VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234

DEPARTMENT OF COMPUTER SCIENCE

Course Code:	10CT21	**Programme:**	B.Sc. Computer Science	**CIA:**	**I**
Date:	20.01.2023	**Part:**	III	**Semester:**	**II**
Duration:	2 Hours	**Academic Year:**	2022-23	**Max. Marks:**	**50**
Study Component:		Core Course			
Course Title:	**OBJECT ORIENTED PROGRAMMING WITH C++**				

SECTION – A (Remembering)

Answer **ALL** the Questions: **(10 X 1 = 10 Marks)**

1 OOP language supports object based features, inheritance and _____. **CO1**
A. Encapsulation. B. Polymorphism. C. Object identity. D. Functions

2 A structure defines a _____type. **CO1**
A. class. B. pointers. C. arrays. D. variables.

3 Which of the following is a logical operator? **CO1**
A. ++ B.?: C. == D. &&

4 A _____ is an instance of class. **CO1**
A. code. B. object. C. variable. D. pointer

5 An _____ is a real world entity **CO1**
A. procedure B. object C. class D. function

6 main() is a_____ function. **CO1**
A. built in. B. user defined. C. constant. D. derived.

7 Which of the following is not a correct data type? **CO1**
A. Float. B. Real. C. Int. D. Double.

8 _____ function is a function that calls itself repeatedly. **CO2**
A. Friend. B. Inline. C. Recursive. D. Member.

9 Which of the following is a correct comment? **CO2**
A. */ Comments */. B. ** Comment **. C. /* Comment */. D. { Comment }.

10 _____ is the newline character. **CO2**
A. \t B. \b C. \a D. \n

SECTION – B (Remembering)

Answer any **FIVE** Questions: **(5 X 2 = 10 Marks)**

11 List out the type of data type **CO1**
12 Write any 4 type of operator **CO1**
13 Define constants **CO1**
14 Write any 10 keyword in C++ **CO1**
15 Define Variables **CO1**
16 Define function **CO2**
17 Write the syntax of function **CO2**

SECTION – C (Understanding)

Answer any **THREE** Questions: **(3 X 6= 18 Marks)**

18 Explain the Features of Object oriented Programming **CO1**
19 Difference between C and C++ **CO1**
20 Explain Keywords, Identifier and Data types **CO1**
21 Explain about functions **CO2**
22 Illustrate Inline functions **CO2**

SECTION – D (Applying)

Answer any **ONE** Question: **(1X 12= 12 Marks)**

23 Explain about the basic concepts of object oriented programming **CO1**
24 Explain about the call by reference in function. **CO2**

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DEPARTMENT OF COMPUTER SCIENCE					
Course Code:	10CT22	**Programme:**	B.Sc. Computer Science	**CIA:**	**I**
Date:	24.01.2023	**Part:**	III	**Semester:**	**II**
Duration:	2 Hours	**Academic Year:**	2022-23	**Max. Marks:**	**50**
Study Component:		Core Course			
Course Title:	**DATA STRUCTURE**				

SECTION – A (Remembering)

Answer ALL the Questions: **(10 X 1 = 10 Marks)**

1 ____refers to a value or a set of values or facts **CO1**
a) Database b) Data c) Table d) Record

2 ____ is a collection of field values of a given entity **CO1**
a) File b) Data Item c) Record d) Entity Set

3 ____ refers to a single unit of value in a record **CO1**
a) Relation b) Tuples c) Data Item d) Objects

4 ____ is storing of data elements based on relationship, for better organization and easy storage of data. **CO1**
a) DBMS b) Data Mining c) Data structure d) File

5 Which one of these is a Non-Primitive data structure **CO1**
a) integer b) float c) char d) stack

6 _____ is a data structure that can hold a fixed number of items which are similar in data type **CO1**
a) Graph b) Linked list c) Linear Array d) Integer

