

April-24-03-3024
UG Computer Application Certificate Course Semester -II (NEP) Examination
Course Implemented From June-2023

April.-2024

Communication Skills-II – MS23AECBCA-204

Total Marks : 25

Time : 2 Hours

Que. 1	Answer the following.	
1.	Write an Application for the Post of Computer Teacher.	03
	OR	
1.	Write an Application for Loan to purchase a New Car.	
2.	You are the Librarian at Devi charitable school, Ahmedabad. Place an order of school books and other story books for the school library with Chitrakoot book shop, Mall road, Lucknow.	03
	OR	
2.	Write a complain letter of damaged goods of Smartphones of Samsung Electronics, DLF Centre, Sansad Marg, New Delhi	
3.	Write an Essay on : Importance of Yoga in Daily Life	04
	OR	
3.	Read Following paragraph carefully and Answer the following questions by selecting the most appropriate option Garbage is a great environment hazard. It comes from various sources used paper, tiffin packing's, plastic bags, ice-cream wrappers, bottle caps, fallen leaves from trees and many more, Garbage makes the premises ugly, unkempt and breeds diseases. A lot of trash that is thrown away contain material that can be recycled and reused such as paper, metals and glass which can be sent to the nearest recycling centre or disposed of to the junk dealer. It also contains organic matter such as leaves which can enrich soil fertility. A compost pit can be made at a convenient location where the refuse can be placed with layers of soil and an occasional sprinkling of water. This would help decomposition to make valuable fertilizer. This would also prevent pollution that is usually caused by burning such organic waste.	
	1. Garbage originates from a. used paper, tiffin, pickings, plastic bags and fallen leaves from trees b. leftovers of food c. fallen branches from trees d. building materials	
	2. Garbage can create havoc to the mankind by a. spreading foul smell b. slowing our vehicles on the road c. spreading several diseases d. all the above	
	3. What happens to the disposed material at the recycling centre? a. It is thrown away b. It is recycled for reuse c. It is sold to the rag pickers d. It is dumped into the ground	
	4. Fallen leaves from trees are useful because they a. solve the problem of fuel wood in village households b. enrich water quality c. enrich soil fertility d. beautify landscape	
Que. 2	Answer the following. (Any Two)	10
	1. Explain Listening process in detail	
	2. Write short note on : Preparing effective for a job an Interview	
	3. Explain objectives of Group Discussion	
Que. 3	Attempt the Following (Any Five)	05
	1. Define : Group Discussion	
	2. What is Interview? List out types of Interviews.	
	3. List out the aspects of Listening and speaking	
	4. What is Business Letter? What is the format of Business Letter?	
	5. What is Order Letter?	
	6. List out the Guidelines for effective listening.	

April-24-03-3035
B.C.A. Sem. -II (New) Examination
Course Implemented after June- 2020
April.-2024
System Analysis And Design

Total Marks : 70

Time : 2½ Hours

Que. 1	A.	Do as directed (Any Two)	06
	1.	What is the System Analyst?	
	2.	Define Open System	
	3.	What do you mean by lifecycle?	
	4.	Define interface	
	5.	Full Form : DSS	
	6.	Define Hand on end user	
Que. 1	B.	Answers the Following questions (Any Two)	12
	1.	What is system? Explain Types of system	
	2.	Explain Decision Table.	
	3.	Explain each phase of SDLC.	
Que. 2	A.	Give answer in short	05
	1.	Explain data validation method for input design.	
	2.	Give the basic principles of form design	
Que. 2	B.	Attempt the following. (Any Two).	12
	1.	Why the code design is important? Explain any three types of code	
	3.	Explain Types of forms. Discuss basic principal of form design.	
Que. 3	A.	Answer the following questions	06
	1.	List out the principles of software design	
	2.	What is Documentation?	
	3.	What is performance time testing?	
Que. 3	B.	Attempt the following questions. (Any Two)	12
	1.	What is Conversion? Explain the conversion method	
	2.	Explain Warnier-Orr diagram	
	3.	What is testing? Explain six special level of testing.	
Que. 4	Discuss case study for Library Management system (Input, output, DFD)		17
	OR		
Que. 4	Discuss case study for Payroll system (Input,output, DFD)		17

