

MAR25-02-2941
B.C.A Semester-IV (NEP-2020) Examination
Course Implemented from June-2023
MAR-2025

Python Programing-MS23MJDSCBCA401

Total Marks :50

Time: 2½ Hours

- | | |
|---|----|
| Que. 1 Attempt the following (Any Two) | 10 |
| 1. Explain Sequence type in detail | |
| 2. Explain Python Virtual Machine | |
| 3. Explain Arithmetic operators and Membership operator | |
| Que. 2 Attempt the following (Any Two) | 10 |
| 1. Explain Loop Statements with example | |
| 2. Explain module in detail with example | |
| 3. Explain type of arguments in detail | |
| Que. 3 Attempt the following (Any Two) | 10 |
| 1. Explain class in detail with Example | |
| 2. What is inheritance? Explain multilevel inheritance in detail with example | |
| 3. Discuss different operations that can be performed on list | |
| Que. 4 Attempt the following (Any Two) | 10 |
| 1. Explain RegEx Module with example | |
| 2. Explain the steps to create database and table in python | |
| 3. Explain Exception in detail with example | |
| Que. 5 Do as directed | 05 |
| 1. The ____ module provides regular expression tools | |
| 2. Define : Encapsulation | |
| 3. Difference between List and tuple | |
| 4. The ____ function is used to get the data type of any object | |
| 5. Explain anonymous function with example | |

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Python Programing-MS23MJDSCBCA401

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| Que. 1 Attempt the following (Any Two) | 10 |
| 1. Explain Sequence type in detail | |
| 2. Explain Python Virtual Machine | |
| 3. Explain Arithmetic operators and Membership operator | |
| Que. 2 Attempt the following (Any Two) | 10 |
| 1. Explain Loop Statements with example | |
| 2. Explain module in detail with example | |
| 3. Explain type of arguments in detail | |
| Que. 3 Attempt the following (Any Two) | 10 |
| 1. Explain class in detail with Example | |
| 2. What is inheritance? Explain multilevel inheritance in detail with example | |
| 3. Discuss different operations that can be performed on list | |
| Que. 4 Attempt the following (Any Two) | 10 |
| 1. Explain RegEx Module with example | |
| 2. Explain the steps to create database and table in python | |
| 3. Explain Exception in detail with example | |
| Que. 5 Do as directed | 05 |
| 1. The ____ module provides regular expression tools | |
| 2. Define : Encapsulation | |
| 3. Difference between List and tuple | |
| 4. The ____ function is used to get the data type of any object | |
| 5. Explain anonymous function with example | |

MAR25-02-2961
B.C.A Semester-IV (NEW) Examination
(Course Implemented after June- 2020)
MAR-2025

BCA-401 Object Oriented Programing using 'C++'

Total Marks :70

Time: 2½Hours

Que. 1(a)	Explain the following terms 4. Encapsulation 5. Dynamic Binding 6. Object	06
Que. 1(b)	Attempt the following (Any Two) 1. What is reference variable? Explain it with syntax and example 2. Explain the data types available in C++ 3. Explain the scope resolution operator with example	12
Que. 2(a)	Attempt the following 1. Explain Inline function 2. Write short notes in Destructor	05
Que. 2(b)	Attempt the following (Any Two) 1. Explain Friend function with example 2. What is constructor? Explain copy constructors in brief 3. Explain function overloading with example	12
Que. 3(a)	Attempt the following 1. How to define operator function? 2. Define: unary Operator, Binary Operator 3. List out operators which are not overloaded using friend function	06
Que. 3(b)	Attempt the following (Any Two) 1. Describe binary operator overloading with example 2. Explain Unary operator overloading using friend function with example 3. Explain class to class type conversion with example	12
Que. 4(a)	Attempt the following 1. Explain Polymorphism? 2. Explain Pure Virtual function?	05
Que. 4(b)	Attempt the following (Any Two) 1. Write a program for single inheritance 2. What is virtual function? Write rules for virtual functions 3. What is the use of virtual base class? Explain it with example	12

