

APR25-03-4921
B.C.A Semester-II (NEW) Examination
(Course Implemented after June- 2020)
APR-2025

BCA-201 Advance Programing Language 'C'

Total Marks :70

Time: 2½Hours

Que. 1(a)	Do as directed (Any Two)	05
	1. What is UDF? Explain with example	
	2. What is formal Actual perimeter list?	
	3. Explain auto variable	
Que. 1(b)	Attempt the following (Any Two)	08
	1. Describe different category of 'UDF' and explain No argument and no return value	
	2. Explain Register & external variable of UDF with suitable example	
	3. Explain passing arrays to within function	
Que. 1(c)	Write a program to display first 25 terms of Fibonacci series using recursion	04
	OR	
Que. 1(c)	Write a program to swap value of two integer number using UDF	04
Que. 2(a)	Attempt the following	05
	1. Explain the rules for initializing of structure	
	2. Difference between structure and array	
	3. What is Bit Fields?	
Que. 2(b)	Answer the following	08
	1. Explain difference between Structure and Union	
	2. Describe structure & functions	
	3. Explain structure within structure	
Que. 2(c)	Write a program using structure and function	04
	OR	
Que. 2(c)	Define a structure type struct personal that would contain person name, date of joining and salary using this structure to read this information and Display on scree	04
Que. 3(a)	Do as directed (Any Two)	05
	1. What is pointer?	
	2. What is chain of pointer? Give suitable example	
	3. How is a pointer initialized?	
Que. 3(b)	Attempt the following (Any Three)	12
	1. Explain advantages of Pointer	
	2. Explain pointer and array	
	3. Explain pointers and function	
	4. Write short note on dynamic memory allocation	
Que. 4(a)	Do as directed (Any Three)	06
	1. What is calloc?	
	2. What is macro?	
	3. What is Preprocessor?	
	4. Explain fseek()	
Que. 4(b)	Attempt the following (Any Three)	12
	1. Explain ftell() and rewind() with suitable example	
	2. Explain fprintf and fscanf function in detail	
	3. Explain fopen() and fclose() function in detail	
	4. Write short note on dynamic memory allocation	

APR25-03-4911
B.C.A Semester-II (OLD) Examination
(Course Implemented before June- 2020)
APR-2025

BCA-201 Advance Programing Language 'C'

