

**1<sup>st</sup> year Assignment Question papers of UGCS**

<b>Session: 2023-24</b>	<b>Max. Marks: 30</b>
<b>Program Name: Bachelor of Science</b>	
<b>Course Code: UGCS- 101(N)</b>	<b>Course Name: Computer Fundamental and PC software</b>

<b>SECTION -A</b>				<b>2*6=12 marks</b>
<b>Q. No.</b>	<b>Short answer type question (approx. 200 - 300 words)</b>	<b>Marks</b>	<b>Mapped CO</b>	<b>Category</b>
<b>1</b>	What are different input/output (I/O) devices in a computer?	<b>2</b>	1	Analyzing
<b>2</b>	What are Toolbars and Menus of MS Excell Worksheet? Differentiate between serial and parallel port.	<b>2</b>	5	Analyzing
<b>3</b>	What are different types of MS word Tools?	<b>2</b>	2	Evaluating
<b>4</b>	What do you mean by mail merge?	<b>2</b>	2	Remember
<b>5</b>	What are the DOS commands? list any five	<b>2</b>	2	Understanding
<b>6</b>	How you can convert Hexadecimal to Binary number system?	<b>2</b>	3	Synthesis
<b>SECTION -B</b>				<b>6*3=18 marks</b>
	<b>Long answer type question (approx. 500 - 800 words)</b>	<b>Marks</b>	<b>CO mapped/</b>	<b>Specify Category</b>
<b>7</b>	Explain the different generations of computer? List some of the applications areas of computer	6	3	Analyzing
<b>8</b>	What are Main functions of OS? Explain the different type of OS .	6	2	Synthesis
<b>9</b>	Explain with examples, the different types of number system used in computer . Discuss the step of conversion between different number system	6	1	Remembering & understanding

<b>Session: 2023-24</b>	<b>Max. Marks: 30</b>
<b>Program Name: Bachelor of Science</b>	
<b>Course Code: UGCS- 102(N)</b>	<b>Course Name: C Programming</b>

<b>SECTION -A</b>				<b>2*6=12 marks</b>
<b>Q. No.</b>	<b>Short answer type question (approx. 200 - 300 words)</b>	<b>Mark s</b>	<b>Mapped CO</b>	<b>Category</b>
<b>1</b>	Explain the differences between static and auto variables, with example of each.	<b>2</b>	1	Analyzing
<b>2</b>	Differentiate between structure and Union by using example	<b>2</b>	5	Analyzing
<b>3</b>	Explain the syntax of do-while statement. Also differentiate do-while from while Statement	<b>2</b>	2	Evaluating
<b>4</b>	What is recursion?	<b>2</b>	2	Remember
<b>5</b>	What are the logical operators in C ?	<b>2</b>	2	Understanding
<b>6</b>	Differentiate between call by value and call by reference using example program	<b>2</b>	3	Synthesis
<b>SECTION -B</b>				<b>6*3=18 marks</b>
	<b>Long answer type question (approx. 500 - 800 words)</b>	<b>Marks</b>	<b>CO mapped/</b>	<b>Specify Category</b>
<b>7</b>	What are different basic data types in C ? Explain the need of different numeric data types with example of each.	6	3	Analyzing
<b>8</b>	What is an array? Write a C program using array to find largest and smallest number from a list of 100 given numbers	6	2	Synthesis
<b>9</b>	What is function ? Explain. How a function is Called in C ?	6	1	Remembering & understanding

<b>Session: 2023-24</b>	<b>Max. Marks: 30</b>
<b>Program Name: Bachelor of Science</b>	
<b>Course Code: SBSCS-02N</b>	<b>Course Name: Python Programming</b>

<b>SECTION -A</b>				<b>2*6=12 marks</b>
<b>Q. No.</b>	<b>Short answer type question (approx. 200 - 300 words)</b>	<b>Marks</b>	<b>Mapped CO</b>	<b>Category</b>
<b>1</b>	Write Python program to calculate the Arc Length of an Angle by assigning values to the radius and angle data attributes of the class Arc Length	<b>2</b>	1	Analyzing
<b>2</b>	Describe the different access modes of the files with an example	<b>2</b>	5	Analyzing
<b>3</b>	Write Python Program to simulate a Bank Account with support for deposit Money, withdraw Money and show Balance Operations.	<b>2</b>	2	Evaluating
<b>4</b>	Discuss inheritance in Python programming language.	<b>2</b>	2	Remember
<b>5</b>	<b>Write a</b> Program to demonstrate the Overriding of the Base Class method in the Derived Class.	<b>2</b>	2	Understanding
<b>6</b>	Write a Python program to demonstrate the use of super() function.	<b>2</b>	3	Synthesis
<b>SECTION -B</b>				<b>6*3=18 marks</b>
	<b>Long answer type question (approx. 500 - 800 words)</b>	<b>Marks</b>	<b>CO mapped/</b>	<b>Specify Category</b>
<b>7</b>	Write Python program to sort words in a sentence in decreasing order of their length. Display the sorted words along with their length	6	3	Analyzing
<b>8</b>	Discuss the following methods associated with the file object a) read() b) readline() c) readlines(),	6	2	Synthesis

9	Explain the different string formats available in Python with examples. Discuss the int(), float(), str(), chr() and complex() type conversion functions with examples.	6	1	Remembering & understanding
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