MAR25-02-2951
B.C.A Semester-IV (OLD) Examination
(Course Implemented before June- 2020)
MAR-2025
BCA-401 Data Structure

Total Marks :70

Time: 2¹/₂Hours

Que. 1(a)	Attempt the following (Any Two)	06
	7. Data Structure	
	8. Algorithm	
	9. String and Array	
Que. 1(b)	Attempt the following (Any Three)	12
	4. Explain Time and Space efficiency of an algorithm with example	
	5. Write an algorithm and program to compare two strings	
	6. What is data structure? Explain non-primitive data structure	
	7. Explain any for string Function with example	
Que. 2(a)	Attempt the following	05
	3. Queue	2. Circular queue
	3. Link list	4. Priority queue
	5. Stack	
Que. 2(b)	Attempt the following (Any Three)	12
	4. Short note on priority queue	
	5. Write algorithms for stack operations	
	6. Write algorithms for insert and remove an element from circular queue	
	7. Explain application of link-list	
Que. 3(a)	Attempt the following	06
	4. Graph	2. Loop
	4. Weighted graph	4. Forest
	5. Binary tree	6. Leaf node
Que. 3(b)	Attempt the following (Any Three)	12
	4. Explain BFS algorithm with example	
	5. Write algorithms for delete and element form binary search tree	
	6. Explain tree traversal algorithms with example	
	7. Explain DFS algorithms with example	
Que. 4(a)	Attempt the following	05
	3. Collision	
	4. Sequential file	
	5. List out Hashing Techniques	
Que. 4(b)	Attempt the following (Any Three)	12
	4. Write algorithms for shell sort	
	5. Write algorithms for Radix Sort	
	6. Explain sequential and index file organization in detail	
	7. Write algorithms for Quick sort	

MAR25-02-2942
B.C.A Semester-IV (NEP-2020) Examination
Course Implemented from June-2023
MAR-2025

Web Development Using PHP-MS23MJDSCBCA401A
Total Marks :50 **Time: 2½ Hours**

- Que. 1 Attempt the following (Any Two) 10
1. What is scripting language? Explain client side and server side scripting language
 2. Explain switch statement with example
 3. Explain while and for each loop with example
- Que. 2 Attempt the following (Any Two) 10
1. What is an array? Explain any five array functions in detail
 2. Explain User defined functions in PHP with example
 3. Explain any five string functions in detail
- Que. 3 Attempt the following (Any Two) 10
1. What is Inheritance? Explain multilevel inheritance with example
 2. Explain types in error in PHP in detail
 3. What is Exception Handling? Explain how to handle exception using try and catch with example
- Que. 4 Attempt the following (Any Two) 10
1. Explain any five MySQL functions used in PHP with example
 2. Write a PHP program to update the record in database
 3. Explain web service in detail
- Que. 5 Do as directed 10
1. What is PHP?
 2. PHP code must be written between ____ and ____
 3. What is Fatal Error?
 4. Which function is used to close the file?
 5. What is the use of phpMy Admin?
 6. List out components of Web- Service
 7. What is Website?
 8. What is email?
 9. State the difference between echo and print statement
 10. What is constructor?

MAR25-02-2942
B.C.A Semester-IV (NEP-2020) Examination
Course Implemented from June-2023
MAR-2025

Web Development Using PHP-MS23MJDSCBCA401A
Total Marks : 50 **Time : 2½ Hours**

- Que. 1 Attempt the following (Any Two) 10
1. What is scripting language? Explain client side and server side scripting language
 2. Explain switch statement with example
 3. Explain while and for each loop with example
- Que. 2 Attempt the following (Any Two) 10
1. What is an array? Explain any five array functions in detail
 2. Explain User defined functions in PHP with example
 3. Explain any five string functions in detail
- Que. 3 Attempt the following (Any Two) 10
1. What is Inheritance? Explain multilevel inheritance with example
 2. Explain types in error in PHP in detail
 3. What is Exception Handling? Explain how to handle exception using try and catch with example
- Que. 4 Attempt the following (Any Two) 10
1. Explain any five MySQL functions used in PHP with example
 2. Write a PHP program to update the record in database
 3. Explain web service in detail
- Que. 5 Do as directed 10
1. What is PHP?
 2. PHP code must be written between ____ and ____
 3. What is Fatal Error?
 4. Which function is used to close the file?
 5. What is the use of phpMy Admin?
 6. List out components of Web- Service
 7. What is Website?
 8. What is email?
 9. State the difference between echo and print statement
 10. What is constructor?