December-24-03-3030
B.C.A. Sem. -II (Old) Examination
Course Implemented before June- 2020
April-2024
Communication Skills-II

Total Marks : 70

Time : 2½ Hours

Que. 1	A.	Write an application for the post of Computer Programmer addressing to the director of TCS, Nr. Sector 24, Bombay.	06
		OR	
Que. 1	A.	Write an application for the post of a Assistant Professor in Computer Science addressing it to the Director, Guj. University. Ahmedabad.	06
Que. 1	B.	Write an application to the Director, APMC Ahmedabad for obtaining original documents	06
		OR	
Que. 1	B.	Write an application to the Director, HNG University for obtaining original documents	06
Que. 1	C.	Write an application demanding loan to purchase of a car against HDFC Bank. Patan.	06
		OR	
Que. 1	C.	Write an application demanding Home loan to purchase of a car against HDFC Bank.Patan.	06
Que. 2	A.	Fill in the gaps.	06
	1.	There is a girl ____ the garden. (Use Preposition)	
	2.	She is sitting on the bench. (Find verb)	
	3.	Ishu is God. (Find noun)	
	4.	This was ____ house. (his/he)	
	5.	Those were ____ books. (my, mine)	
	6.	That college is ____ (my, mine)	
Que. 2	B.	Do as directed	06
	1.	The crowd was very big (Find Noun)	
	2.	Ram always speaks truth, he is there. (Find Pronoun)	
	3.	He walks fast. (Find Adverb)	
	4.	I eat an apple. (Make question)	
	5.	I eat an apple (Make Negative)	
	6.	I am not eating an apple. (Make Affirmative)	
Que. 2	C.	Do as per Instructions given. (Any Five)	05
	1.	Two ____ two make four. (Put Appropriate Conjunction)	
	2.	Kanu is fat and ____ is quite active. (Put Appropriate Pronoun)	
	3.	Man proposes ____ God disposes. (Put Appropriate Conjunction)	
	4.	Ram is god. He is living in Ayodhya. (Underline the Preposition)	
	5.	I eat a banana. (Underline the Article)	
Que. 3	A.	Translate into Gujarati or Hindi	06
	1.	She speaks English.	
	2.	This book is not very costly.	
	3.	Do you live here?	
	4.	We all love our nation.	
	5.	Are you wasting time?	
	6.	Has he ever been to Bombay	
Que. 3	B.	Comprehension: Read the passage and answer the questions that follow	06
		Periodic or routine report are either informational or analytical in their purpose. As they are prepared and presented at regular, prescribed interval in the usual routine of business they are called periodic or routine report. They may be submitted annually, semi-annually. Quarterly, monthly, fortnightly, weekly, or even daily. Generally such report contain a mere statement of facts in detail, in summarized form, Without an opinion or recommendation. Progress reports of various kinds, inspection reports annual reports, and sales report. All come under this category. At time the routine reports can be analytical or interpretative. For example, when the head of various divisions in an organization submit annual assessment reports of their employees to the higher authorities, they assess the data and give recommendations so as to enable their superiors to take certain decisions. Special report's are related to single occasion or situation or situation. A report on feasibility of opening a new branch on the unrest among staff in a particular branch, or the causes behind the recent fire incidents in a factory are special reports. Special reports deal with non-recurrent problems.	

Questions:

1. What are periodic or routine reports?
2. What do periodic reports contain?
3. Which types of reports can be considered under the category of periodic reports?
4. What do the higher authorities do when they receive reports?
5. What is special report?
6. Make appropriate title.

