



B.C.A. – 1st Year

SEM – I & II

Previous Year

Question Papers

Academic Year

(2022-23)





B.C.A. – 1st Year

SEM – I

Previous Year

Question Papers

Academic Year

(2022-23)





QP Code: 1868QP

Total No. of Pages: 2

Seat No.	
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January - February (Winter) Examination - 2023

Subject Name: B.C.A. (CBCS)_88344_Business Communication_27.01.2023_02.30 PM To 05.30 PM

Subject Code: 88344

Day and Date: Friday, 27-01-2023

Time: 02:30 pm to 05:30 pm

Total Marks: 80

Instructions.:

1) Figures to the right indicate full marks

Special Instruction.:

2. Que. 1 and Que. 8 are compulsory and attempt any three questions from Que. No. 2 to

Que, No. 7.

- Q.1. Multiple choice questions (12 Questions for 1 mark each) [12]**
- 1) Similar sounding create which barrier?
a) Filtering b) Defect in medium c) Self Centric d) Semantic
 - 2) When information share between similar level of the people is called as ----- communication.
a) Vertical b) Crosswise c) Horizontal d) Mix
 - 3) Minutes are example of ----- communication.
a) Written b) Oral c) Informal d) Two way
 - 4) Recalling is one of the step in -----
a) Hearing b) Verbal Communication c) Listening
d) Non verbal communication
 - 5) Communication speed depends upon intensity of the situation is called-----

a) Interaction b) Two way c) Exchange d) Dynamic Process
 - 6) Enclosure is written on the ----- of the letter.
a) Left side b) Right side c) After signature d) Before signature
 - 7) Listening is a ----- process.
a) Conscious b) Unconscious c) Natural d) All
 - 8) When we are sending huge information to another person then which barrier occurs?
a) Semantic and language b) Physical c) Organisational d) Socio-psychological
 - 9) Open mind is one of the way to overcome ----- barrier.
a) Information overload b) Filtering c) Resistance to change d) Status block
 - 10) Eye contact is one of the type of ----- communication.
a) Formal b) Informal c) Non Verbal d) Verbal
 - 11) ----- on letter express the responsibility of the writer.
a) Date b) Signature c) Salutation d) Courtesy
 - 12) in the communication process decoding means -----
a) Converting words in symbols b) Converting symbols into words
c) Conveying important message d) Using right media for communication
- Q.2. Define seminar and explain its rules. [16]**
- Q.3. "Listening process goes through various barriers." Explain [16]**
- Q.4. "We can communicate to another person either verbally or non-verbally." Explain in detail. [16]**

- Q.5. **“Communication faces various barriers” explains statement in details.** [16]
- Q.6. **Define listening and differentiate between listening and hearing in details.** [16]
- Q.7. **Write an order letter to Woodland Co. Ltd, Sector 15, North East Campbell, Canada order of different footwear for your Shoppe.** [16]
- Q.8. **Write short notes any four: -** [20]
1. **Vertical Communication**
 2. **Guidelines for effective listening**
 3. **Merits and demerits of oral communication**
 4. **Socio-psychological barriers**
 5. **Process of communication**
 6. **Essential parts of letter**



Seat No

March-April (Summer) Examination-2023

Subject Name : B.C.A. I Sem I(NEP/CBCS) Business Communication_16.06.2023_10.30 am to 1.30 pm
Sub. Code – 88344/80864

Day and Date: Friday, 16/6/2023

Total Marks 80

Time: 10:30am-1:30pm

Instructions

1. Figures to the right indicate full marks.
2. Que. 1 and 8 are compulsory and attempt any three questions from Que. No. 2 to Que. 7.

Q. 1. Multiple choice questions. (12 questions for 1 mark each)

1. Once the message is encoded in a desired format, it is transferred through a medium called.....

- A) Channel
B) Way
C) Transmission
D) Encoding

2. refers to the process of transmitting information from one person to another.

- A) Feedback
B) Communication
C) Receiver
D) Sender

3. must be avoided in business letters.

- A) Formal words
B) Polite words
C) Abbreviations
D) Clear details

4. Communication flowing between manager and outside groups like suppliers, Creditors, banks, etc. is called communication.

- A) Grapevine
B) Informal
C) Upward
D) External

5. listening is not a type of listening.