7 The Index can start from 0 to ____ **CO1**
a) 10 b) 2 c) n d) 5

8 If a Linear Array can hold 9 elements then the maximum value of the index is ____ **CO2**
a) 0 b) 9 c) 7 d) 8

9 A tree is a data structure which represents hierarchical relationship between individual _____. **CO2**
a) data items b) fields c) nodes d) linked list

10 Queue is a _____List. **CO2**
a) LIFO b) Top c) FIFO d) None

SECTION – B (Remembering)

Answer any FIVE Questions: **(5 X 2 = 10 Marks)**

11 Give any two uses of a data structure? **CO1**

12 Give any two examples for Non Linear Non primitive data structure? **CO1**

13 Define a Record? **CO1**

14 Define a data structure? **CO1**

15 List the attributes of a Linear Array? **CO1**

15 Distinguish searching and sorting operation with suitable examples for each? **CO2**

17 Define Binary search? **CO2**

SECTION – C (Understanding)

Answer any THREE Questions: **(3 X 6= 18 Marks)**

18 Classify the organization of datastructures. **CO1**

19 Summarize the representation of Linear Arrays in memory. **CO1**

20 Critically analyze the implementation of a linear array. **CO1**

21 Discuss on the characteristics of tree datastructure. **CO2**

22 Brief a note types of sorting used in an array. **CO2**

SECTION – D (Applying)

Answer any ONE Question: **(1X 12= 12 Marks)**

23 Explain in detail types and characteristics of datastructure **CO1**

24 Explain in detail insertion and deletion operation in a Linear array using a C program **CO2**

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VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234

DEPARTMENT OF COMPUTER SCIENCE					
Course Code:	10AE21	**Programme:**	B.Sc. Computer Science	**CIA:**	**I**
Date:	25.01.2023	**Part:**	III	**Semester:**	**II**
Duration:	2 Hours	**Academic Year:**	2022-23	**Max. Marks:**	**50**
Study Component:		Ability Enhancement Course			
Course Title:	**STATISTICS AND NUMERICAL METHODS**				

SECTION – A (Remembering)

Answer **ALL** the Questions: **(10 X 1 = 10 Marks)**

1 _____ used to interpolate nearer to starting value of table **CO4**
a) Newton forward b) Newton backward c) Guass forward and backward
d) all

2 _____ used to interpolate nearer to end value of table **CO4**
a) Newton forward b) Newton backward c) Guass forward and backward
d) all

3 _____formulae used for equal interval **CO4**
a) Newton forward b) Newton backward c) both a and b
d) none

4 To implement Guass Jordan method matrix reduced to **CO4**
a) upper triangular matrix b) lower triangular matrix c) unit or diagonal matrix d)none

5 To implement Guass Elimination method matrix reduced to **CO4**
a) upper triangular matrix b) lower triangular matrix c) unit or diagonal matrix d)none

6 To implement interpolate h should be **CO4**
a) constant b) not equal c) matrix d) none

7 To implement Guass Elimination method matrix should be **CO4**
a) square matrix b) 3X4 matrix c) diagonal matrix d)none

8 Guass forward and backward interpolation derived from_____ **CO5**
a) Newton forward b) Guass forward and backward c) Laplace Everett
d) Newton's cote

9 _____formulae used for Central table of value **CO5**
a) Newton forward b) Newton backward c) Gauss forward & backward
d) none

10 The order of the matrix B= [1 2 5 7 5] is _____. **CO5**
A. 1*1 B. 1*2 C. 1*5 D. 1*3

SECTION – B (Remembering)

Answer any **FIVE** Questions: **(5 X 2 = 10 Marks)**

11 Define interpolation **CO4**

12 Write procedure Gauss-Elimination method **CO4**

13 Define Square Matrix **CO4**

14 Write a formula of Newton backward interpolation with v **CO4**

15 Can you apply interpolation for the problem tell the reason **CO4**

X	**0**	**1**	**2**	**3**
Y	**5**	**6**	**4**	**3**

16 Define Central interpolation **CO5**

17 Write a formula of Gauss forward interpolation **CO5**

SECTION – C (Understanding)