MAR25-02-2962
B.C.A Semester-IV (NEW) Examination
(Course Implemented after June- 2020)
MAR-2025
BCA-402 Building Application Using PHP

Total Marks :70

Time: 2½Hours

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|-----------|---|----|
| Que. 1(a) | Explain the following terms | 06 |
| | 4. Define scripting language. Write in brief server side VS client side scripting language | |
| | 5. List out the PHP Super Global? Define \$_POST | |
| | 6. Explain sorting string in php with example | |
| Que. 1(b) | Attempt the following (Any Two) | 12 |
| | 1. Explain any six predefined variable handling functions with syntax and example | |
| | 2. Explain \$_FILES and file uploading with example | |
| | 3. Explain sorting and searching array in php | |
| Que. 2(a) | Attempt the following | 05 |
| | 1. What is private Access Modifier | |
| | 2. List out the file opening modes and uses | |
| | 3. Define Inheritance | |
| | 4. Define Object | |
| | 5. What is exception? Write purpose of try Catch blocks | |
| Que. 2(b) | Attempt the following (Any Two) | 12 |
| | 1. Explain any six file handling functions with example | |
| | 2. Define session and cookies? Explain creation and deletion of Cookies with example | |
| | 3. Define Exception. How to throw and exception? Explain exception handling with example | |
| Que. 3(a) | Attempt the following | 06 |
| | 1. Define mysql | |
| | 2. Write down syntax to connect php-mysql | |
| | 3. Define UDDI | |
| | 4. How to count and display retrieved records in php? | |
| | 5. Define WSDL | |
| | 6. How to select appropriate database to perform data operation in php website? | |
| Que. 3(b) | Attempt the following (Any Two) | 12 |
| | 1. Explain Web Service Model | |
| | 2. Explain updating records into database and showing all records from database? Explain with example | |
| | 3. How to send and email? Explain it in detail in php | |
| Que. 4(a) | Attempt the following | 05 |
| | 1. What is Joomla? | |
| | 2. What is Joomla Template? | |
| | 3. Define control panel of Joomla | |
| | 4. Define Article Manager | |
| | 5. Define Module Manager | |
| Que. 4(b) | Attempt the following (Any Two) | 12 |
| | 1. Explain Joomla architecture | |
| | 2. Explain Advantages and disadvantages of Joomla | |
| | 3. How to create article and menu in Joomla site? Write steps | |
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MAR25-02-2952
B.C.A Semester-IV (OLD) Examination
(Course Implemented before June- 2020)
MAR-2025

BCA-402 GUI Programming Using Visual Basic

Total Marks :70

Time: 2½Hours

Que. 1(a)	Attempt the following (Any Two)	06
	7. What is used if MsgBox?	
	8. List out intrinsic control	
	9. What is Method?	
Que. 1(b)	Attempt the following (Any Two)	12
	4. What is MDI? Explain mdi in detail	
	5. What is any five intrinsic control?	
	6. Explain two tier client server architecture in detail	
Que. 2(a)	Attempt the following	05
	6. What is uses of Ctrl + E key?	
	7. Default data type of any variable is _____	
	3. What is use of Ctrl + T key?	
	4. List out condition in VB	
	5. Explain option Explicit	
Que. 2(b)	Attempt the following (Any Two)	12
	4. Explain string function	
	5. Explain procedure in detail	
	6. What is variable? Explain in detail	
Que. 3(a)	Attempt the following	06
	7. List out types of Lock in ADO connection	
	8. What is full form of ADO	
	9. DSN stand for _____	
Que. 3(b)	Attempt the following (Any Two)	12
	4. Discuss ODBC	
	5. What is RDO? Explain connection with database	
	6. Explain types of Record Set in detail	
Que. 4(a)	Attempt the following	05
	6. What is crystal report?	
	7. Define CORBA	
	8. What is DCOM?	
Que. 4(b)	Attempt the following (Any Two)	12
	4. What is COM? Explain in brief	
	5. Explain source safe	
	6. Explain data reports	