Total Marks :70

Time: 2½Hours

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|---|---|-----------------------------------|------------------------|----------------------------------|--|---|--|---|--|--|
| Que. 1(a) | Attempt the following | 06 | | | | | | | | |
| | <ol style="list-style-type: none">1. The parameters used in function call are _____2. Define Library Function3. Define Term Formal Arguments4. A Function that call itself is know as Which Function?5. Local variable are visible in all block and function in the program (True/False)6. _____ is the default storage class | | | | | | | | | |
| Que. 1(b) | Attempt the following (Any Three) | 12 | | | | | | | | |
| | <ol style="list-style-type: none">1. What is Recursion? Explain with example2. Explain call by value and call by reference3. Discuss about scope, visibility and lifetime of variables | | | | | | | | | |
| Que. 2(a) | Attempt the following | 05 | | | | | | | | |
| | <table border="0" style="width: 100%;"><tr><td>1. Structure is derived data type</td><td>2. Define Term Union</td></tr><tr><td>3. What is Bit Field?</td><td>4. Difference between Structure and Array</td></tr><tr><td colspan="2">5. Explain size of operator</td></tr></table> | 1. Structure is derived data type | 2. Define Term Union | 3. What is Bit Field? | 4. Difference between Structure and Array | 5. Explain size of operator | | | | |
| 1. Structure is derived data type | 2. Define Term Union | | | | | | | | | |
| 3. What is Bit Field? | 4. Difference between Structure and Array | | | | | | | | | |
| 5. Explain size of operator | | | | | | | | | | |
| Que. 2(b) | Attempt the following (Any Three) | 12 | | | | | | | | |
| | <ol style="list-style-type: none">1. Difference between Structure and Union2. Explain Structure within Structure with example3. Explain Union with example | | | | | | | | | |
| Que. 3(a) | Attempt the following | 06 | | | | | | | | |
| | <table border="0" style="width: 100%;"><tr><td>1. Define Pointer</td><td>2. Define Scale Factor</td></tr><tr><td>3. Define Term Chain of Pointers</td><td>4. How to access variable through pointer?</td></tr><tr><td colspan="2">5. The ____ operator returns the value of the variables to which its operand points</td></tr><tr><td colspan="2">6. C allows subtracting one pointer form another (True/False)</td></tr></table> | 1. Define Pointer | 2. Define Scale Factor | 3. Define Term Chain of Pointers | 4. How to access variable through pointer? | 5. The ____ operator returns the value of the variables to which its operand points | | 6. C allows subtracting one pointer form another (True/False) | | |
| 1. Define Pointer | 2. Define Scale Factor | | | | | | | | | |
| 3. Define Term Chain of Pointers | 4. How to access variable through pointer? | | | | | | | | | |
| 5. The ____ operator returns the value of the variables to which its operand points | | | | | | | | | | |
| 6. C allows subtracting one pointer form another (True/False) | | | | | | | | | | |
| Que. 3(b) | Attempt the following (Any Three) | 12 | | | | | | | | |
| | <ol style="list-style-type: none">1. Explain Pointers Expression with example2. Define Pointer and array with example3. Explain Array of Pointer | | | | | | | | | |
| Que. 4(a) | Attempt the following | 05 | | | | | | | | |
| | <ol style="list-style-type: none">1. Explain Function Fopen()2. Explain Function Fprint()3. Explain Function getw()4. Define file inclusion5. The function _____ given the current position in file | | | | | | | | | |
| Que. 4(b) | Attempt the following (Any Three) | 12 | | | | | | | | |
| | <ol style="list-style-type: none">1. Write a short note on File Handling2. Write a short note on various pre-processor directives3. Write a Program to read data form keyboard write it to file called input and Display data of input file in screen4. Write a Program to swap value of two integer number using UDF5. Write a Program to work as dos copy con command using command line argument | | | | | | | | | |
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APR25-03-4913
B.C.A Semester-II (OLD) Examination
(Course Implemented before June- 2020)
April- 2025
BCA-203 Discrete Mathematics

Total Marks :70

Time: 2½Hours

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|-----------|--|----|
| Que. 1(a) | Define the following with Example
1. Singleton Set
2. Proper Subset
3. Complement of a set | 06 |
| Que. 1(b) | Attempt the following (Any Two)
1. State DeMorgan's law and prove one of them
2. If $A = \{a, b, c, d, e\}$, $B = \{b, c, e, f, g\}$ and $C = \{d, e, f, g, i\}$ then verify $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$
3. If $U = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, $A = \{2, 4, 6, 8\}$ and $B = \{3, 4, 5, 6, 7\}$ then find $(A \cup B)'$ and $A' \cap B'$ | 12 |
| Que. 2(a) | Attempt the following
1. Function
2. Many to One Function | 05 |
| Que. 2(b) | Attempt the following (Any Two)
1. If $f(x) = x + 2$, $g(x) = 3x$ find $f \circ g(x)$ and $g \circ f(x)$
2. The function $f: R \rightarrow R$ is defined by $f(x) = 2x^3 - 4$ find $f^{-1}(x)$
3. Find the value of the following
A. $[-18.25]$ B. $INT(-22.28)$ C. $25(mod 7)$ D. $\log_3 27$ | 12 |
| Que. 3(a) | Define the following with Example
1. Matrix
2. Transpose of a Matrix
3. Scalar Matrix | 06 |
| Que. 3(b) | Attempt any Two form the following
1. If $A = \begin{bmatrix} 5 & -3 & 0 \\ 3 & 2 & 1 \\ 3 & 8 & 7 \end{bmatrix}$, $B = \begin{bmatrix} -8 & 5 & 3 \\ 2 & 7 & -9 \\ 8 & 3 & 0 \end{bmatrix}$ then verify that $(A + B)^T = A^T + B^T$
2. Find Determinate of $A = \begin{bmatrix} 1 & -2 & 3 \\ 2 & 1 & -3 \\ -1 & 1 & 2 \end{bmatrix}$
3. If $A = \begin{bmatrix} 5 & 4 \\ 3 & -1 \end{bmatrix}$ then find A^{-1} | 12 |
| Que. 4(a) | Define the Following with Example
1. Sequence
2. Series | 05 |
| Que. 4(b) | Attempt any Two Form the Following
1. For 25, 22, 19, 16... (Find 21 th term)
2. The sum of first 5 terms of AP is 10 and its 10 th term is 37. Find the 15 th term of the AP
3. Find the sum of 5, 9, 13, 17... (13 th term) | 12 |