- A) Appreciative
B) Superficial
C) Extensive
D) Musical

6. is not the step in the listening process.

- A) To stop talking
B) Receiving
C) Misinterpreting
D) Responding

7. The key of success in presentation is

- A) Practice
B) Preparation
C) Planning
D) All of the above



8. Visual improves the audience's

- A) Anger
- C) Approach

- B) Attention
- D) Clarity

9. Minutes are example of communication.

- A) Oral
- C) Written

- B) Informal
- D) Verbal

10. Recalling is one of the steps in

- A) Hearing
- C) Verbal

- B) Listening
- D) Non-verbal

Q. 2 What are the barriers to effective communication? 16

Q. 3 What are the essential parts of a business letter? 16

Q. 4 Discuss in detail strategies for effective presentation. 16

Q. 5 You are Ruby Sardana, a computer teacher at College of Commerce, Jabalpur. You had placed an order for the supply of some computer accessories with M/S. InfoTech Computers, Main Bazar, Jabalpur. But the firm has not supplied the goods within time. Write a letter to the manager cancelling the order, also demand a refund of 10 thousand that the college had sent to the firm as advance payment. 16

Q. 6 Differentiate between verbal and nonverbal communication. 16

Q. 7 'Communication has formal and informal channels' Discuss. 16

Q. 8 Write short notes on any four. 20

1. Barriers to effective listening
2. Process of communication
3. Active and passive listening
4. Guidelines for effective listening
5. Written Communication
6. Body Language



January - February (Winter) Examination - 2023

Subject Name: B.C.A. (CBCS) 88342 Introduction to Programming Using C 24.01.2023 02.30 PM To 05.30 PM

Subject Code: 88342

Day and Date: Tuesday, 24-01-2023

Time: 02:30 pm to 05:30 pm



Total
Mark
s: 80

Instructions.:

1) Figures to the right indicate full marks

Special Instruction.:

Que. No.1 and Que. No. 8 are compulsory and attempt any three Questions from Que. No.2 to Que. No. 7.

Q.1. Choose correct alternative for following questions from options given - [12] below.

1. Which are the fundamental data types in C?
 1. char
 2. int
 3. float
 4. All of the above
2. How many byte(s) does a char type take in C?
 1. 1
 2. 2
 3. 3
 4. 4
3. What is the correct syntax to declare a variable in C?
 1. data_type variable_name;
 2. data_type as variable_name;
 3. variable_name data_type;
 4. variable_name as data_type;
4. Which of the following is not an arithmetic expression?
 1. $x = 10$
 2. $x /= 10$
 3. $x \% = 10$
 4. $x != 10$
5. Which of the following are valid decision-making statements in C?
 1. if
 2. switch
 3. nested if
 4. All of these
6. Multiple values of the same variable can be tested using ____.
 1. switch
 2. for
 3. Function
 4. All of these

7. Which statements are used to change the execution sequence?
1. Loop control statement
2. Function statement
3. Conditional statement
4. All of these
8. When the condition of the do-while loop is false, how many times will it execute the code?
1. 0
2. 1
3. Infinite
4. All of these
9. Which format specifier is used to read and print the string using printf() and scanf() in C?
1. %c
2. %s
3. %p
4. %str
10. Which of these is a user-defined data type in C?
1. int
2. union
3. char
4. All of these
11. A recursive function in C ____.
1. Call itself again and again
2. Loop over a parameter
3. Return multiple values
4. None of these
12. Which function is used to open a file in C?
1. open()
2. fopen()
3. file_open()
4. fileopen()



- Q.2. a) Write a program to find the sum of first n natural numbers. (10 Marks) [16]
b) Write difference between while loop and do while loop. (6 Marks)
- Q.3. a) What is problem definition? Explain different symbols used to draw flowchart. (10 Marks) [16]
b) Explain different types of errors in programming. (6 Marks)
- Q.4. a) What is pointer? Explain pointer arithmetic with appropriate example. (10 Marks) [16]
b) Explain different storage classes in C. (6 Marks)
- Q.5. Explain different formatted input and output functions used in C programming. [16]

- Q.6. a) Write a program to accept 5 subject marks and calculate total marks, [16] percentage and grade of student.(8 Marks)**
b) Write a program to input a number and find the given number is Odd or Even.(8 Marks)
- Q.7. Write a program which create student structure which accept stud [16] rollno, student name, address, subject marks, percentage and store same in file.**
- Q.8. Write notes on (Any Four) [20]**
a) File opening modes.
b) Dynamic Memory Allocation.
c) String functions.
d) Switch case statement.
e) Local and global variable.
f) Algorithm.





