

Bharati Vidyapeeth (Deemed to be University), Pune Centre for Distance and Online Education School of Distance Education			
Name of the Assignment Setter:		Dr Anuprita Deshmukh	
	BCA	Semester:	V
Subject:	Basic Python Programming		
Q.1)	Attempt ANY ONE of the Following (1000 Words)		(10)
a)	How do you handle exceptions in Python?		
b)	How do you define a class and create objects (instances) in Python?		
Q.2)	Attempt ANY TWO of the Following (800 Words)		(12)
a)	What is a dictionary in Python, and how does it work?		
b)	What are packages in Python, and how are they used?		
c)	Explain different ways to write the content in the text file.		
d)	Explain the concept of scope in Python		
Q.3)	Write Short Notes on (ANY TWO)		(08)
a)	Key features of Python		
b)	List and Tuple		
c)	Lambda function		
d)	Parent class and Child class relationship		
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Name of the Assignment Setter:		Prof. Vaishali P. Patel	
Programme:	BCA	Semester:	V
Subject:	Dot Net Programming Using C#.		
Q.1)	Attempt ANY ONE of the Following (1000 Words)		(10)
	a)	Explain in detail MS.NET framework with proper diagram.	
	b)	Explain the working of garbage collection in C#.Net	
Q.2)	Attempt ANY TWO of the Following (800 Words)		(12)
	a)	How to declare Interface? Explain in detail with suitable example.	
	b)	Difference between value and reference type.	
	c)	Explain exceptional handling with example.	
	d)	Explain abstract class with example.	
Q.3)	Write Short Notes on (ANY TWO)		(08)
	a)	Collection Object	
	b)	Constructor and its types.	
	c)	Delegate	
	d)	COM	
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Name of the Assignment Setter:		Dr. Ganraj S. Mane	
Programme:	BCA	Semester:	V
Subject:	Entrepreneurship Development		
Q.1)	Attempt ANY ONE of the Following (1000 Words)		(10)
	a)	Explain the term “Entrepreneur”, Describe various characteristics of an “Entrepreneur” with suitable examples.	
	b)	Elaborate the support of Government for Entrepreneurship promotion through various schemes.	
Q.2)	Attempt ANY TWO of the Following (800 Words)		(12)
	a)	Explain Market assessment. How to conduct Market assessment?	
	b)	What is Business Plan? Describe the contents of a good business Plan.	
	c)	Explain the function of DIC and SIDBI.	
	d)	How will you launch your manufacturing/trading activity business? Explain the process in detail.	
Q.3)	Write Short Notes on (ANY TWO)		(08)
	a)	Venture Capital	
	b)	Environmental analysis and Business	
	c)	Motivational factors affecting Entrepreneurship	
	d)	Selection of business	
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Name of the Assignment Setter:		Dr Anuprita Deshmukh	
	BCA	Semester:	V
Subject:	Lab on Python Programming		
Q.1)	Attempt ANY ONE of the Following (1000 Words)		(10)
a)	Write a program to Python Program to Make a Simple Calculator		
b)	Write a program to Python Program to Convert Decimal to Binary, Octal and Hexadecimal		
Q.2)	Attempt ANY TWO of the Following (800 Words)		(12)
a)	Write a program to Create lists, tuples and accessing list elements using index.		
b)	Write Programs based on exception handling.		
c)	Write a program to Find Factorial of Number Using Recursion		
d)	Create Dictionaries with key, value pair, and access various elements of Dictionaries, Various operations using Dictionaries.		
Q.3)	Write Short Notes on (ANY TWO)		(08)
a)	Packages		
b)	try, catch		
c)	Operations on string variables		
d)	Len(), del(), remove() and range functions on list/tuple		
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Name of the Assignment Setter:		Prof. Vaishali P. Patel	
Programme:	BCA	Semester:	V
Subject:	Lab on Dot Net and C#		
Q.1)	Attempt ANY ONE of the Following (1000 Words)		(10)
	a)	Write a C# Program to Get a Number and Display the Number with its Reverse	
	b)	Write a C# Program to design simple calculator	
Q.2)	Attempt ANY TWO of the Following (800 Words)		(12)
	a)	Write a program to demonstrate method overloading (compile-time polymorphism).	
	b)	Program to implement value and reference type.	
	c)	Write a program to implement exceptional handling using try, catch and finally.	
	d)	Write a program to implement abstract class.	
Q.3)	Write Short Notes on (ANY TWO)		(08)
	a)	Write a Program in C# to demonstrate boxing and Unboxing.	
	b)	Write a program to implement static Constructor.	
	c)	Write a program to implement multicast Delegate	
	d)	Find the sum of all the elements present in a jagged array of 3 inner arrays.	