OR

- Que. 3 B. Comprehension: Read the passage and answer the questions that follow 06
- Mike and Morris lived in the same village. While Morris owned the largest jewelry shop in the village. Mike was a poor farmer. Both had large families with many sons, daughters-in-law and grandchildren. One fine day, Mike, tired of not being able to feed his family, decided to leave the village and move to the city where he was certain to earn enough to feed everyone. Along with his family, he left the village for the city. At night, they stopped under a large tree. There was a stream running nearby where they could freshen up themselves. He told his sons to clear the area below the tree, he told his wife to fetch water and he instructed his daughters-in-law to make up the fire and started cutting wood from the tree himself. They didn't know that in the branches of the tree, there was a thief hiding. He watched as Mike's family worked together and also noticed that they had nothing to cook. Mike's wife also thought the same and asked her husband "Everything is ready but what shall we eat?". Mike raised his hands to heaven and said "Don't worry. He is watching all of this from above. He will help us." The thief got worried as he had seen that the family was large and worked well together. Taking advantage of the fact that they did not know he was hiding in the branches, he decided to make a quick escape. He climbed down safely when they were not looking and ran for his life. But, he left behind the bundle of stolen jewels and money which dropped into Mike's lap. Mike opened it and jumped with joy when he saw the contents. The family gathered all their belongings and returned to the village. There was great excitement when they told everyone how they got rich. Morris thought that the tree was miraculous and this was a nice and quick way to earn some money. He ordered his family to pack some clothes and they set off as if on a journey. They also stopped under the same tree and Morris started commanding everyone as Mike had done. But no one in his family was willing to obey his orders. Being a rich family, they were used to having servants all around. So, the one who went to the river to fetch water enjoyed a nice bath. The one who went to get wood for fire went off to sleep. Morris's wife said "Everything is ready but what shall we eat?" Morris raised his hands and said, "Don't worry. He is watching all of this from above. He will help us." As soon as he finished saying, the thief jumped down from the tree with a knife in hand. Seeing him, everyone started running around to save their lives. The thief stole everything they had and Morris and his family had to return to the village empty handed, having lost all their valuables that they had taken with them.

Question:

1. Why did Mike and his family decide to rest under the thief's tree?
2. Being a large family, they knew that they could easily defeat the thief
3. It was a convenient spot for taking a halt at night
4. There was a stream nearby and wood enough to build a house
5. That was the only large tree that could shelter their large family
6. Make appropriate title.

- Que. 3 C. Write An Essay (Any One) 06
1. My Favorite Book
 2. National Hero
 3. Science is a Gift
- Que. 4 A. Write The Dialogue (Any One) 06
1. Write at least 10 dialogues between Hari and Visvam at BCA College Modasa.
 2. Write at least 10 dialogues between Vinu and Manu at Bus Station, Ahmedabad.
- Que. 4 B. Discuss the question (Any One) 06
1. Tips for success in group discussion.
 2. Describe the point of good communication.
- Que. 4 C. Explain in detail (Any One) 05
1. Discuss the Interview
 2. Discuss the Presentation.
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December-24-03-3031
B.C.A. Sem. -II (Old) Examination
Course Implemented before June- 2020
April-2024
System Analysis & Design

Total Marks : 70

Time : 2½ Hours

- Que. 1 A. Attempt any Six 06
1. Define System Analysis?
 2. What is End User?
 3. Give Full Form : SPM
 4. What is Sub System?
 5. What is Prototype?
 6. Give Full Form SADS
 7. Define : Data Dictionary
- Que. 1 B. Answer the following (Any Two) 12
1. Describe the Various Fact-Finding Techniques in detail
 2. List out the Phases of SDCL and Explain the Analysis Phase of SDLC in Detail
 3. Explain Types of System in detail
- Que. 2 A. Do as Directed (Any Two) 05
1. What is Code? How it use in system?
 2. Define Data Validation
 3. List out types of output
- Que. 2 B. Answer the following (Any Two) 12
1. Describe the basic principles of Form Design.
 2. Discuss all the components of CASE tools
 3. Explain the Output Media in detail
- Que. 3 A. Do as Directed (Any Two) 06
1. What is flowchart? Describe a different Flowchart Symbols and its use.
 2. Define Black-Box Testing
 3. What is conversion? Explain in short
 4. Fill Form (i) VTOC (ii) HIPO
- Que. 3 B. Answer the following (Any Two) 12
1. Explain HIPO Chart With Example.
 2. What is testing? Discuss the levels of Testing.
 3. What is Documentation? Explain it in detail.
- Que. 4 Draw and discuss the different level of DFDs for "LIBRARY MANAGEMENT SYSTEM" in detail 17
- OR
- Que. 4 A. Do as Directed (Any Two) 05
1. What is DFD? List out different symbols used in DFD
 2. Differentiate: Logical DFD vs Physical DFD
 3. Define User Interface.
 4. Fill Form (i) VTOC (ii) HIPO
- Que. 4 B. Answer the following (Any Two) 12
1. Explain the Characteristics of system
 2. Write short note on Decision Table
 3. Discuss System Prototype Method in detail