Seat No | BCA-I, Sem-I

Total No. of Pages-03

March-April (Summer) Examination-2023

Subject Name : B.C.A.I (NEP 88342/CBCS 80862) Sem I Introduction to Programming Using C
_14.06.2023

10:30 am to 1.30 pm
Subject Code : NEP 88342/ CBCS 80862

Day and Date: Wednesday ,14.06.2023
Time : 10.30 am to 1.30 pm

Total Mark :80

Instructions:

1) Figures to the right indicate full marks.

Special Instructions:

1) Que. 1 and Que.8 are compulsory and attempt any three Questions from Que.No.2 to Que. No.7

Q.1 Select Correct Alternative

12

1. Which of the following is not a valid C variable name?

- a) int number;
- b) float rate;
- c) int variable_count;
- d) int \$main;

2. _____ is an example of iteration in C?

- a) for
- b) while
- c) do-while
- d) all of the mentioned

3. scanf() is a predefined function in _____ header file.

- a) stdlib. h
- b) ctype. h
- c) stdio. h
- d) stdarg. H

4 Array is _____ datatype in C Programming language.

- a) Derived Data type
- b) Primitive Data type
- c) Custom Data type
- d) None of these



5. ____ loop is called as Entry Controlled loop
- a) While
 - b) Do while
 - c) For
 - d) None of the above
6. Which keyword can be used for coming out of recursion?
- a) break
 - b) return
 - c) exit
 - d) both break and return
7. ____ stores address of another variable.
- a) Variable
 - b) Array
 - c) Pointer
 - d) Data type
8. To increment variable by one we use ____ operator
- a) ++
 - b) +
 - c) +=
 - d) =+
9. Which of the following are themselves a collection of different data types?
- a) String
 - b) Structures
 - c) Char
 - d) None of the above
10. Which operator connects the structure name to its member name?
- a) -
 - b) ->
 - c) .
 - d) both . and ->
11. The format specification %d is used for ____ data type
- a) int
 - b) float
 - c) double
 - d) real
12. If there is any error while opening a file, fopen will return?
- a) Nothing
 - b) EOF
 - c) NULL
 - d) Depends on compiler
- Q. 2. a. Write a program to find sum of digits of a number. 10
b. Differentiate between while and do while loop 6



Q.3. Explain Switch with example	16
Q.4. Define Array. Explain its types.	16
Q.5 Explain String functions with example.	16
Q.6 Define Function. What is need of Function. Explain with example.	16
Q.7 Explain Structure and nested structure with example.	16
Q. 8 Write Short Notes on (Any four)	20
a) Continue	
b) File Modes	
c) Fseek	
d) For Loop	
e) Pointer	
f) Types of Error	

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Seat No. **January - February (Winter) Examination - 2023**

Subject Name: B.C.A. (CBCS)_88343_Principles of Management_25.01.2023_02.30 PM To 05.30 PM

Subject Code: 88343

Day and Date: Wednesday, 25-01-2023
Time: 02:30 pm to 05:30 pmTotal
Mark
s: 80**Instructions.:**

1) Figures to the right indicate full marks

Special Instruction.:

1) Que.1 and Que. 8 are compulsory and attempt any three Questions from Que.

No.2 to Que. No. 7.

Q.1. Multiple Choice Questions (12 Questions for 1 mark each)**[12]**

1. Henry Fayol laid down _____.

- A. 12 principles.
- B. 13 principles.
- C. 14 principles.
- D. 15 principles.

2. Espirit de corps means _____.

- A. union is strength.
- B. service is our motto.
- C. buyer beware.
- D. product is our strength.

3. F.W. Taylor is associated with _____.

- A. Scientific Management.
- B. Future management.
- C. Modern management.
- D. Principles of management.

4. Management is _____.

- A. an art.
- B. a science.
- C. an art and a science.
- D. an art not science.

5. The first and foremost function of management is _____.

- A. planning.
- B. organizing.
- C. controlling.
- D. coordination.

