B.Sc. DEGREE EXAMINATION, DECEMBER – 2018
Third Year
COMPUTER SCIENCE
Software Engineering (IT) (Part – II)

Time : 3 Hours   Maximum Marks :70

Answer any five questions.
All questions carry equal marks.

Q1) Compare the incremental model and the spiral model.

Q2) Explain black box testing methods and its advantages and disadvantages.

Q3) Explain in detail about COCOMO model.

Q4) Explain the importance of user interface design in sale of software.

Q5) What are the various testing strategies to software testing? Discuss them briefly.

Q6) Explain the need for software measures and describe various metrics.

Q7) a)   What is software maintenance? How to control maintenance cost?

   b)   What is meant by software quality? Give an overview of software quality factor?

Q8) Explain in detail about data oriented Analysis.

Q9) Describe various prototyping techniques and discuss on object oriented analysis and modeling?

Q10) Explain about software Development Life Cycle in detail?

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B.Sc. DEGREE EXAMINATION, DECEMBER – 2018
Third Year
COMPUTER COMMUNICATIONS AND NETWORKS (IT)

Time : 3 Hours   Maximum Marks :70

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Answer any five questions.
All questions carry equal marks.

Q1) Briefly explain how Error detection and correction achieved by a network?

Q2) Name the seven layers of OSI reference model and describe their functions in brief.

Q3) What are different types of transmission medium used in data communication systems? Compare their merits and demerits.

Q4) Differentiate between a point-to-point direct link and a multipoint guided configuration.

Q5) Explain about the data link layer in detail.

Q6) Explain the difference between circuit switching and packet switching. Discuss their relative advantages?

Q7) Discuss about Metropolitan area network?

Q8) Explain the functionalities of Transport layer.

Q9) What is the difference between open-loop congestion control and closed-loop congestion control?

Q10) What do you understand by CSMA/CA protocols? Briefly explain its working?

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B.Sc. DEGREE EXAMINATION, DECEMBER – 2018
Third Year
BASICS OF E-COMMERCE (IT)

Time : 3 Hours   Maximum Marks :70

Answer any five questions.
All questions carry equal marks.

Q1) Define E-Commerce. What is its essence? Also state its contents.

Q2) Describe the nature of E-commerce. Also state its activities and rationality.

Q3) What do you understand by the word Advertisement in E-commerce? Also critically analyse its relative merits and demerits.

Q4) What is Advertisement Strategy? How E-Commerce will promote cost-effective advertisements?

Q5) How to order Journals electronically? Explain its operational procedure.

Q6) How to effect Broakor Based Services by using E-Commerce. Make special reference to recent developments in Indian Context.

Q7) Attempt the following :
   a)   Cyber Banking.
   b)   Online Publications.

Q8) What is Electronic Payment Systems? Explain different types of EPS with their features and suitability.

Q9) What is Internet, Intranet and Extranet? Explain their essence. Also state their relationship and Interrelationship.

Q10) What is e-Cash? Explain different types of e-Cash with their characteristic features and suitability.

B.Sc. DEGREE EXAMINATION, DECEMBER – 2018
Third Year
DATA WAREHOUSING (IT)

Time : 3 Hours   Maximum Marks :70

Answer any five questions.
All questions carry equal marks.

Q1) What is a data warehouse? Who need it and why?

Q2) Discuss in detail about project estimates, project work Breakdown and Critical Path Analysis.

Q3) Explain managing data in the data warehousing project.

Q4) Discuss various methodologies for developing data warehousing.

Q5) Explain about Data Marts and star scheme design.

Q6) Discuss various risk involved in developing a warehouse.

Q7) What is data warehouse? Discuss the structure of physical data warehouse.

Q8) Discuss about data partition in data warehousing.

Q9) Explain about decision trees.

Q10) What is data mining? Discuss about the components and functions of data mining.

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B.Sc. DEGREE EXAMINATION, DECEMBER – 2018
Third Year
VISUAL PROGRAMMING (IT)

Time : 3 Hours   Maximum Marks :70

**Answer any FIVE questions.**
**All questions carry equal marks.**

Q1) Define Visual C++? Explain Visual C++ compiler version.

Q2) Define Visual C++ IDE? And explain about the Tools Menu in Visual C++?

Q3) Explain the following :

i)   ftell()   ii)   fseek()

iii)   socket   iv)   syntax error

Q4) Explain Window development tools of Visual C++?

Q5) Define Debugging? Explain about the advanced Debugging techniques.

Q6) Elaborate in detail about MFC and Event Handling.

Q7) Describe simple procedure oriented programs using SDK?

Q8) Explain the key features of the MFC Library?

Q9) Define OLE? Explain about OLE features and specifications.

Q10) What is Activex Controls and write about the ATL Vs Activex?