

(DSSE31)

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B.Sc. DEGREE EXAMINATION, MAY – 2018

Third Year

SOFTWARE ENGINEERING (IT)

Time : 3 Hours

Maximum Marks :70

Answer any five questions.

All questions carry equal marks.

- Q1)** a) Illustrate capability maturity model with suitable diagram. Discuss its role in SQA?
b) Write and explain the metrics for software maintenance?
- Q2)** Explain the incremental process model with advantages and disadvantages?
- Q3)** Explain in detail about data oriented Analysis?
- Q4)** What are the design principles of a good software design? Explain.
- Q5)** What is testing? Explain the different levels of testing?
- Q6)** a) What are essentials in project management?
b) Discuss about the project planning activities?
- Q7)** Explain about function Modelling in detail?
- Q8)** Discuss about Architectural design?
- Q9)** Explain about software Development Life Cycle in detail?
- Q10)** a) Explain briefly about project size estimation?
b) What are software quality factors?



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B.Sc. DEGREE EXAMINATION, MAY – 2018

Third Year

COMPUTER COMMUNICATIONS AND NETWORKS (IT)

Time : 3 Hours

Maximum Marks :70

Answer any five questions.

All questions carry equal marks.

- Q1)** Explain briefly about OSI Reference models in detail?
- Q2)** Discuss about guided transmission media?
- Q3)** Explain about Error detection and correction in detail?
- Q4)** What do you mean by URL and internet address? How is URL mapped to internet address during a web access?
- Q5)** Explain why congestion occurs in packet switched network? How is congestion controlled?
- Q6)** Write about transport layer briefly.
- Q7)** Write a short notes:
a) Sliding window protocol
b) Packet Routing
- Q8)** What is multiplexing? Explain various types of multiplexing?
- Q9)** What is IP datagram? Differentiate between IP datagram format and TCP network format?
- Q10)** What is the difference between connection oriented and connection-less services?



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B.Sc. DEGREE EXAMINATION, MAY – 2018

Third Year

BASICS OF E-COMMERCE (IT)

Time : 3 Hours

Maximum Marks :70

Answer any five questions.

All questions carry equal marks.

- Q1)** Trace out the origin and evolution of E-Commerce. Also state its contribution to modern business work.
- Q2)** Explain the nature of E-Commerce. Also state its scope and limitations.
- Q3)** What is web advertisement? List out various advertisement methods. Also explain all of them in brief.
- Q4)** Describe advertisement effectiveness? How to measure advertisement effectiveness? Make special reference to E-Commerce advertisements.
- Q5)** Describe the specific role of E-Commerce for service industry. Make special reference to developing countries.
- Q6)** How to effect Travel and Tourism services by using E-Commerce? Also state its pre-requisites.
- Q7)** In what way E-Commerce is useful in trading stock on-line? Also identify risks associated in that method?
- Q8)** What do you mean by electronic fund transfer? Also describe various methods of EFT and identify its associated risks.
- Q9)** Attempt the following:
i) Security schemes in e-Commerce.
ii) Internet indecency and the role of censorship.
- Q10)** What is E-Payment security mechanism? Identify a suitable method useful for Indian banks.



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B.Sc. DEGREE EXAMINATION, MAY – 2018

Third Year

DATA WAREHOUSING (IT)

Time : 3 Hours

Maximum Marks :70

Answer any five questions.

All questions carry equal marks.

- Q1)** What is Data warehouse? Explain why it is needed and its uses?
- Q2)** What is meant by project estimation? Explain the following.
- a) Project work break down structure.
 - b) Critical path analysis.
- Q3)** Explain the procedure. How you build and manage Data warehouse program?
- Q4)** Explain Data warehousing design methodologies.
- Q5)** Explain about star schema design.
- Q6)** Discuss about data marts in detail.
- Q7)** Explain about physical Data warehouse.
- Q8)** Explain about ETL Architecture.
- Q9)** Explain about indexing the warehouse.
- Q10)** Explain about different OLAP Tools.



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B.Sc. DEGREE EXAMINATION, MAY – 2018

Third Year

VISUAL PROGRAMMING (IT)

Time : 3 Hours

Maximum Marks :70

Answer any five questions.

All questions carry equal marks.

- Q1)** What is IDE? Explain how to start the Visual C++ IDE?
- Q2)** Describe some important features of Compiler and also write some compiler options?
- Q3)** Explain the following?
- i) Rewind
 - ii) Stream lining I/O
 - iii) Splitter window
 - iv) Modal Dialog
- Q4)** Define Debugging? Explain about the advanced Debugging techniques?
- Q5)** Explain the steps in App Wizard and Class Wizard?
- Q6)** What are mouse Events explain?
- Q7)** Define SDK? Write a simple procedure oriented program using SDK?
- Q8)** Describe a simplified MFC Applications and Window Applications using the MFC?
- Q9)** Define OLE? Explain about OLE features and its specifications?
- Q10)** What is ActiveX Controls and write about the ATL Vs ActiveX?