6. Rules, duties and responsibilities of workers are given in writing in _____.

- A. formal organization.
- B. informal organization.
- C. business or organisation.
- D. strategic organization.



7. According to Maslow, self-actualization needs is a ____.

- A. high level needs.
- B. medium level needs.
- C. lower level needs.
- D. psychological needs.

8. Following is (are) the assumption(s) of Theory X.

- A. Workers hate to improve their efficiency
- B. A worker prefers to get directed by others
- C. No worker is ready to accept any responsibility
- D. All of the above

9. Herzberg's Theory of work motivation is also known as

- A Maintenance theory of motivation
- B Hygiene theory
- C Two factor theory of motivation
- D All of the above

10. A is an information system used for decision-making, and for the coordination, control, analysis, and visualization of information in an organization.

- A. management information system (MIS)
- B. enterprise resource management
- C. customer relation management
- D. material requirement planning

11. are computer program applications used by middle and higher management to compile information from a wide range of sources to support problem solving and decision making.

- A. Executive information system
- B. Decision support systems (DSSs)
- C. Marketing information systems
- D. Office automation systems

12. The purpose of is to implement strategies for effecting change, controlling change and helping people to adapt to change.

- A. change management
- B. finance management
- C. human management
- D. production management

Q.2. Define management and explain nature and importance of management. Explain various functions of management.

[16]

- Q.3. **What is planning? State the steps in planning process.** [16]
- Q.4. **Explain importance of organizing function. Describe formal and informal organization.** [16]
- Q.5. **State importance of controlling. Explain steps in control process.** [16]
- Q.6. **What is meant by leadership? State the theories of a leadership.** [16]
- Q.7. **State the importance of motivation. Explain theory X and Y.** [16]
- Q.8. **Write short notes (Any Four out of Six)** [20]
- a) **Contribution Henry Fayol**
 - b) **Management of Change**
 - c) **Staffing Functions**
 - d) **Qualities of Leadership**
 - e) **Maslow's Hierarchy Theory**
 - f) **Management Information System**



Seat No.

March- April (Summer) Examination-2023

Subject Name: BCA Part I NEP 88343 (Sem-I) / CBCS 80863 Principles of Management
15.06.2023 10:30am to 1:30 pm

Subject Code: NEP 88343/CBCS 80863

Day & Date: Thursday 15/06/2023

Total Marks: 80

Time: 10:30am to 01:30pm

Instructions: 1) Figures right to indicate.

Special Instructions: 1) Q 1 & Q 8 are compulsory and Attempt any three questions from QNo.2 to QNo.7

Q1) A) Multiple choice Questions (12 Questions for 1 mark each) (12)

1. Management exists at the----- level of the organization.

A) Lower B) Middle C) Top D) All of the above

2. Positive motivation makes people willing to do their work in the best way they can and improve their -----

A) Productivity B) Personality C) Performance D) All of the above

3. Management is the art of getting things done through and with an informally organized-----

A) Koontz B) Terry C) Allan D) Fay

4. Espirit de corps means -----

A) Union is strength B) service is our motto C) Buyer beware D) Product is our strength

5. Every subordinate should receive orders from and be accountable to only one superior is__

A) Unity of direction B) Unity of command C) Centralization D) Scalar chain

6. The first and foremost function of management is-----

A) Planning B) Organizing C) Controlling D) controlling

7. An identified group of people contributing their efforts towards the attainment of goals is called an -----

A) Organization B) Business C) Management D) Department

8. Which organizational relationship gives a greater job satisfaction & results in maximum production?

A) Formal B) Informal C) Strategic D) Business

9. When the authority is delegated as per the organization structure it is called -----

A) Formal B) Informal C) Strategic D) Business



10. Motivation helps to ----- willingness in minds of workers

- A) Stable B) Decrease C) Increase D) None of the above

11. Theory Y of motivation follows ----- style of leadership

- A) Positive B) Negative C) Autocratic D) Democratic

12. Esteem Needs are also called as ----- needs

- A) Self-realization B) Egoistic C) Safety D) Basic

Q2) Explain the functions of Management in detail (16)

Q3) Describe the types and steps of control (16)

Q4) Explain the theories of leadership (16)

Q5) Explain Maslow's Hierarchy theory (16)