APR25-03-4922
B.C.A Semester-II (NEW) Examination
(Course Implemented after June- 2020)
April - 2025
BCA-202 Internet & Web Designing

Total Marks : 70

Time: 2½Hours

Que. 1(a)	Do as directed	06
	1. What is the Internet? 2. What does URL stand for? 3. What is the role of an Internet Service Provider (ISP)? 4. Full Name VPN 5. Name one popular search engines 6. What is a web portal?	
Que. 1(b)	Attempt any Three	12
	1. Write short note on E-Banking 2. Explain VPN in detail 3. Explain ISP in detail 4. Differentiate between Internet and Extranet	
Que. 2(a)	Do as directed	05
	1. What are the basic components of an HTML document? 2. What is the purpose of the <head> and <body> tags in HTML? 3. How do you create a simple web page using HTML? 4. How do you link one web page to another using HTML? 5. What is an Internet Language?	
Que. 2(b)	Attempt any Three	12
	1. What is an anchor tag (<a>), and how is it used? 2. What is the purpose of publishing HTML pages? 3. How do you create a table in HTML? 4. How do you insert an image in an HTML web page?	
Que. 3(a)	Do as directed	06
	1. What is CSS? 2. What are the different ways to apply CSS to an HTML document? 3. What is the difference between inline, internal, and external CSS? 4. What is the <style> tag used for in HTML? 5. How do you apply CSS styles directly to an HTML tag? 6. List out border property names	
Que. 3(b)	Attempt any Three	12
	1. What is the font-family property in CSS? 2. What is a CSS class selector? 3. How do you link an external CSS file to an HTML document? 4. Explain text properties in detail	
Que. 4(a)	Do as directed	05
	1. What is JavaScript? 2. How do you include JavaScript in an HTML file? 3. What is an internal JavaScript? 4. What is variable? 5. What is life time variable?	
Que. 4(b)	Attempt any Three	12
	1. Explain java script operator 2. What are the different types of loops in JavaScript? 3. Define UDF of sum of two variables 4. Write a java script code to display factorial of the given number	

APR25-03-4912
B.C.A Semester-II (OLD) Examination
(Course Implemented before June- 2020)
April - 2025
BCA-202Internet & Web-Designing

Total Marks :70

Time: 2½Hours

Que. 1(a)	Attempt the following	06
	1. Define ISP	
	2. What is IP Address?	
	3. What is Intranet?	
	4. Write Full Form of URL,FTP	
	5. Write E-Mail Structure	
	6. What is Char?	
Que. 1(b)	Attempt the following (Any Two)	12
	1. Write short note on E-Commerce	
	2. What is computer Network? Explain types of it	
	3. Write Short Note on VPN	
Que. 2(a)	Attempt the following	05
	1. Write the purpose of tag?	
	2. What is rows pan and colspan in html table?	
	3. Define <A> tag	
	4. Define <marquee> tag	
	5. Define Static web page	
Que. 2(b)	Attempt the following (Any Two)	12
	1. Explain tag with attributes	
	2. Explain <FRAMESET> tag in HTML	
	3. Explain <FORM> tag in HTML	
Que. 3(a)	Attempt the following	06
	1. What is CSS? Explain advantages of style sheet	
	2. Define External Style Sheet. How to use it?	
	3. Differentiate between different types of CSS	
Que. 3(b)	Attempt the following (Any Two)	12
	1. Explain Background CSS properties with example	
	2. Explain Border CSS properties with example	
	3. Explain Text CSS properties with example	
Que. 4(a)	Attempt the following	05
	1. What is the use of JavaScript? Give example to show usage of JavaScript	
	2. Explain prompt box with example	
Que. 4(b)	Attempt the following (Any Two)	12
	1. Define loop, Explain FOR Loop with example	
	2. Explain SWITCH control statement with example	
	3. Define UDF. Explain UDF with argument and returning value	