Answer any **THREE** Questions: **(3 X 6= 18 Marks)**

18 Solve the system by Gauss- Jordan Elimination method x - 2y + z =0; 2x + y - 3z = 5; 4x -7y + z =-1 **CO4**

19 . Find a polynomial of degree two which takes the values **CO4**

X	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Y	**1**	**2**	**4**	**7**	**11**	**16**	**22**	**29**

20 Find the inverse of by Gaussian Elimination Method using A= $\begin{matrix} 3 & 0 & 2 \\ 2 & 0 & -2 \\ 0 & 1 & 1 \end{matrix}$ **CO4**

21 Apply Gauss forward formula and estimate f(3.5) from the following table **CO5**

X	2	3	4	5
Y=f(x)	2.629	3.454	4.784	6.986

22 Apply Gauss backward formula and estimate $\sqrt{12516}$ from the following table **CO5**

X	$\sqrt{12500}$	$\sqrt{12510}$	$\sqrt{12520}$	$\sqrt{12530}$
Y	111.803399	111.848111	111.892805	111.937483

SECTION – D (Applying)

Answer any **ONE** Question: **(1X 12= 12 Marks)**

23 Find x=46 and x=63 from the following data and express in x terms **CO4**

X	45	50	55	60	65
Y	114.84	96.16	83.32	74.48	68.48

24 . From the following data find f(3.75) using Gauss's forward formula **CO5**

X	2.5	3.0	3.5	4.0	4.5	5.0
Y	24.145	22.043	20.225	18.644	17.262	16.047

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VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234

DEPARTMENT OF COMPUTER SCIENCE					
Course Code:	10CT41	**Programme:**	B.Sc. Computer Science	**CIA:**	**I**
Date:	20.01.2023	**Part:**	III	**Semester:**	**IV**
Duration:	2 Hours	**Academic Year:**	2022-23	**Max. Marks:**	**50**
Study Component:		Core Course			
Course Title:	**RELATIONAL DATABASE MANAGEMENT SYSTEM**				

SECTION – A (Remembering)

Answer ALL the Questions: **(10 X 1 = 10 Marks)**

1 A relational database consists of a collection of **CO1**
a) Tables b) Fields c) Records d) Keys

2 A collection of conceptual tool for describing data, its relationships, semantics and constraints is called ____ **CO1**
a) Data items b) DBMS c) Data model d) Query language

3 The ability to modify a schema definition in a level without affecting a schema definition in another level is called _____ a) Data instance b) Data Model c) Data structure d) Data independence **CO1**

4 _____ key is used to access the attributes of an entity set **CO1**
a) Foreign b) candidate c) Primary d) Reference

5 ____ refers to a single unit of value in a record **CO1**
a) Relation b) Tuples c) Data Item d) Objects

6 Entity-Relationship model is an example of _____ **CO1**
a) Object based b) Record based c) Network based d) Physical based

7 _____ is a collection of operations that perform a single logical function in a database application **CO1**
a) Query b) Transaction c) Primary Key d) Referential integrity

8 _____ translates DML statements in a query language into low level instructions so that query evaluation engine understands it. **CO2**
a) DDL interpreter b) DML compiler c) File Manager d) Data Dictionary

9 For each attribute of a relation, there is a set of permitted values, called the _____ of that attribute. **CO2**
a) Domain b) Relation c) Set d) Schema

10 The term _____ used to refer to a row. **CO2**
a) Attribute b) Tuple c) Field d) Instance

SECTION – B (Remembering)

