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AA—01—2019

FACULTY OF COMPUTER STUDIES
B.Sc. (First Semester) EXAMINATION
OCTOBER/NOVEMBER, 2019
(CBCS/Revised Course)
COMPUTER SCIENCE

(Basics of Computer Science)

(Thursday, 14-11-2019)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Assume suitable data, if necessary.

(iii) Figures to the right indicate full marks.

1. Attempt any *five* of the following : 15

(a) Explain basic organization of computer.

(b) Explain projector.

(c) Write note on Trackball.

(d) Explain the flash memory.

(e) Define Word processing.

(f) Define Electronic mail.

(g) Explain mini and micro computers.

2. Attempt any *three* of the following : 15

(a) Explain characteristics of computer.

(b) Write notes on RAM and ROM.

(c) Explain file transfer protocol.

(d) Describe Disk Operating System.

(e) Explain harddisk drives.

P.T.O.

3. Attempt any *three* of the following : 15
- (a) Explain the OSI model in deep.
 - (b) Explain concept of server and client.
 - (c) Explain joystick and light pen.
 - (d) What is memory card ? Explain.
 - (e) Give definition of network and explain its working.
4. Attempt any *three* of the following : 15
- (a) Describe working of monitor.
 - (b) Explain mainframe computers.
 - (c) Explain Linux operating system.
 - (d) What is a web browser ? Explain.
 - (e) Explain data transmission modes.
5. Attempt any *three* of the following : 15
- (a) Explain any *two* generations of computer.
 - (b) Define operating system. Explain Windows O.S.
 - (c) Explain bio-metric devices.
 - (d) Write a note on Mouse.
 - (e) Explain concept of workstations.

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AF—01—2022

FACULTY OF COMPUTER STUDIES

B.Sc. (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2022

(CBCS/Revised Course)

COMPUTER SCIENCE

(Basics of Computer Science)

(Wednesday, 14-12-2022)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data if necessary.

1. Attempt any *five* of the following (3 marks each) : 15

(a) What is Operating system ? ✓

(b) Write a note on 'Mini Computer'. ✓

(c) Explain characteristics of computer. ✓

(d) Explain concept of 'Keyboard'.

(e) Write a note on 'RAM'. ✓

(f) Write a note on 'CD'.

(g) Explain the concept of 'workstation'.

2. Attempt any *three* of the following questions (5 marks each) : 15

(a) Explain the concept of Flash memory in detail.

(b) Explain the concept of 'HDD'.

P.T.O.

- (c) Write a note on 'Printer'.
- (d) Explain Windows O.S.
- (e) Explain 'Dated transmission mode' in detail.
3. Attempt any *three* of the following questions (5 marks each) : 15
- (a) What is E-mail ?
- (b) Write a note on OSI model.
- (c) Explain basic organisation of computer in detail.
- (d) Write a note on 'FTP'.
- (e) Explain the concept of 'Cache memory'.
4. Attempt any *three* of the following questions (5 marks each) : 15
- (a) Write a note on 'DVD'. <https://www.srtmunonline.com>
- (b) Explain the concept of 'Track ball'.
- (c) Explain the concept of 'ROM'.
- (d) What is network ? Explain types of network.
- (e) Explain first and fourth generation of computer.
5. Attempt any *three* of the following questions (5 marks each) : 15
- (a) Explain the concept of 'Monitor' in detail.
- (b) Explain the concept of Disk Operating System.
- (c) Explain the concept of 'ROM'.
- (d) Explain the concept of Web browser in detail.
- (e) Write a note on Client and Server.

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AA—13—2019

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (CS) (First Year) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2019

(CBCS/New Course)

COMPUTER SCIENCE

(Part I)

(Introduction to Programming Language Using C)

(Monday, 14-10-2019)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :— (i) Assume suitable data, if necessary.

(ii) Figures to the right indicate full marks.

1. Attempt any *five* of the following : 15
 - (a) What is computer language ?
 - (b) How does high level language differ from assembly level language ?
 - (c) Explain flow chart in detail.
 - (d) Explain if statement.
 - (e) What is use of continue statement ?
 - (f) What is array ?
 - (g) Explain goto statement.
2. Attempt any *three* of the following : 15
 - (a) Explain %d and %f format specifiers.
 - (b) Write a program to calculate division of two numbers.
 - (c) Explain applications of C language.
 - (d) Write a program to carry out largest among three numbers.