APR25-03-4924
B.C.A Semester-II (NEW) Examination
(Course Implemented after June- 2020)
April - 2025
BCA-204 System Analysis and Design

Total Marks :70

Time: 2½ Hours

Que. 1(a)	Do as directed	06
	1. What is System?	
	2. What is Prototype?	
	3. Who is a System Analyst?	
Que. 1(b)	Attempt any Two	12
	1. List out phase of SDLC. Explain any three phase of it	
	2. Explain Different fact gathering techniques	
	3. What do you mean by system and system analyst? Explain the characteristics of system	
Que. 2(a)	Answer the following	05
	1. Define Data capture	
	2. List out different types of code	
Que. 2(b)	Attempt any Two	12
	1. Explain the principles of code decision	
	2. Write short note on data validation	
	3. Explain design principles of output	
Que. 3(a)	Answer the following	06
	1. Define Cupping, peak load testing	
	2. What is HIPO diagram?	
	3. What is documentation? Give types	
Que. 3(b)	Attempt any Three	12
	1. Discuss conversion method in detail	
	2. List out different software design principles and explain coupling and cohesion	
	3. Explain Warnier-Orr diagram with example	
Que. 4(a)	Draw context level and all other level of DFD for library system	17
	OR	
Que. 4(a)	Draw and discuss DFD of Payroll system	17

APR25-03-4914
B.C.A Semester-II (OLD) Examination
(Course Implemented before June- 2020)
APR-2025

BCA-204 Communication Skill - II

Total Marks : 70

Time: 2½Hours

- Que. 1(a) Write an application for the post of Computer Programmer addressing to the director of AZZ TECH PVT LTD, Nr Sector 24, Patan 06
- OR
- Que. 1(a) Write an application for the post of Professor in Computer Science addressing to the Director, H.N.Guj University Patan 06
- Que. 1(b) Write an application to the Director ,APMC Patan for obtaining original documents 06
- OR
- Que. 1(b) Write an application to the Director, Nirma University for obtaining original documents 06
- Que. 1(c) Write an application demanding loan to purchase of a car against ICICI bank Patan 06
- OR
- Que.1(c) Write an application demanding Home loan to purchase of a car against ICICI bank Patan 06
- Que.2(A) Fill in the gaps 06
1. There is a cat ____ the table (use Preposition)
 2. She is eating an apple (Find verb)
 3. I Love India (Find noun)
 4. This was ____ house (her/she)
 5. Those were ____ books (my, mine)
 6. That college is ____ (my, mine)
- Que.2(B) Do as directed 06
1. Ram is a god (Find Noun)
 2. Kanu always speaks truth, he is there (Find Pronoun)
 3. She 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 give (Any Five) 05
1. Five ____ Five make Ten (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 in to Gujarati or Hindi 06
1. Kanu 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 she 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, With out an opinion or recommendation. Progress reports of various kinds, inspection reports annual reports, and sales report. All comer 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 of 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 Favourite 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 Harakh and Harshvardhan At B.Sc College Ahmedabad	
	2. Write at least 10 dialogues between Manu and Kanu at Air Port, 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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APR25-03-4901
B.C.A Semester-II (NEP-2020) Examination
Course Implemented from June-2023
April - 2025
Advance Programing Language C-MS23MJDSCBCA201
Total Marks : 50 **Time: 2 ½ Hours**