Answer any FIVE Questions: **(5 X 2 = 10 Marks)**

11 Give any two disadvantages of file processing system **CO1**

12 Distinguish DDL and DML **CO1**

13 Define a Record? **CO1**

14 Define a Entity Set? **CO1**

15 List the types of attributes used in E-R Model? **CO1**

15 List the types of Query Languages? **CO2**

17 Give the expression for a representing a query in Tuple relational calculus? **CO2**

SECTION – C (Understanding)

Answer any THREE Questions: **(3 X 6= 18 Marks)**

18 Classify and brief a note on different abstraction level of schema? **CO1**

19 Distinguish between physical and logical data independence in a schema **CO1**

20 Critically analyze the features of E-R Model? **CO1**

21 Discuss on any three operations of relational algebra. **CO2**

22 Brief a note roles of a database administrator in an organization? **CO2**

SECTION – D (Applying)

Answer any ONE Question: **(1X 12= 12 Marks)**

23 Explain in detail types and characteristics of object based data models **CO1**

24 Explain in detail overall structure of a database **CO2**

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DEPARTMENT OF COMPUTER SCIENCE					
Course Code:	10CT42	**Programme:**	B.Sc. Computer Science	**CIA:**	**I**
Date:	24.01.2023	**Part:**	III	**Semester:**	**IV**
Duration:	2 Hours	**Academic Year:**	2022-23	**Max. Marks:**	**50**
Study Component:		Core Course			
Course Title:	**DOT NET PROGRAMMING**				

SECTION – A (Remembering)

Answer **ALL** the Questions: **(10 X 1 = 10 Marks)**

1 Who developed Visual Basic? **CO1**
a) Symantec b) Ashton-Tate c) Microsoft d) Sybase

2 Which of the following extension is used to represent the project file in Visual Basic? **CO1**
a) .vbp b) .vb c) .cls d) .vvb

3 Which of the following applications can be developed using Visual Basic tool? **CO1**
a) Graphical User Interface b) Real-time
c) Character User Interface d) All of the mentioned

4 In the Visual Basic application, which of the following are listed in a properties window? **CO1**
a) Items b) Values c) Attributes d) Objects

5 Which of the following displays the list of projects contained in the Visual Basic current solution? **CO1**
a) List Window b) Project Window
c) Catalogue Window d) Solution Explorer Window

6 Which of the following instruction tells the computer to close the current form in Visual Basic? **CO1**
a) This.Close() b) Me.Close() c) Close.this() d) Close()

7 Which of the following returns a value after performing its specific task in Visual Basic? **CO1**
a) Structure b) Sub block c) Sub procedure d) Function Procedure

8 Which statement provides an alternate way of displaying information to the user? **CO2**
a) InputBox() b) MsgBox. c)AlertWindow() d) PromptUser().

9 Which control is an example of an object in VB.NET? **CO2**
a) Button b) Label c) Textbox d) All of the above

10 The CancelButton property belongs to which object? **CO2**
a) Button b) Form c) Label d) TextBox

SECTION – B (Remembering)

Answer any **FIVE** Questions: **(5 X 2 = 10 Marks)**

11 Define dot net? **CO1**
12 What do you mean by CLR? **CO1**
13 What is Variable? **CO1**
14 Define Data Types in VB.net. **CO1**
15 What is if statement with example? **CO1**
16 Define label control. **CO2**
17 Explain about Textbox control **CO2**

SECTION – C (Understanding)

Answer any **THREE** Questions: **(3 X 6= 18 Marks)**

18 Explain the Operator in VB.NET program **CO1**
19 Discusses about the While and Do while Statement **CO1**
20 Write a VB.NET program Prime number Generation. **CO1**
21 Write a Login form program using vb.net windows application. **CO2**
22 Explain the Group Box control with example. **CO2**

SECTION – D (Applying)

Answer any **ONE** Question: **(1X 12= 12 Marks)**

23 Explain about the Dot Net Framework components with diagram. **CO1**
24 Discuses about Radio button, Check box and picture box with example. **CO2**

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VIVEKANANDA COLLEGE, TIRUVEDAKAM WEST - 625234