Q6) Explain the contribution of F W Taylor (16)

Q7) Define staffing and its functions of staffing (16)

Q8) Write notes on (Any four out of six) (20)

1) Role of manager in organisation

2) Classification of organisation

3) Steps in planning process

4) Theory X and Y

5) Qualities of leadership

6) Corporate social responsibility



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Seat No. **January - February (Winter) Examination - 2023**

Subject Name: B.C.A. (CBCS) 88345 Office Automation 28.01.2023 02.30 PM To 05.30 PM

Subject Code: 88345

Day and Date: Saturday, 28-01-2023

Time: 02:30 pm to 05:30 pm

Total
Mark
s: 80**Instructions.:**

1) Figures to the right indicate full marks

Special Instruction.:

Que.1 and Que. 8 are compulsory and attempt any three Questions from Que. No.2 to Que. No. 7.

Q.1. Qu.1) Multiple Choice Questions (12 questions for 1 mark each) [12]

12

1. Which of the following is mandatory for sending an email?

- a) Body
- b) Sender mail ID
- c) Attachment
- d) Subject

2. Which of the following option is correct to send a received mail to another person?

- a. Reply to
- b. Forward
- c. Reply all
- d. Copy

3. CC stands for ____

- a. Carbon copy
- b. Copy Carbon
- c. Carbon Carrying
- d. Copy Carrying

4. Numbers or letters that appear below the normal text are called?

- a. Subscript
- b. Toptext
- c. Supertext
- d. Superscript

5. The Justify option in Word is used for?

- a. Aligning the text to center
- b. Aligning the text to left margin
- c. Aligning the text to both left and right margin
- d. Aligning the text to right margin

6. _____ feature in OpenOffice Writer allows user to build an automated table of content from headings in their document. [12]

- a) Template
- b) Table of content
- c) Default document
- d) All of these

7. _____ is the shortcut key to cut the image from a Writer document.

- a) Ctrl + X
- b) Ctrl + P
- c) Ctrl + C
- d) Ctrl + V

8. To apply motion effects to different objects of a slide ____ feature useful.

- a) Slide transition
- b) Slide design
- c) Animation objects
- d) Animation scheme

9. _____ menu provides you options like animation, scheme, custom animation, slide transition.

- a. Insert menu
- b. Format menu
- c. Tools menu
- d. Slide show menu

10. Which of the following is the file extension of the PowerPoint application?

- a. .ppt
- b. .jpg
- c. .html
- d. .docs

11. In a presentation of PowerPoint, the special effects used to introduce slides are known as _____

- a. Custom Animation
- b. Transitions
- c. Annotations
- d. None of the above

12. Which of the following is the default standard layout in PowerPoint?

- a. Blank slide
- b. Title and content slide
- c. Title slide
- d. None of the above

Q.2. What is Internet? Write different types of internet connections. [16]

Q.3. Write steps for creating email id. Explain options in mail- inbox, compose, forward & reply [16]



- Q.4. **Discuss various formatting document features in MS Word** [16]
- Q.5. **What is writer? Explain different formatting table options in writer** [16]
- Q.6. **Discuss working with graphics and printing options in writer** [16]
- Q.7. **Write procedure for creating power point presentation with - adding formatting text and graphics** [16]
- Q.8. **Write notes on (Any Four out of Six) 20** [20]
1. **Browser**
 2. **Search engine**
 3. **Header & footer in Writer**
 4. **Mail merge in MS Word**
 5. **Master document in writer**
 6. **Find & replace in Writer**



Seat No BCA-I, Sem -I

Total No. of Pages-

March-April (Summer) Examination-2023

Subject Name : B.C.A.I (NEP 88345/ CBCS 80865) Sem I Office Automation

17.06.2023 10.30 am to 1.30 pm

Subject Code : NEP 80865

Day and Date: Saturday ,17.06.2023

Total Mark :80

Time :10.30 am to 1.30 pm

Instructions:

1) Figures to the right indicate full marks.

Special Instructions:

1) Que. 1 and Que.8 are compulsory and attempt any three Questions from Que.No.2 to Que. No.7

Q.1 Multiple Choice Question (12 questions for 1 mark each) [12]

1) Microsoft word is ____ software.

- a) Application b) Compiler c) System d) Programming

2) Which is not in MS Word?