- Que. 1 Attempt the following (Any Two) 10
1. Explain how to pass array as an argument with example
 2. Explain Any two Categories of function with Example
 3. Write a program to find factorial using recursion
- Que. 2 Attempt the following (Any Two) 10
1. Explain array of structure with example
 2. Explain passing of structure as a function argument with example
 3. Explain Bit Fields with example
- Que. 3 Attempt the following (Any Two) 10
1. Explain pointer to character string with example
 2. Explain initialization and accessing array element using pointer
 3. Write a program to find length of string using pointer
- Que. 4 Attempt the following (Any Two) 10
1. Explain different types of opening modes of File
 2. Explain fseek and ftell() with syntax and example
 3. Write a program which work as copy command of DOS using command line argument
- Que. 5 Do as directed 10
1. Define : recursive function
 2. Define : structure v/s union
 3. Define : use of typedef with example
 4. Define the size allocation for int * a 16-bit compiler
 5. Define : getc(),putc()
 6. Define *p++ v/s (*p)++
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APR25-03-4901
B.C.A Semester-II (NEP-2020) Examination
Course Implemented from June-2023
April - 2025
Advance Programing Language C-MS23MJDSCBCA201
Total Marks : 50 **Time : 2 ½ Hours**

- Que. 1 Attempt the following (Any Two) 10
1. Explain how to pass array as an argument with example
 2. Explain Any two Categories of function with Example
 3. Write a program to find factorial using recursion
- Que. 2 Attempt the following (Any Two) 10
1. Explain array of structure with example
 2. Explain passing of structure as a function argument with example
 3. Explain Bit Fields with example
- Que. 3 Attempt the following (Any Two) 10
1. Explain pointer to character string with example
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1. Explain different types of opening modes of File
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 6. Define *p++ v/s (*p)++
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APR25-03-4904
B.C.A Semester-II (NEP-2020) Examination
Course Implemented from June-2023
April - 2025
Communications Skills - II - MS23AECBCA-204

Total Marks :25

Time: 2Hours

Que. 1 Attempt the following

1. Write an Application for the Post of Computer Programmer 03
OR
1. Write an Application for Loan to purchase a new House 03
2. Inviting a quotation for crockery to Ambica Sales, Gurukul road Mammager Ahmedabad form Juhi Glassware, Rajkot 03
OR
2. Write a letter to the customer service manager of Ganesh Electronics Pvt Ltd. Complaining about a defect in the music systems purchased form the store 03
3. Write an Essay on Technology- A Boon or Bane? 04

OR

3. Read Following paragraph carefully and Answer the following questions by Selecting the most appropriate option 04

For two months, I have been trying to decide who makes the best ice cream. I have narrowed it down to my four favourite manufacturers: Randolph Farms, Goodies, Disco, and Twinkle.

Let's start with Randolph Farms. Randolph Farms makes very good ice cream. They have lots of different flavors, but this doesn't really matter to me. That's because I always get coffee flavor. They make the best coffee ice cream in the world. I've never had hot coffee (the drink) but people tell me that Randolph Farms coffee ice cream tastes just like the real thing. Also, Randolph Farms uses all natural ingredients to make their ice cream. This is a good idea, I think.

Second, we have Goodies. Goodies makes excellent ice cream. Like Randolph Farms, Goodies uses all natural ingredients. They only make three different flavors strawberry, vanilla, and chocolate but they make them very well. The strawberry is amazing. Every bite of it reminds me of the strawberries that I used to pick behind my old house. The vanilla is wonderful. It is very smooth and has a refreshing, creamy taste. The chocolate is outstanding. It is made with real cocoa beans from Bolivia. I didn't know where Bolivia is so I decided to look for it on a map. After hunting awhile, I discovered that it is in South America! That's a long way to go to get cocoa, so it must be good. I would say that the only drawback to Goodies ice cream is that they only make three different flavours.

Third, we have Disco. Disco ice cream is okay. They don't have many good flavors. Actually, the only Disco flavor I like is Bubblegum. It is vanilla ice cream with little chunks of bubblegum in it. After you eat the ice cream, you can blow bubbles with the gum. That's pretty fun.