DEPARTMENT OF COMPUTER SCIENCE					
Course Code:	10AE41	**Programme:**	B.Sc. Computer Science	**CIA:**	**I**
Date:	25.01.2023	**Part:**	III	**Semester:**	**IV**
Duration:	2 Hours	**Academic Year:**	2022-23	**Max. Marks:**	**50**
Study Component:		Ability Enhancement Course			
Course Title:	**NUMERICAL METHODS FOR COMPUTER SCIENCE**				

SECTION – A (Remembering)

Answer **ALL** the Questions: **(10 X 1 = 10 Marks)**

1 _____ used to interpolate nearer to starting value of table **CO2**

a) Newton forward b) Newton backward c) Guass forward and backward d) all

2 _____ used to interpolate nearer to end value of table **CO2**

a) Newton forward b) Newton backward c) Guass forward and backward d) all

3 _____formulae used for equal interval **CO2**

a) Newton forward b) Newton backward c) both a and b d) none

4 EY_0=_____ **CO2**

a) Y_{-1} b) y_0 c) y_1 d)y_2

5 How we find the missing value use of_____ **CO2**

a) Δ and E b) Δ and F c) Δ and G d)Δ and h

6 To implement interpolate h should be **CO2**

a) constant b) not equal c) matrix d) none

7 To implement Guass Elimination method matrix should be **CO2**

a) square matrix b) 3X4 matrix c) diagonal matrix d)none

8 Guass forward and backward interpolation derived from_____ **CO3**

a) Newton forward b) Guass forward and backward c) Laplace Everett d) Newton's cote

9 _____formulae used for Central table of value **CO3**

a) Newton forward b) Newton backward c) Gauss forward & backward d) none

10 The order of the matrix B= [1 2 5 7 5] is _____. **CO3**

A. 1*1 B. 1*2 C. 1*5 D. 1*3

SECTION – B (Remembering)

Answer any **FIVE** Questions: **(5 X 2 = 10 Marks)**

11 Define interpolation **CO2**

12 Write procedure Gauss-Elimination method **CO2**

13 Define Square Matrix **CO2**

14 Write a formula of Newton backward interpolation with v **CO2**

15 **CO2**

X	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Y	**1**	**2**	**4**	**7**	**11**	**16**	**22**	**29**

Can you apply interpolation for the problem tell the reason

16 Define Central interpolation **CO3**

17 Write a formula of Gauss forward interpolation **CO3**

SECTION – C (Understanding)

Answer any **THREE** Questions: **(3 X 6= 18 Marks)**

18 Solve the system by Gauss- Jordan Elimination method x + 2y + 2z =7; 3x + 2y +4z = 13; 4x +3y +2z =8 **CO2**

19 . Find a polynomial of degree two which takes the values **CO2**

X	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Y	**1**	**2**	**4**	**7**	**11**	**16**	**22**	**29**

20 Find the inverse of by Gaussian elimination Method using A= $\begin{matrix} 2 & 1 & 1 \\ 3 & 2 & 3 \\ 1 & 4 & 9 \end{matrix}$ **CO2**

21 Apply Gauss forward formula and estimate f(3.5) from the following table **CO3**

X	2	3	4	5
Y=f(x)	2.629	3.454	4.784	6.986

22 Apply Gauss backward formula and estimate$\sqrt{12516}$ from the following table **CO3**

X	$\sqrt{12500}$	$\sqrt{12510}$	$\sqrt{12520}$	$\sqrt{12530}$
Y	111.803399	111.848111	111.892805	111.937483

SECTION – D (Applying)

Answer any **ONE** Question: **(1X 12= 12 Marks)**

23 Find x=46 and x=63 from the following data and express in x terms **CO2**

X	45	50	55	60	65
Y	114.84	96.16	83.32	74.48	68.48

24 i)Find f(25) given f(20)=14, f(24)=32, f(28)=35 and f(32)=40 using Gauss forward formula **CO3**