MAR25-02-2943
B.C.A Semester-IV (NEP-2020) Examination
Course Implemented from June-2023
MAR-2025

System Analysis and Design-MS23MIDSCBCA402

Total Marks :50

Time: 2½ Hours

- Que. 1 Attempt the following (Any Two) 10
1. Explain the analysis phase of SDLC
 2. Who is System Analyst? Explain Role of System Analyst
 3. Explain different type of SYSTEMS
- Que. 2 Attempt the following (Any Two) 10
1. Describe Fact Finding Technique in details
 2. Explain about Data Flow Diagram in details
 3. Explain Data Dictionary, Decision Tree and Decision Table in brief
- Que. 3 Attempt the following (Any Two) 10
1. Explain about Code Design
 2. Explain Testing in Detail
 3. Explain about INPUT Design
- Que. 4 Attempt the following (Any Two) 10
1. Explain Case Studies/DFD of library Management System
 2. Explain Case Studies/DFD of Stock/Inventory Management System
 3. Explain Case Studies? DFD of Accounting System
- Que. 5 Answer the following (Any Ten) 10
- | | |
|-------------------------------|------------------------------|
| 1. What is Data Validation? | 2. Full form of SDLC |
| 3. What is Flowchart? | 4. Full Form of DFD |
| 5. What is Data Capture? | 6. Full Form of SSADM |
| 7. What is White Box Testing? | 8. Full Form of SPM |
| 9. What is Black Box Testing? | 10. What is output Media? |
| 11. What is System? | 12. What is System Analysis? |

MAR25-02-2943
B.C.A Semester-IV (NEP-2020) Examination
Course Implemented from June-2023
MAR-2025

System Analysis and Design-MS23MIDSCBCA402

Total Marks : 50

Time : 2½ Hours

- Que. 1 Attempt the following (Any Two) 10
1. Explain the analysis phase of SDLC
 2. Who is System Analyst? Explain Role of System Analyst
 3. Explain different type of SYSTEMS
- Que. 2 Attempt the following (Any Two) 10
1. Describe Fact Finding Technique in details
 2. Explain about Data Flow Diagram in details
 3. Explain Data Dictionary, Decision Tree and Decision Table in brief
- Que. 3 Attempt the following (Any Two) 10
1. Explain about Code Design
 2. Explain Testing in Detail
 3. Explain about INPUT Design
- Que. 4 Attempt the following (Any Two) 10
1. Explain Case Studies/DFD of library Management System
 2. Explain Case Studies/DFD of Stock/Inventory Management System
 3. Explain Case Studies? DFD of Accounting System
- Que. 5 Answer the following (Any Ten) 10
- | | |
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| 1. What is Data Validation? | 2. Full form of SDLC |
| 3. What is Flowchart? | 4. Full Form of DFD |
| 5. What is Data Capture? | 6. Full Form of SSADM |
| 7. What is White Box Testing? | 8. Full Form of SPM |
| 9. What is Black Box Testing? | 10. What is output Media? |
| 11. What is System? | 12. What is System Analysis? |

MAR25-02-2963
B.C.A Semester-IV (NEW) Examination
(Course Implemented after June- 2020)
MAR-2025
BCA-403 E-Commerce