- a) Italic b) Magic tool c) Font d) Bold

3) ____ cannot be used to work in MS Office.

- a) Joystick b) Scanner c) Light Pen d) Mouse

4) Which is not an edition of MS Word?

- a) MS Word 2003 b) MS Word 2007
c) MS Word 2010 d) MS Word 1020

5) The ____ works with the standard Copy and Paste commands.

- a) View tab b) Paragraph dialog box
c) Office Clipboard d) All of these

6) What is the blank space outside the printing area on a page?

- a) Clipart b) Margins
c) Header d) Footer

7) Which of these is the page setup orientation by default of the slides in PowerPoint?

- a) Landscape b) Portrait c) Vertical d) None of the above

8) From which of these menus can we access a Text Box, Picture, Chart etc.?

- a) View b) Insert c) Edit d) File

9) Excel is a ____ program developed by Microsoft.

- a) Spreadsheet b) Document



- c) Data management c) All of the above

10) What is the extension of a Microsoft Excel file?

- a) Msxcl b)xcl c)xlsx d)xlsm

11)The name of a word document displays in ____.

- a) Ribbon b) Title bar
c) Status bar d) Home tab

12) Ctrl + N is used to

- a) Save the Document b) Open the Document
c) Create a New Document d) Close the Document

Q.2 Explain MS-Word with neat labelled diagram.. [16]

Q.3 Explain the types of internet connection. [16]

Q.4What is Powerpoint.Explain in bried [16]

Q.5 Expalin the steps for email –ID and creating a Mail merge [16]

Q.6 Explain animation and transition in presentation of powerpoint. [16]

Q.7 Expain the Ms-word to format a document -font,color,table , save the document and creating a templet. [16]

Q.8 Write notes on(Any Four out of Six) [20]

- a) Internet
b) Header
c) writer
d) Web browsers
e)ISDN
f) search Engine





QP Code: 1742QP

Total No. of Pages: 2

Seat No.	
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January - February (Winter) Examination - 2023

Subject Name: B.C.A. (CBCS)_88341_Fundamentals of Computer_23.01.2023_02.30 PM To 05.30 PM

Subject Code: 88341

Day and Date: Monday, 23-01-2023

Time: 02:30 pm to 05:30 pm

Total Marks: 80

Instructions.:

1) Figures to the right indicate full marks

Special Instruction.:

1) Que.1 and Que. 8 are compulsory 2) attempt any three Questions from Que. No.2 to Que. No. 7.

Q.1. Multiple choice Questions (1 Marks for each) [12]

- 1) Second Generation computers were based on _____
 - a) Transistor
 - b) Vacuum tube
 - c) IC
 - d) None of the Above
- 2) The fastest and most expensive computers are _____
 - a) Mainframe Computers
 - b) Super Computers
 - c) Quantum Computers
 - d) Micro Computers
- 3) Which of the following groups consist of only Input devices?
 - a) Mouse, Keyboard, Monitor
 - b) Mouse, Keyboard, Printer
 - c) Mouse, Keyboard, Scanner
 - d) Mouse, Keyboard, Plotter
- 4) Which of the following is not a hardware?
 - a) Processor
 - b) Printer
 - d) Mouse
 - d) Java
- 5) Convert : $(110)_2 = (_)_{10}$
 - a) 6
 - b) 4
 - c) 5
 - d) 9
- 6) A byte is a collection of _____
 - a) 4 bits
 - b) 8 bits
 - c) 12 bits
 - d) 6 bits
- 7) Which of the following is/are example(s) of an Operating System?
 - a) UNIX
 - b) Linux
 - c) Windows XP
 - d) All of the above
- 8) The windows interface is based on
 - a) Graphical user Interface
 - b) Application program Interface
 - c) Clipboard
 - d) None of these
- 9) what is the smallest unit of memory
 - a) bit
 - b) byte
 - c) gb
 - d) mb
- 10) Who is the father of Computer?
 - a). Allen Turing
 - b). Charles Babbage
 - c). Simur Cray
 - d). Augusta Adaming
- 11). In MICR 'C' stands for
 - a). Character
 - b) Code
 - c) Cases
 - d). common
- 12) Which of the following is not a storage medium?
 - a). Hard disk
 - b). Flash drive
 - c). DVD
 - d). scanner

Q.2. Explain the Magnetic tape drive and its types?