(ii) using Gauss backward formula find the population of 1936 given that

Year	1901	1911	1921	1931	1941	1951
Population(1000)	12	15	20	27	39	52

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DEPARTMENT OF COMPUTER SCIENCE					
Course Code:	10CT61	**Programme:**	B.Sc. Computer Science	**CIA:**	**I**
Date:	24.01.2023	**Part:**	III	**Semester:**	**VI**
Duration:	2 Hours	**Academic Year:**	2022-23	**Max. Marks:**	**50**
Study Component:		Core			
Course Title:	**WEB PROGRAMMING**				

SECTION – A (Remembering)

Answer ALL the Questions: **(10 X 1 = 10 Marks)**

1 An ISP obtains a permanent internet connection through its _____ **CO1**
a) TCP/IP b) Pipeline c) Domain server d) Gateway

2 _____ is a provider of services in an internet **CO1**
a) Server b) Clients c) OS d) DNS

3 Server runs a special software called _____ so that it can respond to the client's requests. **CO1**
a) WWW software b) Operating System software c) Web browser software d) Web Server software

4 _____ is used to establish a connection between a web client and a web server internet **CO1**
a) web browser b) TCP/IP c) FTP d) HTML

5 _____ is a governing body used to register and issue IP addresses to the Internet Servers in the web. **CO1**

6 _____ is used to connect a local computer with a remote computer **CO1**
a) FTP b) SMTP c) TELNET d) HTTP

7 Which of the HTML tag does not require terminator tag? **CO1**
a) <u> b)
 c) <b> d)

8 Comments in HTML should be given using _____ **CO2**
a) <!– and — > b) <! and !> c) <!— and –"" d) //

9 _____ tag is used before beginning of the paragraph text **CO2**
a) <textarea> b) <sup> c) <p> d) <h1>

10 When a user views a web page containing JavaScript, which machine will execute the JavaScript? **CO2**
a) Client b) Server c) Java Web Server d) DNS

SECTION – B (Remembering)

Answer any FIVE Questions: **(5 X 2 = 10 Marks)**

11 Distinguish physical domain and virtual domain in internet? **CO1**

12 Who is the father of Internet and who developed HTML? **CO1**

13 Define Internet gateway **CO1**

14 Give the roles of InterNIC? **CO1**

15 Give the lexical structure of HTML Web page? **CO1**

15 What will be the result of the following code in JavaScript given below? **CO2**
var = "Mercedes"+16+4 ?

17 Give the syntax in JavaScript to give an output "I UNDERSTOOD JAVASCRIPT". **CO2**

SECTION – C (Understanding)

Answer any THREE Questions: **(3 X 6= 18 Marks)**

18 Discuss of the characteristics of a Server and Client in internet? **CO1**

19 Summarize on the concept of IP address and its significance in Internet? **CO1**

20 Discuss on the types of HTML tags? **CO1**

21 Discuss on the types of text styles in HTML? **CO2**

22 Brief a note the advantages of using JavaScript in web pages? **CO2**

SECTION – D (Applying)

Answer any ONE Question: **(1X 12= 12 Marks)**

23 Explain in detail the process of communication between the Web Client and Web Server? **CO1**

24 Explain in detail structure of an HTML web page with JavaScript in it? **CO2**

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DEPARTMENT OF COMPUTER SCIENCE					
Course Code:	10EP6A	**Programme:**	B.Sc. Computer Science	**CIA:**	**I**
Date:	25.01.2023	**Part:**	III	**Semester:**	**VI**
Duration:	2 Hours	**Academic Year:**	2022-23	**Max. Marks:**	**50**
Study Component:		Elective			
Course Title:	**SOFTWARE TESTING**				

SECTION – A (Remembering)

Answer **ALL** the Questions: **(10 X 1 = 10 Marks)**

1 White Box techniques are also classified as **CO1**
a) Design based testing b) Structural testing
c) Error guessing technique d) None of the mentioned