April-24-03-3023

UG Computer Application Certificate Course Semester -II (NEP) Examination
Course Implemented From June-2023

April.-2024

Electronic Commerce (E-Commerce) – MS23MDSCBCA-203

Total Marks : 50

Time : 2.5 Hours

- Que. 1 Answer the following. (Any Two) 10
1. Explain Advantages and Disadvantage of E-Commerce in detail
 2. Differentiate : Traditional Commerce VS E-Commerce
 3. Explain various technologies of E-Commerce in detail
- Que. 2 Answer the following. (Any Two) 10
1. Explain Various Models of E-Commerce in detail
 2. Explain Electric Data Interchange (EDI) n detail
 3. Explain Virtual Private Network (VPN) in detail
- Que. 3 Answer any two 10
1. Explain Payment Gateway in detail
 2. What is security in Cyberspace? Explain different kinds of Cybercrime in detail
 3. Explain Advantages and Disadvantage of EPS.
- Que. 4 Answer any two 10
1. Explain Classification of Network
 2. Explain Ethical Issue in E-Commerce
 3. Explain Growth and Future of M-Commerce
- Que. 5 Attempt any Five 10
1. Define : B2B,C2B
 2. What is IP Security?
 3. Define : E-Wallet.
 4. Differentiate : Pure VS Partial E-Commerce
 5. Define : Intranet and Extranet.

April-24-03-3033
B.C.A. Sem. -II (New) Examination
Course Implemented after June- 2020
April.-2024
Discreate Mathematics

Total Marks : 70

Time : 2½ Hours

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Que No પ્રશ્ન નંબર		Marks મહિત્વ
1	(A) Define the following with Example. (1) Singleton Set (2) Proper Subset (3) Universal set (B) Attempt any TWO from the following. (1) State and Prove De-Morgan's law for Union. (2) If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, $A = \{1, 2, 3, 4, 5\}$, $B = \{1, 3, 5, 7\}$ and $C = \{4, 5, 6, 7, 8\}$ then find $(B \Delta C) - A$ and $(A \cap B) \cup C$ (3) If $A = \{a, b, c, d, e\}$, $B = \{b, c, e, f, g\}$ and $C = \{d, e, f, g, i\}$ then verify $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$	6 12
2	(A) Define the following with Example. (1) Onto Function (2) Equal Function (B) Attempt any TWO from the following. (1) If $f(x) = x + 2$, $g(x) = 3x$, find $f \circ g \circ f(x)$ and $g \circ f \circ f(x)$ (2) Let a and b be positive integers and suppose Q is defined recursively as follows: $Q(a, b) = \begin{cases} 10 & , \text{if } a < b \\ Q(a - b, b + 3) + 5 & , \text{if } a \geq b \end{cases}$ Find $Q(5, 15)$ and $Q(26, 4)$ (3) Find the Value of the following (a) $\lfloor -3.14 \rfloor$ (b) $\text{INT}(5.98)$ (c) $31 \pmod{4}$ (d) $\log_{11} 121$	5 12
3	(A) Define the following with Example. (1) Diagonal Matrix (2) Transpose of a Matrix (3) Symmetric Matrix (B) Attempt any TWO from the following. (1) if $A = \begin{bmatrix} 5 & -3 & 0 \\ 3 & 2 & 1 \\ 3 & 8 & 7 \end{bmatrix}$ and $B = \begin{bmatrix} -8 & 5 & 3 \\ 2 & 7 & -9 \\ 8 & 3 & 0 \end{bmatrix}$ Then prove that $(A + B)^T = A^T + B^T$ (2) find the inverse of matrix: $A = \begin{bmatrix} 1 & -2 & 3 \\ 2 & 1 & 3 \\ -1 & 1 & 12 \end{bmatrix}$ (3) If $A = \begin{bmatrix} 5 & 4 \\ 3 & -1 \end{bmatrix}$ then prove that $AA^{-1} = I$	6 12
4	(A) Define the following with Example. (1) Arithmetic Progression (2) Series (B) Attempt any TWO from the following. (1) for 25, 23, 21, 19, 17, ... (find 20th term) (2) for 5, 15, 45, ... (find 7th term) (3) Find the sum of 5, 9, 13, 17 ... (16th term)	5 12