P.T.O.

3. Attempt any *three* of the following : 15
- (a) Explain concept of formatted I/O.
 - (b) Write a program to calculate factorial of a number.
 - (c) Explain Nested for loop.
 - (d) Write a program in C to describe nested if statement.
4. Attempt any *three* of the following : 15
- (a) What is use of array in C ?
 - (b) Write a program in C to search an element in array.
 - (c) Write a program to display first 35 odd values starting from 1.
 - (d) Explain concept of passing array as function.
5. Write short notes on (any *three*) : 15
- (a) Keywords
 - (b) Operators in C
 - (c) \n and \t characters
 - (d) Printf and scanf statement
 - (e) Data types.

This question paper contains 3 printed pages|

AF—10—2022

FACULTY OF COMPUTER STUDIES

B.Sc. (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2022

(CBCS/Revised Course)

COMPUTER SCIENCE

Part-I

(Introduction to Programming Language Using C)

(Friday, 16-12-2022)

Time : 10.00 a.m. to 1.00 p.m.

Time—Three Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data if necessary.

1. Attempt any *five* of the following (3 marks each) : 15

~~(a)~~ What is meant by language ? Explain types of languages.

~~(b)~~ What is translator ? Explain its types.

~~(c)~~ What is meant by flowcharts ? Explain its any *three* symbols.

~~(d)~~ What is meant by variables ? Write down the basics rules to build variable names in C language.

(e) Explain algorithms.

(f) Write a program to perform additions of two numbers.

~~(g)~~ Explain the history of C-language.

P.T.O.

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<https://www.srtmunonline.com>

2. Attempt any *three* of the following (5 marks each) : 15
- (a) What is meant by keywords ? List the all keywords in C-language.
 - (b) Explain formatted and unformatted I/O statement.
 - (c) Explain modulus operator with example.
 - (d) Explain if-else statement with example.
 - (e) Write a program to perform swapping of two numbers without using third variable. <https://www.srtmunonline.com>
3. Attempt any *three* of the following (5 marks each) : 15
- (a) Explain primary data types in C-language in detail.
 - (b) Explain nested if-else statement with example.
 - (c) Write a program to check whether given number is even or odd.
 - (d) Explain looping statements in C-language.
 - (e) Write a program to check which number is biggest among three numbers.
4. Attempt any *three* of the following (5 marks each) : 15
- (a) Write a program to check whether given number is prime or not.
 - (b) Define function. Explain with example.
 - (c) Explain switch-case statement in detail with example.
 - (d) Explain ternary operator in C-language.
 - (e) Define array. Explain with example.

5. Write short notes on any *three* of the following (5 marks each) : 15

- (a) Two-dimensional array
- (b) Goto and continue
- (c) Passing arrays to functions
- (d) Else-if ladder statement.
- (e) Structure of C-program.

<https://www.srtmunonline.com>

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AA—36—2019

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (CS) (First Year) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2019

(CBCS/New Pattern)

COMPUTER SCIENCE

Elective—(A)

(Office Automation)

(Friday, 18-10-2019)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assume suitable data, if necessary.

1. Attempt any *five* of the following : 15

- (a) Explain paragraph tab in MS-Word.
- (b) Explain Header tool in MS-Word.
- (c) Explain merging concept in MS-Excel.
- (d) Explain Slide Transition in PowerPoint.
- (e) Describe advantages of MS-Access.
- (f) What is Report in MS-Access ?
- (g) Explain advantages of slide-show in MS-PowerPoint.

2. Attempt any *three* of the following : 15

- (a) Explain opening screen of MS-Word.
- (b) Explain Insert menu in MS-Excel.

P.T.O.

- (c) Explain different formulae with example in MS-Excel.
 - (d) Describe Mail Merge concept in MS-Word-2010.
 - (e) Explain creating charts in MS-Excel.
3. Attempt any *three* of the following : 15
- (a) Explain steps for printing a MS-Word document.
 - (b) Describe font-tab in MS-Word-2010.
 - (c) Explain Editing options in MS-Word.
 - (d) Explain different functions in MS-Excel.
 - (e) Explain table tool in MS-Word.
4. Attempt any *three* of the following : 15
- (a) Explain opening screen of MS-PowerPoint.
 - (b) Explain adding audio on PowerPoint slide.
 - (c) Explain forms in MS-Access.
 - (d) Explain custom animation effects.
 - (e) Explain creating database in access.
5. Write short notes on any *three* of the following : 15
- (a) Footer tool in MS-Word
 - (b) Styles tab in MS-Word
 - (c) Disadvantages of MS-Access
 - (d) Introduction to MS-Excel
 - (e) Explain new presentation based on tamplate.