2 Which of the following is/are White box technique? **CO1**
a) Statement Testing b) Decision Testing
c) Condition Coverage d) All of the mentioned

3 Identify the term which is not related testing **CO1**
a) failure b) error c) test case d)test bot

4 Identify incorrect testing technique **CO1**
a) unit testing b) system testing c) collaboration testing d) function testing

5 By whom unit testing is done? **CO1**
a) customer b) developer c) customer d) none

6 Identify the stage in which test cases are designed? **CO1**
a)test planning b) test configuration c) test strategy d) none

7 In Which of the following situation defects will arise? **CO1**
a)No knowledge of system b)System is used in wrong way c) May have coded wrongly
d)All the above

8 A step by step instruction used to solve a problem is known as **CO2**
a) Sequential structure b) A List c) A plan d) An Algorithm

9 In which of the following categories can White Box techniques be classified. **CO2**
a) design based testing b) structural testing c) Error guessing technique d) none

10 Identify the incorrect white box technique **CO2**
a) statement testing b) path testing c)data flow testing d) data transition testing

SECTION – B (Remembering)

Answer any **FIVE** Questions: **(5 X 2 = 10 Marks)**

11 Define Software **CO1**
12 Define testing **CO1**
13 What is test case **CO1**
14 Define verification **CO1**
15 Define validation **CO1**
16 Define unit testing **CO2**
17 Define Fault **CO2**

SECTION – C (Understanding)

Answer any **THREE** Questions: **(3 X 6= 18 Marks)**

18 Explain about software quality attributes **CO1**
19 Write notes on objectives of testing **CO1**
20 Explain about different Test Levels **CO1**
21 List out tools of unit testing **CO2**
22 Write Short notes on J-Unit framework **CO2**

SECTION – D (Applying)

Answer any **ONE** Question: **(1X 12= 12 Marks)**

23 Discuss about testing activities in detail **CO1**
24 Explain about unit testing and their types **CO2**

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DEPARTMENT OF COMPUTER SCIENCE

Course Code:	10SB62	**Programme:**	B.Sc. Computer Science	**CIA:**	**I**
Date:	19.01.2023	**Part:**	IV	**Semester:**	**VI**
Duration:	1 Hour	**Academic Year:**	2022-23	**Max. Marks:**	**25**
Study Component:		Skill Based			
Course Title:	**CYBER SECURITY**				

SECTION – A

Answer **ALL** the Questions: **(5 X 1 = 5 Marks)**

1 Which of the following is a type of antivirus program? **CO1**

A.Quick heal B.McaFee C. Kaspersky D. All of the above

2 In ethical hacking and cyber security, there are _____types of scanning **CO1**

A. 1 B. 2 C.3 D.4

3 Code Red is a type of _____ **CO1**

A. An Antivirus Program B. A photo editing software C. A Computer Virus D. None

4 Which of the following is a tool for performing footprinting undetected? **CO2**

A. Whois search B. Traceroute C. Ping sweep D. Host scanning

5 What is the next step to be performed after footprinting? **CO2**

A. Scanning B. Enumeration C. System hacking D. None

SECTION – B

Answer any **TWO** Questions: **(2 X 2 = 4 Marks)**

6 Define Ethics **CO1**

7 What is meant by Security? **CO1**

8 Define Foot Printing **CO2**

9 List out the types of DNS records. **CO2**

SECTION – C

Answer any **ONE** Question: **(1 X 6= 6 Marks)**

10 Write about Ethical Hacking and Cyber Security **CO1**

11 Describe about the Information Gathering Methodology **CO2**

SECTION – D

Answer any **ONE** Question: **(1 X 10= 10 Marks)**

12 Explain about the Different Types of Hacking Technologies. **CO1**

13 Explain the E-Mail Tracking Works. **CO2**

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