Total Marks :70

Time: 2½Hours

Que. 1(a)	Explain the following terms 4. Define Pure and Partial E-Commerce 5. List out any six E-Commerce websites	06
Que. 1(b)	Attempt the following (Any Two) 1. Explain advantages of E-Commerce to organization and society 2. Explain limitations of ecommerce to organization and consumer 3. Explain future of E-Commerce	12
Que. 2(a)	Attempt the following 1. Define IPsec 2. Define EPS, SHTTP	05
Que. 2(b)	Attempt the following (Any Two) 1. Explain Models of E-Commerce 2. Explain Driving forces in E-Commerce 3. Explain firewall in brief	12
Que. 3(a)	Attempt the following 1. Define Cyber Security 2. Define Phishing and Pharming	05
Que. 3(b)	Attempt the following (Any Two) 1. Explain E-Wallet with Advantages & Disadvantages 2. Explain Credit card in brief 3. Explain kind of threats in brief	12
Que. 4(a)	Attempt the following 1. Define LAN, MAN 2. Define Intranet, Extranet	06
Que. 4(b)	Attempt the following (Any Two) 1. Explain WAN with advantages 2. Explain features of Networking 3. Explain benefits of EDI	12

MAR25-02-2953
B.C.A Semester-IV (OLD) Examination
(Course Implemented before June- 2020)
MAR-2025
BCA-403 System Analysis and Design

Total Marks :70

Time: 2½Hours

Que. 1(a)	Define the following Terms	06
	6. System	
	7. Subsystem	
	8. Black box	
	9. Prototype	
	10. Feed back	
	11. System analysis	
Que. 1(b)	Attempt the following (Any Two)	12
	4. Explain about SDLC	
	5. Who is system Analyst? Explain the role of system analyst	
	6. Explain Fact Finding Technique	
Que. 2(a)	Attempt the following	05
	3. What is case tools	
	4. Defined facted code?	
	3. List out the medias of output	
	4. List out the types of form	
	5. What is Interface?	
Que. 2(b)	Attempt the following (Any Three)	12
	4. Discuss all the components of case tools	
	5. Explain form design	
	6. Which type of consideration should be used for output design?	
Que. 3(a)	Define the following Terms	06
	3. Functional Testing	
	4. Training	
	5. Cohesion	
Que. 3(b)	Attempt the following (Any Three)	12
	4. Explain software Design Principle	
	5. Explain Conversion Method	
	6. Explain Documentation	
Que. 4(a)	Discuss case studies (INPUT,OUTPUT,DFD)	17
	3. Library system	
	4. Payroll system	
	OR	
Que. 4(a)	Answer the following	05
	4. Explain Decision Tree with example	
	5. Give Different between physical and logical DFD	
Que. 4(b)	Answer the following	12
	1. Explain Data Dictionary	
	2. Explain Input Design	

MARCH -2025 – 2 - 2944
B.C.A. Sem. -IV (NEP) Examination
Course Implemented From June-2023
March -2025

Personality Development and Reasoning Ability (MS23AECBCA-404)

Total Marks : 25

Time : 2 Hours

- Que. 1** **Attempt the following questions. (Any Two)** **10**
1. What is Memo? Explain types of Memo in detail.
 2. Explain Resume and CV in business communication skills.
 3. Explain Notice in detail.
- Que. 2** **Attempt the following questions. (Any Five)** **10**
1. If 'NATURE' is coded as 'OBUVSF', then how is 'PLANT' coded?
 2. If 'MOON' is coded as '13-15-15-14', then how is 'SUN' CODED?
 3. A man walks 2 km towards North. Then he turns to East and walks 10 km. After this he turns to North and walks 3 km. Again, he turns towards East and walks 2 km. How far is he from the starting point?
 4. Six boxes numbered 1 to 6 are stacked.
Box 2 is above Box 4 but below Box 6.
Box 3 is at the bottom.
Box 1 is immediately above Box 5.
Question : Which box is at the second position from the top?
 5. Five people – A,B,C,D, and E- are sitting in a circle, all facing the centre.
C is second to the left of A.
B is immediate at right of D.
E is not an immediate neighbour of A.
Question: Who is sitting opposite A?
 6. A family has P, Q, R, and S. P is the father of R, Q is the mother of S.R is married to S. How is Q related to P?
- Que. 3** **Do as Directed.** **05**
1. Find Next Value: 2,5,8,11,?
 2. Find Next Value: 13,17,19,23,?
 3. Find Next Value : 1,8,27,64,125,?
 4. Define: Minutes.
 5. Define: Interview.
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MAR25-02-2964
B.C.A Semester-IV (NEW) Examination
(Course Implemented after June- 2020)