December-24-03-3029
B.C.A. Sem. -II (Old) Examination
Course Implemented before June- 2020
April-2024
Discrete Mathematics

Total Marks : 70

Time : 2½ Hours

Q-1[A] Define Following with example [Any Three]

[06]

1. Finite Set 2. Power set
3. Partition Set 4. Complement of set

[B] Solve the following [Any two]

[12]

1. $1 + 3 + 5 + 7 + \dots + (2n-1) = n^2$
2. If $n(A)=25$, $n(B)=30$ and $n(A \cup B)=42$ then find $n(A \cap B)$.
3. State and prove De' Morgan's Law.

Q-2[A] Define the following with example [Any two]

[05]

1. Identity Function
2. One-to-One Function
3. Floor Function

[C] Solve the following. [Any Two]

[12]

1. The function $f: R \rightarrow R$ be defined by $f(x)=5x+3$.
Find the formula for the inverse function if exists?
2. If $f(x)=x+2$, $g(x)=3x$ and $h(x) = 5x^2$ then find
 $f \circ g \circ h(x)$ and $g \circ h \circ f(x)$.
3. Let a and b positive integers and suppose Q is define recursively as

$$Q(a, b) = \begin{cases} 0 & \text{if } (a < b) \\ Q(a - b, b) + 1 & \text{if } (a \geq b) \end{cases}$$

Find $Q(3, 5)$

Q-3[A] Define Following with example [Any three]

[06]

1. Null Matrix 2. Square Matrix
3. Identity Matrix 4. Diagonal Matrix

[B] Solve the following. [Any two]

[12]

1. Find inverse of $A = \begin{bmatrix} 1 & 3 & 2 \\ -2 & 0 & 1 \\ -3 & 2 & 1 \end{bmatrix}$
2. Find the value of $2A + 5B - C$ where

$$A = \begin{bmatrix} 1 & 0 & -2 \\ 3 & 1 & 4 \\ 6 & 3 & 2 \end{bmatrix} \quad B = \begin{bmatrix} -1 & 4 & 5 \\ 3 & 6 & 1 \\ 0 & 0 & 3 \end{bmatrix} \quad C = \begin{bmatrix} 5 & 2 & 3 \\ 1 & 0 & -3 \\ 0 & 4 & -2 \end{bmatrix}$$

3. Find Determinant of following matrix.

1. $A = \begin{bmatrix} 2 & 6 & 1 \\ -3 & 5 & 3 \\ 4 & 6 & -1 \end{bmatrix}$

2. $B = \begin{bmatrix} 2 & 3 \\ 5 & 1 \end{bmatrix}$

Q-4 [A] Define Following with example [Any Two]

[05]

1. For what value of ${}_7P_3 \times {}_8P_4$.
2. Define Permutation and Combination.
3. Define series.

[B] Solve the following. [Any two]

[12]

1. If ${}_nP_r = 60$ and ${}_nC_r = 10$ then find the value Of n and r .
2. In How many ways four letters can be Formed out of 11 letters?
3. The 3rd term of an A.P. is 9 and its 9th term is 21 find its 40th terms.