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AA—23—2019

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (First Year) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2019

(CBCS/New Pattern)

COMPUTER SCIENCE

(BCS-103)

(Web Technology)

(Wednesday, 16-10-2019)

Time : 10.00 a.m. to 1.00 p.m.

Time—3 Hours

Maximum Marks—75

N.B. :— (i) *All questions are compulsory.*

(ii) *Figures to the right indicate full marks.*

(iii) *Assume suitable data, if required.*

1. Attempt any *five* of the following : 15

(a) Explain Heading Tags.

(b) Explain submit button.

(c) Explain HTTP.

(d) Explain list tag.

(e) Explain Inline style.

(f) Explain TH tag.

(g) Explain URL.

2. Attempt any *three* of the following (*five* marks each) : 15

(a) Explain web page and website.

(b) Explain font tag.

P.T.O.

- (c) Explain History of HTML.
 - (d) Explain Basic Tag (HTML, HEAD, TITLE).
 - (e) Explain text level elements.
3. Attempt any *three* of the following (*five* marks each) : 15
- (a) Write the concept of URL.
 - (b) Explain table tag and its attributes.
 - (c) Explain web protocol (HTTP, FTP).
 - (d) Explain Hyperlink tag and its attribute.
 - (e) Explain Telnet.
4. Attempt any *three* of the following (*five* marks each) : 15
- (a) Explain multiline text input.
 - (b) Explain FRAME TAG.
 - (c) Explain simple frame example.
 - (d) Explain form and its elements.
 - (e) Explain Rollover button.
5. Write short notes on any *three* of the following (*five* marks each) : 15
- (a) Explain types of CSS style sheets.
 - (b) Explain DHTML.
 - (c) Explain output statement and JavaScript.
 - (d) Explain embedded style.
 - (e) Explain DIV and SPAN Tag.

This question paper contains 3 printed pages]

AF—19—2022

FACULTY OF COMPUTER STUDIES

B.Sc. (C.S.) (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2022

(CBCS Revised)

COMPUTER SCIENCE

(BCS-103)

(Web Technology)

(Monday, 19-12-2019)

Time : 10.00 a.m. to 1.00 p.m.

Time— Three Hours

Maximum Marks—75

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

(iii) Assumes suitable data if necessary.

1. Attempt any *five* of the following (3 marks each) :

15

(a) Explain any *three* Tags in HTML.

(b) Explain Telnet protocol with its diagram.

(c) Discuss URL concept.

(d) Write short note on Ramification of DHTML.

(e) Write short note on inline CSS.

(f) What is Web browser ? Explain in detail.

(g) Write short note of Javascript.

P.T.O.

2. Attempt any *three* of the following (5 marks each) : 15

- (a) Explain <MARQUEE> tag in HTML.
- (b) Explain <H1>, <H2>, <H3>, <H4>, <H5> in HTML.
- (c) Explain Basic structure of HTML with example.
- (d) Explain with one example.
- (e) Explain list tags in HTML with its attributes.

3. Attempt any *three* of the following (5 marks each) : 15

- (a) Explain <a> in HTML.
- (b) Write short note on Web Server.
- (c) Explain Mail to anchor tag. <https://www.srtmunonline.com>
- (d) What is image ? Explain, how to insert image in Web page.
- (e) Create the following table in HTML :

Mark List of Students :

Roll No.	Name	Marks (out of) 100
01	ABC	46
02	POR	65

4. Attempt any *three* of the following (5 marks each) : 15

- (a) What is form ? Explain form with example.
- (b) Explain DHTML with diagram.
- (c) Write short note on Rouover button.
- (d) Differentiate between GET and POST methods.
- (e) How to create frame in HTML ?

5. Attempt any *three* of the following (5 marks each) :

15

- (a) Write short note on adding Javascript to document.
- (b) Discuss I/O statement of Java Script.
- (c) Discuss variable rules in Javca Script with example.
- (d) Explain embedded CSS with example.
- (e) Explain Imported CSS with example.