

16-02-2022

(CSC 5305-6)  
**B.Sc. Degree (CBCS) Examinations**  
FEBRUARY - 2022  
EXAMINATION AT THE END OF SEMESTER- V  
PART - II COMPUTER SCIENCE  
SOFTWARE ENGINEERING

TIME : Three hours

Maximum : 60 Marks

SECTION - A

Answer any **FIVE** of the following

5 x 4 = 20 M

1. Explain about Process and Project metrics
2. Define Software process
3. Define Functional and Non functional requirements
4. List various types of cohesion
5. Explain various steps of Interface design
6. Explain about Reverse Engineering
7. Explain CASE tools
8. Write about Software Quality Assurance
9. Explain UI Standards
10. Write about Software Architecture

SECTION - B

Answer the following questions

5 x 8 = 40 M

11. (a) With a neat diagram, explain the water fall model of Software development process  
(OR)  
(b) Discuss about iterative and Spiral Models
12. (a) What is Requirement Specification? Explain various ways to write Requirement specification  
(OR)  
(b) Write a short note on Analysis Model
13. (a) Write a short notes on Architectural and Procedural Software Design  
(OR)  
(b) Write a short note on DFD? Explain it with an example
14. (a) Write the Golden rules for good User interface design  
(OR)  
(b) Explain Human-Computer Interaction and various Interface standards
15. (a) Explain briefly about Integration, validation and System testing  
(OR)  
(b) Explain Black Box and White Box testing processes with an example

**(CSC – 5305-6)**  
**B.Sc Degree (CBCS) Instant Examinations-September 2021**  
**SEMESTER-V**  
**SOFTWARE ENGINEERING**

ME: 3 Hrs

Max Mar

**SECTION – A**

Answer any **FIVE** of the following

5 x 4 = 20 M

1. Distinguish between Software Process and Project
2. Mention and explain the key challenges or issues facing in Software engineering
3. Define Cohesion and Coupling
4. What is an effective modular design?
5. Differentiate between Validation and Verification
6. Explain about Reverse Engineering
7. Explain CASE tools
8. Write about Analysis Principles
9. Explain UI Standards
10. List various types of Feasibility Studies

**SECTION – B**

Answer the following questions

5 x 8 = 40 M

11. (a) With a neat diagram, explain the water fall model of Software development process  

(OR)

(b) Write about Empirical Estimation models
12. (a) What is Requirement Specification? Explain various ways to write Requirement specification  

(OR)

(b) Write about Analysis Concepts and Principles
13. (a) Write a short notes on Architectural and Procedural Software Design  

(OR)

(b) Write a short note on DFD? Explain it with an example
14. (a) Write the Golden rules for good User interface design

(OR)

- (b) Explain Human-Computer Interaction and various Interface standards  
15. (a) Explain briefly about Path testing and Control Structures testing

(OR)

- (b) Explain Black Box and White Box testing processes with an example

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**(CSC 5305-6)**  
**B.Sc. (MPcs, MSCS, MECS) (CBCS) Examinations**  
**OCTOBER - 2019**  
**EXAMINATION AT THE END OF SEMESTER- V**  
**PART - II COMPUTER SCIENCE**  
**SOFTWARE ENGINEERING**

TIME : Two and half hours

Maximum :

Section – A (5X4=20 marks)

Answer any five of the following

1. What is software estimation
2. Explain Process and Project Metrics
3. Write about feasibility Study
4. Explain software Decomposition Techniques
5. Write a short note on cohesion and Coupling
6. Explain Requirement Engineering process
7. Explain Interface Design steps
8. Explain Real Time Systems
9. Explain about Case Tools
10. Explain UI Standards

Section – B(5X8=40 marks)

Answer any one question from each unit

UNIT 1

11. A. Explain about water fall Model & Iterative Process Model  
(OR)  
B. Explain Software project Scheduling

UNIT 2

12. A. Explain Requirements Elicitation Process and Techniques.  
(OR)  
B. Explain Analysis Model.

UNIT 3

13. A. Explain architectural design in detail.  
(OR)  
B. Explain data flow oriented design..

UNIT 4

14. A. Explain computer interface design.  
(OR)  
B. Explain human computer interaction.

UNIT 5

15. A. Explain black box testing.  
(OR)  
B. Explain validation and system test.

(CSC 5305-6)  
**B.Sc. (MPCS, MSCS, MECS) (CBCS) Examinations**  
MARCH - 2021  
EXAMINATION AT THE END OF SEMESTER- V  
PART - II COMPUTER SCIENCE  
SOFTWARE ENGINEERING

TIME : Three hours

Maximum : 60 Marks

**SECTION - A**

Answer any **FIVE** of the following

**5X4=20 Marks**

1. What is Software Engineering? Explain
2. Explain about the Spiral Model
3. Explain Requirement Analysis
4. Explain types of Feasibility study
5. Explain in detail about Cohesion
6. Explain in detail about Coupling
7. Explain User Interface Design steps
8. Explain Real time systems
9. Explain Analysis and Design tools
10. Explain about CASE Tools

**SECTION- B**

Answer any **FIVE** of the following

**5X8=40 Marks**

11. (A) Explain about Software Measurements  
(Or)  
(B) Explain about Water fall Model & Iterative Process Model
12. (A) Explain Software Requirement specifications  
(Or)  
(B) Explain about Analysis Model
13. (A) Explain DFD (Data Flow Diagrams)  
(Or)  
(B) Explain Software Design Concepts
- 14 (A) Explain Human Computer Interaction  
(Or)  
(C) Explain Golden Rules for User Interface Design
15. (A) Explain Black box Testing  
(Or)  
(B) Explain Basis Path Testing