April-24-03-3021

UG Computer Application Certificate Course Semester -II (NEP) Examination
Course Implemented From June-2023

April.-2024

Advance Programing Language 'C' – MS23MJDSCBCA-201

Total Marks : 50

Time : 2 Hours

- Que. 1 Answer the following. (Any Two) 10
1. Explain Recursion with Example
 2. Explain Any Two Categories of function with Example
 3. Write a program to find factorial using UDF
- Que. 2 Answer the following. (Any Two) 10
1. Explain How to define and Using of structure with example
 2. Explain Structure within structure with example
 3. Explain Array of Structure with Example.
- Que. 3 Answer any two 10
1. Explain declaration, initialization and Usage of point with example
 2. Explain initialization and accessing array element using pointer.
 3. Write a program to find sum of array elements using pointer.
- Que. 4 Answer any two 10
1. Explain different types of operating modes of File
 2. Explain fprintf and fscanf () with syntax and example
 3. Write a program to read and write file.
- Que. 5 Attempt any Five 10
1. Define : Actual Parameters v/s Formal Parameters.
 2. Define : Advantages of User defined Function
 3. Define : Structure v/s Union
 4. Define : Bit Fields.
 5. Define : Pointer Scale Factor
 6. Define: Rewind(), ftell()
 7. Define : getc(), putc()

April-24-03-3032
B.C.A. Sem. -II (New) Examination
Course Implemented after June- 2020
April.-2024

Fundamentals of Programming Language-C

Total Marks : 70

Time : 2½ Hours

- | | | | |
|----------|----|--|----|
| Que. 1 | A. | Do as directed (Any Two) | 04 |
| | 1. | What is auto l variable? | |
| | 2. | What is UDF? | |
| | 3. | What is register Variable? | |
| Que. 1 | B. | Answer the following (Any Two) | 08 |
| | 1. | Describe function with arguments and return a value with suitable example | |
| | 2. | Explain passing arrays to function. | |
| | 3. | Describe any one UDF category with suitable example | |
| Que. 1 | C. | Write a program to find length of string using UDF | 05 |
| | | OR | |
| Que. 1 | C. | Write a program to find factorial of given no using UDF | 05 |
| Que. 2 | A. | Do as directed (Any Two) | 05 |
| | 1. | What is nested structures? | |
| | 2. | Explain size of structure | |
| | 3. | struct is keyword (T/F) | |
| Que. 2 | B. | Attempt the following. (Any Two). | 08 |
| | 1. | Explain Arrays within structure | |
| | 2. | Explain structure within structure | |
| | 3. | Give difference between Structure and Union. | |
| Que. 2 | C. | Write a c program using structure within structure | 05 |
| | | OR | |
| Que. 2 | C. | Design an structure student _records to contain Roll_no, Name, City and Percentage Obtained. Develop a program to read data for 3 students and Display them. | 04 |
| Que. 3 | A. | Do as directed (Any Four) | 04 |
| | 1. | What is pointer? | |
| | 2. | How is a pointer initialized? | |
| | 3. | Pointer constants are the addresses of memory locations. (T/F) | |
| | 4. | The Only integer that can be assigned to a pointer variable is _____ | |
| | 5. | An integer can be arrays to a pointer (T/F) | |
| Que. 3 | B. | Attempt the following. (Any Two) | 08 |
| | 1. | Explain pointers and structure. | |
| | 2. | Explain in brief advantages of Pointer. | |
| | 3. | Write a short note a pointer and array. | |
| Que. 3 | C. | Write a program with structure and pointer. | 05 |
| | | OR | |
| Que. 3 | C. | Write a program to swap the two values using pointers and UDF. | 05 |
| Que. 4 | A. | Do as directed (Any Five) | 05 |
| | 1. | What is calloc? | |
| | 2. | What is realloc? | |
| | 3. | The mode___ is used for operating a file for updating. | |
| | 4. | Explain free. | |
| | 5. | What is getw()? | |
| | 6. | What is putc()? | |
| Que. 4 | B. | Attempt the following. (Any Two) | 08 |
| | 1. | Write a short note on fopen() and fclose() | |
| | 2. | Write a short note on command line arguments. | |
| | 3. | Explain fseek(),ftell() and rewind() with suitable example | |
| Que. 4C. | C. | Write a program using fopen() and fclose() functions | 05 |
| | | OR | |
| Que. 4 | C. | Write a c program to work as a dos type command using command line arguments. | |

December-24-03-3027
B.C.A. Sem. -II (Old) Examination
Course Implemented before June- 2020
April-2024