MAR-2025

BCA-404 Data Mining and Data Warehousing

Total Marks :70

Time: 2½Hours

Que. 1(a)	Explain the following terms 1. What is data mining ? 2. Define the term Data integration 3. What is data transformation	06
Que. 1(b)	Attempt the following (Any Two) 1. Explain data mining process in detail 2. Write a short note ETL Process 3. Explain any three application domains of data mining	12
Que. 2(a)	Attempt the following 1. What is data warehouse ? 2. What is MDDM?	05
Que. 2(b)	Attempt the following (Any Two) 1. Explain Data Warehouse architecture in detail 2. List and explain characteristics of data warehouse in detail 3. Write a short note on association rule mining in detail	12
Que. 3(a)	Attempt the following 1. What is classification ? 2. Define the term. Cluster analysis 3. What is data prediction in mining ?	06
Que. 3(b)	Attempt the following (Any Two) 1. Explain classification technique of data mining in detail 2. Write a short note on automatic cluster detection 3. What is metadata? Explain types of metadata in detail	12
Que. 4(a)	Attempt the following 1. What is spatial data mining ? 2. What is web mining ? 3. Define web structure mining	05
Que. 4(b)	Attempt the following (Any Two) 1. Explain web usage mining in detail 2. Write a short note on web structure mining 3. Explain trends in data mining in detail	12

MAR25-02-2954
B.C.A Semester-IV (OLD) Examination
(Course Implemented before June- 2020)
MAR-2025
BCA-404 Operating System

Total Marks :70

Time: 2½Hours

- Que. 1(a) Attempt the following (Any Two) 06
1. What is OS? List out its components
 2. List out the function of operating system
 3. What is Turnaround time?
- Que. 1(b) Attempt the following (Any Two) 12
1. Write a short note on Time Sharing OS
 2. Write Short note on service of Operating System
 3. Explain client server model
- Que. 2(a) Attempt the following 05
1. Explain First Fir and Best Fit with example
 2. Explain STS, MTS in detail
- Que. 2(b) Attempt the following (Any Two) 12
1. Write short note layered system structure
 2. Short note on PCB
- Calculate Average Waiting time using SJF (Non Pre) Algorithm
- | Process | CPU Burst |
|---------|-----------|
| P1 | 9 |
| P2 | 4 |
| P3 | 6 |
| P4 | 8 |
- Que. 3(a) Attempt the following 06
1. Explain Segmentation in detail
 2. Define process and threads
- Que. 3(b) Attempt the following (Any Two) 12
1. Write a short note on Dynamic memory allocation
 2. What is Deadlock? Explain necessary condition of deadlock
 3. Short note on semaphore
- Que. 4(a) Attempt the following 05
1. Explain demand paging
 2. Define critical section
- Que. 4(b) Attempt the following (Any Two) 12
1. Explain Paging in detail with example
 2. Explain Internal and External Fragmentation
 3. Explain continues and non continues memory location

MAR25-02-2955
B.C.A Semester-IV (OLD) Examination
(Course Implemented before June- 2020)
MAR-2025
BCA-404 Computer Graphics

