)** Explain:
- a) The Driving forces of E-commerce.
  - b) Trading Stocks on-line.

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**ASSIGNMENT-1**  
**B.Sc. DEGREE EXAMINATION, DEC. - 2017**  
**Third Year**  
**P – VI : DATA WAREHOUSING (IT)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** What is warehouse? Explain Star Scheme Design.
- Q2)** Explain about design methodologies of data warehousing.
- Q3)** Explain about ETL Architecture.
- Q4)** Explain managing data in the data warehousing project.
- Q5)** Explain different components and access tools of data warehousing.

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**ASSIGNMENT-2**  
**B.Sc. DEGREE EXAMINATION, DEC. - 2017**  
**Third Year**  
**P – VI : DATA WAREHOUSING (IT)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** What is datamining. Describe the components of a datamining System and benefits.
- Q2)** Explain about OLAP.
- Q3)** a) Clustering  
b) MOLAP
- Q4)** Explain about the indexing approach for a data warehouse.
- Q5)** a) Meta data.  
b) Data Mining.



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**ASSIGNMENT-1**  
**B.Sc. DEGREE EXAMINATION, DEC. – 2017**  
**Third Year**  
**VISUAL PROGRAMMING (IT)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

- Q1)** What are minimum hardware and software requirements for visual C++ and write steps to windows installation.
- Q2)** Explain about Automation and macros in VC++.
- Q3)** How can you search a topic from the content window.
- Q4)** Explain the layout of a window and explain common features of windows applications.
- Q5)** Explain about windows Dialog Boxes.

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**ASSIGNMENT-2**  
**B.Sc. DEGREE EXAMINATION, DEC. – 2017**  
**Third Year**  
**VISUAL PROGRAMMING (IT)**  
**MAXIMUM MARKS: 30**  
**Answer ALL Questions**

**Q1)** Describe about WinMain ( ) function and WNDCLASS.

**Q2)** What are principles and guidelines for MFC design.

**Q3)** What is the use of GDI application.

**Q4)** Explain the following

- a) Events
- b) Methods
- c) Persistence

**Q5)** Create a BASIC ActiveX control.