Fundamentals of Programming Language-C

Total Marks : 70

Time : 2½ Hours

- Que. 1 A. Do as Directed. 05
1. Only a void type function can have void as its argument (T/F)
 2. What is auto variable?
 3. The parameter used in a function call are called _____
 4. A variable declared inside a function is called _____
 5. What is register variable?
- Que. 1 B. Attempt the following. (Any Two). 08
1. What is UDF? Explain the any two category of UDF
 2. Explain the Static variable and External variable
 3. Explain the Recursion with suitable example
- Que. 1 C. Attempt the following. (Any One). 04
1. Write a program to find factorial of given no using recursion.
- OR
- Que. 2 A. Do as Directed. 06
1. What is union?
 2. An array cannot be used as a member of structure (T/F)
 3. A _____ is a collection of data items under one name in which the items share the same storage.
 4. Give the Definition of structure\
 5. The Variable declared in a structure definition are called its _____
 6. A struct type in c is a built in data type (T/F)
- Que. 2 B. Attempt the following. (Any Two). 08
1. Describe Structure and function with suitable example
 2. Explain difference between Structure and Union.
 3. Explain Arrays within structure with example
- Que. 2 C. Attempt the following. (Any One). 04
1. Define a structure personal which contains person name, date of joining and salary. Develop the program to read this information for 2 persons and print the same on the screen.
- OR
- Que. 3 A. Do as Directed.(Any Five) 05
1. Pointer constant are the address of memory locations (T/F)
 2. Pointers cannot be used as formal parameters in headers to function definition (T/F)
 3. The _____ operator returns the value of the variable to which its operand points.
 4. An integer can be added to a pointer (T/F)
 5. A pointer variable contains as its value the _____ of another variable.
- Que. 3 B. Attempt the following. (Any Two). 08
1. What is pointer? Describe the advantages of Pointer
 2. Explain pointers and structure in detail.
 3. Explain the Array of pointers.
- Que. 3 C. Attempt the following. (Any One). 04
1. Write a program to accept 5 numbers and display its sum using pointer.
- OR
- Que. 4 A. Do as Directed. 06
- Give the definition
1. fprintf() 2. fscanf() 3. Putw() 4. fopen()
 5. fclose() 6. #define explain
- Que. 4 B. Attempt the following. (Any Two). 08
1. Explain command line arguments
 2. Write a short note a dynamic memory allocation
 3. Explain fseek(), ftell() and rewind in detail
- Que. 5 C. Attempt the following. (Any One) 04
1. Write c program to read emp data file which is created in practical-24 and display all information on the screen
- OR
1. Write a program using fseek and ftell functions.
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April-24-03-3022
UG Computer Application Certificate Course Semester -II (NEP) Examination
Course Implemented From June-2023

April.-2024

Internet & Web Designing – MS23MJDSCBCA-201A

Total Marks : 50

Time : 2.5 Hours

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|--------|---|----|
| Que. 1 | Answer the following. (Any Two) | 10 |
| | 1. Explain BUS topology and STAR topology in details | |
| | 2. Explain FTP in details | |
| | 3. Explain Virtual Private Network in details | |
| Que. 2 | Answer the following. (Any Two) | 10 |
| | 1. Explain List tags with a suitable example | |
| | 2. Explain frame in HTML with a suitable example | |
| | 3. Explain Font tags with a suitable example | |
| Que. 3 | Answer any two | 10 |
| | 1. Explain CSS Background property with all attributes in details | |
| | 2. Explain about use of ID and Class in CSS with a suitable example | |
| | 3. Explain CSS Border property with all attributes in details | |
| Que. 4 | Answer any two | 10 |
| | 1. Explain JavaScript Function with a suitable example | |
| | 2. Explain JavaScript Array object with a suitable example | |
| | 3. Explain JavaScript Window object in details | |
| Que. 5 | Attempt any Five | 10 |
| | 1. Define : Search Engines | |
| | 2. Define : ISP | |
| | 3. Define : E-Learning | |
| | 4. Define : <BODY> tag | |
| | 5. Define : Colspan and Rowspan | |
| | 6. Define: External Style Sheet | |
| | 7. Define : Float property in CSS | |
| | 8. Full Form of SMTP | |
| | 9. Define : getElementById() in JavaScript | |
| | 10. Define : onFocus event in JavaScript | |