Total Marks :70

Time: 2½Hours

Que. 1(a)	Attempt the following (Any Two) 1. List application of computer graphics 2. Explain DVST in brief 3. Define Bit Map, Aspect Ratio	06
Que. 1(b)	Attempt the following (Any Two) 1. List out advantages and disadvantages of DVST 2. Differentiate Raster scan display and Random Scan display 3. Explain Refresh CRT Function and its characteristics in Details	12
Que. 2(a)	Attempt the following 1. Explain Cell Array, Gray Scale 2. Explain inside-outside test in brief	05
Que. 2(b)	Attempt the following (Any Two) 1. Explain Flood-fill algorithm in Details 2. Explain DDA line drawing algorithm with example 3. Explain circle generating algorithm	12
Que. 3(a)	Attempt the following 1. Rotation 2. Shearing 3. Translation	06
Que. 3(b)	Attempt the following (Any Two) 1. Explain Generation fixed-point scaling in detail 2. Explain reflection in detail with example 3. Explain Homogenous coordinates in Detail	12
Que. 4(a)	Attempt the following 1. Define window and viewport 2. Explain point clipping	05
Que. 4(b)	Attempt the following (Any Two) 1. Explain N-L-N line Clipping algorithm in Details 2. Explain Polygon clipping in detail 3. Explain viewing coordinate reference frame in detail	12

MAR25-02-2945
B.C.A Semester-IV (NEP-2020) Examination
Course Implemented from June-2023
MAR-2025
Integrated Personality Development -MS23VACBCA405
Total Marks : 25 **Time: 2 Hours**

- Que. 1 Attempt the following (Any Two) 10
1. Describe how loyalty, sincerity, and punctuality help students leave a good impression and succeed in life
 2. Explain how students can help India become a developed country by being responsible citizens
 3. Describe the six steps of teamwork and harmony. How can these steps help in daily life and work?
- Que. 2 Attempt the following (Any Two) 10
1. Describe how exercise, healthy eating, and good sleep can improve health and success
 2. Explain the common causes of stress and how students can deal with it better
 3. Explain how ancient wisdom can help students solve problems today and find stability in life
- Que. 3 Attempt the following 05
1. What are SMART goals ?
 2. Name two harmful effects of addiction on life
 3. Name three benefits of forgiving others
-

MAR25-02-2945
B.C.A Semester-IV (NEP-2020) Examination
Course Implemented from June-2023
MAR-2025
Integrated Personality Development -MS23VACBCA405
Total Marks : 25 **Time : 2 Hours**

- Que. 1 Attempt the following (Any Two) 10
1. Describe how loyalty, sincerity, and punctuality help students leave a good impression and succeed in life
 2. Explain how students can help India become a developed country by being responsible citizens
 3. Describe the six steps of teamwork and harmony. How can these steps help in daily life and work?
- Que. 2 Attempt the following (Any Two) 10
1. Describe how exercise, healthy eating, and good sleep can improve health and success
 2. Explain the common causes of stress and how students can deal with it better
 3. Explain how ancient wisdom can help students solve problems today and find stability in life
- Que. 3 Attempt the following 05
1. What are SMART goals ?
 2. Name two harmful effects of addiction on life
 3. Name three benefits of forgiving others
-

MAR25-02-2946
B.C.A Semester-IV (NEP-2020) Examination
Course Implemented from June-2023
MAR-2025

Computer Security-MS23SECBCA406

Total Marks : 25

Time: 2 Hours

Que. 1 Attempt the following (Any Two) 10

1. Explain Crackers & Career Criminals
2. Explain SET
3. Explain Transient vs Resident virus

Que. 2 Attempt the following (Any Two) 10

1. Write a short note on Digital Signature Standards
2. What is cipher? Explain caesar cipher with example
3. Explain Types of cryptography

Que. 3 Attempt the following 05

1. What is SSL?
2. Explain cryptanalysis

MAR25-02-2946
B.C.A Semester-IV (NEP-2020) Examination
Course Implemented from June-2023
MAR-2025

Computer Security-MS23SECBCA406

Total Marks : 25

Time : 2 Hours

Que. 1 Attempt the following (Any Two) 10

1. Explain Crackers & Career Criminals
2. Explain SET
3. Explain Transient vs Resident virus

Que. 2 Attempt the following (Any Two) 10

1. Write a short note on Digital Signature Standards
2. What is cipher? Explain caesar cipher with example
3. Explain Types of cryptography

Que. 3 Attempt the following 05

1. What is SSL?
2. Explain cryptanalysis