Finally, there is Twinkle. Twinkle ice cream is mediocre. The only good thing about Twinkle is that it is relatively inexpensive. You can buy a whole carton of twinkle ice cream for \$4.50 That's only week's allowance for me

1. Which of the following would be the best title for this passage?
 - A. Strawberry, Vanilla, Chocolate, and Bubblegum Too!
 - B. The Four Top Ice Cream Manufacturers
 - C. The Finest Ice Cream in the World
 - D. Picking the Best Ice Cream Manufacturer
2. If the author wanted to get a scoop of coffee ice cream, where would he or she probably go?
 - A. Randolph Farms
 - C. Disco
 - B. Goodies
 - D. Twinkle

3. According to the author, what is the only drawback to Goodies ice cream?
 - A. cheap ingredients
 - B. expensive price
 - C. Mediocre quality
 - D. a lack of flavours
4. If the author did decide that one manufacturer is best, which one would he or she probable choose?
 - A. Randolph Farms
 - B. Goodies
 - C. Disco
 - D. Twinkle

Que. 2 Attempt the following (Any Two)

1. Define Interview Explain types of Interviews
2. Write Short note on Group Discussion
3. Explain Listening Process in detail

10

Que. 3 Attempt the Following

1. Write the basic format of an application
2. List out the aspects of listening
3. List out the Barriers to effective listening
4. What is Business Letter? What is the format of Business Letter?
5. What is Order Letter?
6. List out the Interview tips when you are appearing for an interview

05

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APR25-03-4903
B.C.A Semester-II (NEP-2020) Examination
Course Implemented from June-2023
April - 2025
Electronic Commerce (E-Commerce)-MS23MJDSCBCA201A
Total Marks :50 **Time: 2½ Hours**

- Que. 1 Attempt the following (Any Two) 10
1. Explain Pure V/s Partial E-Commerce
 2. Difference Traditional commerce and E-Commerce
 3. Explain Advantages of E-Commerce
- Que. 2 Attempt the following (Any Two) 10
1. Explain Model of E-Commerce in detail
 2. Explain Firewall in detail
 3. Explain EDI with benefits
- Que. 3 Attempt the following (Any Two) 10
1. Explain e-Payment System
 2. Explain Payment getaway in detail
 3. Explain E-Check and E-Cash in detail
- Que. 4 Attempt the following (Any Two) 10
1. Explain LAN and MAN computer network with Example
 2. Explain M-Commerce with advantages
 3. Explain ethical issues in e-Commerce
- Que. 5 Do as directed 10
1. Define E-Commerce
 2. What is EFT?
 3. Define E-Wallet
 4. Define SSL
 5. What is Internet?
 6. What is Extranet?
 7. Full name of SETP
 8. What is E-Payment?
 9. Define HTTPs
 10. What is VPN?

APR25-03-4903
B.C.A Semester-II (NEP-2020) Examination
Course Implemented from June-2023
April - 2025
Electronic Commerce (E-Commerce)-MS23MJDSCBCA201A
Total Marks : 50 **Time : 2½ Hours**

- Que. 1 Attempt the following (Any Two) 10
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APR25-03-4905
B.C.A Semester-II (NEP-2020) Examination
Course Implemented from June-2023
APR-2025

Integrated Personality Development Course – I -
MS23VCABCA-205

Total Marks : 25

Time: 2 Hours

- Que. 1 Attempt the following (Any Two) 10
1. Explain what lessons students can learn from the lives of RATAN TATA?
 2. Explain how Rishis, Scholars, and intellectuals can, contribute to developing passion and pride for the nation?
 3. Explain how habits work and share techniques for developing positive habits in life
- Que. 2 Attempt the following (Any Two) 10
1. Explain ways does faith play a powerful and necessary role in students' daily lives?
 2. Explain various potential issues arise from the addictive nature of social media?
 3. Explain how performing Seva contribute to an individual's health well-being, and happiness?
- Que. 3 Attempt the following (Any Two) 05
1. What is the focus of "Restructuring Yourself"?
 2. What is the central theme of "Power of Habits"?
 3. Identify three negative emotions associated with failure
-

APR25-03-4905
B.C.A Semester-II (NEP-2020) Examination
Course Implemented from June-2023
APR-2025