April-24-03-3033
B.C.A. Sem. -II (New) Examination
Course Implemented after June- 2020
April.-2024
Internet & Web Designing

Total Marks : 70

Time : 2½ Hours

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|--------|----|--|----|
| Que. 1 | A. | Do as directed (Any Two) | 05 |
| | | 1. What is Internet? | |
| | | 2. What is E-Commerce? | |
| | | 3. What is FTP? | |
| | | 4. What is URL? | |
| | | 5. Full name of : ADSL,SMTP, | |
| Que. 1 | B. | Answer the following (Any Two) | 12 |
| | | 1. Explain type of Computer Networks? Advantages and disadvantage. | |
| | | 2. Explain ISP Extranet and VPN in details? | |
| | | 3. Write a short note on E-Learning & E-Banking? | |
| Que. 2 | A. | Do as directed | 06 |
| | | 1. Define Rowspan and Colspan. | |
| | | 2. What is Bulleted List? | |
| | | 3. What is the use of <Sub> and<Sup>tag. | |
| Que. 2 | B. | Attempt the following. (Any Two). | 12 |
| | | 1. Explain five basic tag with suitable example? | |
| | | 2. Explain Link tag in details? | |
| | | 3. Explain <FRAME>&<FRAMEST> tag with example? | |
| Que. 3 | A. | Do as directed | 05 |
| | | 1. What is CSS? | |
| | | 2. What is different between <P> and
 tag? | |
| | | 3. Define importance of tag | |
| Que. 3 | B. | Attempt the following. (Any Two) | 12 |
| | | 1. Explain External style with suitable example? | |
| | | 2. Explain Font and color attribute in CSS with suitable example? | |
| | | 3. Explain Border attribute in CSS with example? | |
| Que. 4 | A. | Do as directed | 06 |
| | | 1. What is the use of UDF? | |
| | | 2. What is assignment operator? | |
| | | 3. What is Internal java script? | |
| Que. 4 | B. | Attempt the following. (Any Two) | 12 |
| | | 1. Explain types of JavaScript with example. | |
| | | 2. Explain java script operator? | |
| | | 3. Explain for loop and do...while loop with example? | |
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December-24-03-3028
B.C.A. Sem. -II (Old) Examination
Course Implemented before June- 2020
April-2024
Internet & Web Designing

Total Marks : 70

Time : 2½ Hours

Que. 1	A.	Do as Directed.	05
	1.	What is Extranet and Intranet?	
	2.	What is URL?	
	3.	List out application area of internet?	
Que. 1	B.	Attempt the following. (Any Two).	12
	1.	What is computer Network with its network	
	2.	Explain ISP and VPN in details?	
	3.	Explain E-Commerce and E-Banking in details?	
Que. 2	A.	Do as Directed.	06
	1.	What is the use of <MARQUEE> tag with example?	
	2.	What is Uploading and Downloading?	
	3.	Define Cell spacing and Cell padding?	
Que. 2	B.	Attempt the following. (Any Two).	12
	1.	Explain <TABLE> tag with suitable example?	
	2.	Explain Ordered list and Unordered list?	
	3.	Explain any four formatting tag with suitable example?	
Que. 3	A.	Do as Directed.	05
	1.	What is the use of class in web page?	
	2.	Give the syntax of CSS with example?	
Que. 3	B.	Attempt the following. (Any Two).	12
	1.	Explain Internal style sheet with suitable example?	
	2.	Explain Background attribute in CSS with example?	
	3.	Explain <FORM> tag with suitable example?	
Que. 4	A.	Do as Directed.	06
	1.	What is java script?	
	2.	Define rules for variable name in java script?	
	3.	Define extension of CSS?	
Que. 4	B.	Attempt the following. (Any Two).	12
	1.	Explain JavaScript operator?	
	2.	Explain for loop and do...while loop with example?	
	3.	Create a JavaScript code to display any message	

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