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Name of the Assignment Setter:		Dr Anuprita Deshmukh	
Programme:	BCA		Semester: V
Subject:	Data Analysis Using Excel (Elective I-A)		
Q.1)	Attempt ANY ONE of the Following (1000 Words)		(10)
	a)	What are PivotTables and how do they summarize and analyze large datasets to reveal patterns and insights?	
	b)	Explain how to use VLOOKUP, HLOOKUP functions to find and retrieve specific data from tables.	
Q.2)	Attempt ANY TWO of the Following (800 Words)		(12)
	a)	How do IF, AND, OR functions help in conditional analysis, returning values or performing actions based on conditions?	
	b)	How can you apply formatting (like colors or icons) to cells based on specific rules to highlight important data?	
	c)	How do you sort and filter data to find specific information or analyze it in a particular order?	
	d)	Explain the concept of What-If Analysis tools in Excel	
Q.3)	Write Short Notes on (ANY TWO)		(08)
	a)	Text Functions	
	b)	Counting and Summing Functions	
	c)	Formulas and functions	
	d)	Data Analysis Using Excel	
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Name of the Assignment Setter:		Sachin Namdeo Lohar(Vasav)	
Programme:	BCA	Semester:	V
Subject:	Information Security Concepts (Elective 2-A)		
Q.1)	Attempt ANYONE of the Following(1000 Words)		(10)
	a)	What is information Security ? Why we need this explain in detail?	
	b)	What is physical Security and explain in detail with examples?	
Q.2)	Attempt ANY TWO of the Following(800 Words)		(12)
	a)	Explain network Security in detail?	
	b)	Explain Operating System Security in detail?	
	c)	Explain Database Security in detail?	
	d)	Explain Web Application Security in detail?	
Q.3)	Write Short Notes on (ANY TWO)		(08)
	a)	Cloud Security	
	b)	Fire Protection	
	c)	Disaster Recovery	
	d)	Network Threats	
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Name of the Assignment Setter: Dr Anuprita Deshmukh

Programme: BCA **Semester:** V

Subject: Statistical Programming using R (Elective 3-A)

Q.1)	Attempt ANY ONE of the Following (1000 Words)		(10)
	a)	Explain Correlation and regression analysis with Example.	
	b)	Illustrate Chi-Square test and goodness of fit.	
Q.2)	Attempt ANY TWO of the Following (800 Words)		(12)
	a)	What is the Procedure of Testing Hypothesis?	
	b)	Illustrate Analysis of Variance (ANOVA).	
	c)	What are different ways of reading data in R?	
	d)	Discuss the Condition Probability.	
Q.3)	Write Short Notes on (ANY TWO)		(08)
	a)	Box Plots	
	b)	Student's t-distribution,	
	c)	Probability density function	
	d)	Permutation and Combination concept	

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Name of the Assignment Setter:	Sachin Namdeo Lohar (Vasav)
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Programme:	BCA	Semester:	V
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Subject:	E-Commerce (Elective 4-A)
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Q.1)	Attempt ANYONE of the Following (1000 Words)	(10)
	a) What is Ecommerce Explain in detail with examples?	
	b) Explain Different types of ecommerce with example?	
Q.2)	Attempt ANY TWO of the Following (800 Words)	(12)
	a) Explain business models for e-commerce?	
	b) Explain Electronic Data Interchange?	
	c) Explain Application of E-commerce?	
	d) Explain E-commerce Payment System?	
Q.3)	Write Short Notes on (ANY TWO)	(08)
	a) Business to Business	
	b) Business to Government	
	c) E-commerce Security	
	d) Ecommerce in banking	

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