Integrated Personality Development Course – I -
MS23VCABCA-205

Total Marks : 25

Time : 2 Hours

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 2. What is the central theme of "Power of Habits"?
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APR25-03-4902

B.C.A Semester-II (NEP-2020) Examination

Course Implemented from June-2023

April - 2025

Internet & Web Designing-MS23MJDSCBCA201A

Total Marks : 50

Time: 2½ Hours

- Que. 1 Attempt the following (Any Two) 10
1. Explain advantages and disadvantages of computer network
 2. What is E Commerce? Discuss about E-Banking in detail
 3. Discuss about FTP and SMTP
- Que. 2 Attempt the following (Any Two) 10
1. Explain any five HTML tags
 2. What is table? Discuss the Table tag with example
 3. Discuss about four tag with its attributes in detail
- Que. 3 Attempt the following (Any Two) 10
1. Explain the class of CSS with example
 2. Discuss about border attributes in CSS with example
 3. Explain the internal style sheet of CSS with its syntax
- Que. 4 Attempt the following (Any Two) 10
1. Discuss about for and while loop in Java Script
 2. What is variable? Discuss about scope of variable in Java Script
 3. Discuss about JavaScript Array object with example
- Que. 5 Do as directed 10
1. URL stands for _____
 2. What is WWW?
 3. Give the difference between web browser and web server
 4. Define <PRE> tag
 5. What is inline style sheet?
 6. What is CSS?
 7. Define Internet
 8. What is assignment operator?
 9. _____ is extension of JavaScript file
 10. JavaScript can be written inside an HTML file (True or False)

APR25-03-4902

B.C.A Semester-II (NEP-2020) Examination

Course Implemented from June-2023

April - 2025

Internet & Web Designing-MS23MJDSCBCA201A

Total Marks : 50

Time : 2½ Hours

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 2. What is WWW?
 3. Give the difference between web browser and web server
 4. Define <PRE> tag
 5. What is inline style sheet?
 6. What is CSS?
 7. Define Internet
 8. What is assignment operator?
 9. _____ is extension of JavaScript file
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APR25-03-4906

B.C.A Semester-II (NEP-2020) Examination

Course Implemented from June-2023

April - 2025

Mathematics – II - MS23SECBCA-206

Total Marks :25

Time: 2 Hours

Que. 1 Attempt the following (Any Two)

10

1. Multiplication of matrix

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

2. Find determinant of following matrix

$$D = \begin{bmatrix} 4 & -1 & 2 \\ 3 & 0 & 1 \\ 7 & 9 & -2 \end{bmatrix}$$

3. Evaluate $A^2 - 2A + 2I$

$$\text{Where } A = \begin{bmatrix} -2 & 1 & 4 \\ 3 & 5 & 0 \\ -1 & 0 & 6 \end{bmatrix}$$

Que. 2 Attempt the following (Any Two)

10

1. 0,5,3.5,24.5,171.5, _____ (8th term)

2. 108,126,144,162, _____ (6th term)

3. 5,15,45 _____ (75th term)

Que. 3 Attempt the following term

05

1. Scalar matrix

2. Symmetric matrix

3. Sequence

4. Finite Sequence

5. Lower triangular matrix

APR25-03-4906

B.C.A Semester-II (NEP-2020) Examination

Course Implemented from June-2023

April - 2025

Mathematics – II - MS23SECBCA-206

Total Marks : 25

Time : 2 Hours

Que. 1 Attempt the following (Any Two)

10

1. Multiplication of matrix

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

2. Find determinant of following matrix

$$D = \begin{bmatrix} 4 & -1 & 2 \\ 3 & 0 & 1 \\ 7 & 9 & -2 \end{bmatrix}$$

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10

1. 0,5,3.5,24.5,171.5, _____ (8th term)

2. 108,126,144,162, _____ (6th term)

3. 5,15,45 _____ (75th term)

Que. 3 Attempt the following term

05

1. Scalar matrix

2. Symmetric matrix

3. Sequence

4. Finite Sequence

5. Lower triangular matrix