[16]

- Q.3. **Explain Various Printers with its features** [16]
- Q.4. **What is Computer? Explain block diagram of Computer with suitable diagram** [16]
- Q.5. **Explain octal,decimal,hexadecimal and binary number system with example** [16]
- Q.6. **Explain the functions of Operating system** [16]
- Q.7. **Explain the structure of Linux operating system** [16]
- Q.8. **Write short note on? (Write any 4)** [20]
- a) VI Editor
 - b) Difference between RAM and ROM
 - c) Features of windows
 - d) Notepad
 - e) Mouse and Keyboard
 - f) Computer languages



Seat No BCA-I, Sem. I

Total No. of Pages-02

March-April (Summer) Examination-2023

Subject Name : B.C.A.I (NEP 88341/CBCS 80861) Sem I Fundamental of Computer _13.06.2023
10.30 am to 1.30 pm

Subject Code : NEP 88341/ CBCS 80861

Day and Date: Tuesday ,13.06.2023
Time : 10.30 am to 1.30 pm

Total Mark :80

Instructions:

1) Figures to the right indicate full marks.

Special Instructions:

1) Que. 1 and Que.8 are compulsory and attempt any three Questions from Que.No.2 to Que. No.7

Q1. Choose correct alternative

[12]

- Which of the following language does the computer understand?
 - Computer understands only C Language
 - Computer understands only Assembly Language
 - Computer understands only Binary Language
 - Computer understands only BASIC
- Which of the following unit is responsible for converting the data received from the user into a computer understandable format?
 - Output Unit
 - Input Unit
 - Memory Unit
 - Arithmetic & Logic Unit
- Magnetic tape is a type of _____ access device.
 - Sequential
 - Direct access
 - Step
 - Indirect
- The disk's surface is divided into a number of invisible concentric circles called:
 - Drives
 - Tracks
 - Slits
 - References
- Who is the father of Computers?
 - James Gosling
 - Charles Babbage
 - Dennis Ritchie
 - Bjarne Stroustrup
- Which of the following computer language is written in binary codes only?
 - pascal
 - machine language
 - C
 - C#



7. Which of the following devices provides the communication between a computer and the outer world?

- a) Compact
- b) I/O
- c) Drivers
- d) Storage

8. The rules that give meaning to the instructions.

- a) Semantics
- b) Syntax
- c) Code
- d) Cases

9. Convert : $(1102)_2 = ()_{10}$

- a) 6
- b) 4
- c) 5
- d) 9

10. In MICR 'C' stands for

- a) Character
- b) Code
- c) Cases
- d) Common

11. A plug and play storage device that simply plugs in the port of a computer is ____.

- a) Flash drive
- b) Compact disk
- c) Hard disk
- d) CD

12. Input Devices that use a special ink that contains magnetizable particles of iron oxide are

- a) Optical disks
- b) Magnetic disks
- c) MICR
- d) Magnetic drives

Q.2. What is computer ? Explain block diagram of computer with suitable diagram [16]

Q.3. Explain various Secondary storage devices. [16]

Q.4. Explain the structure of Linux operating system. [16]

Q. 5. Explain various types of computer and features. [16]

Q.6. Explain functions of operating system. [16]

Q. 7. What is printer? Explain types of printer. [16]

Q. 8 Write short note on (Write any 4) [20]

- a) i) $(645)_8 = ()_{10}$ ii) $(110101)_2 = ()_8$
- b) Components of windows Desktop.
- c) Programming Language.
- d) Control Panel
- e) Applications of Computer
- f) Digitizer.





B.C.A. – 1st Year

SEM – II

Previous Year

Question Papers

Academic Year

(2022-23)





QP Code: 1722QP

Total No. of Pages: 2

Seat No. | **BCA-I, Sem - II**

January - February (Winter) Examination - 2023

Subject Name: B.C.A. (CBCS) 80868_DBMS_24.01.2023_10.30 AM To 01.30 PM

Subject Code: 80868

Total
Mark
s: 70

Day and Date: Tuesday, 24-01-2023
Time: 10:30 am to 01:30 pm

Instructions.:

1) Figures to the right indicate full marks

Special Instruction.:

1) Que.1 and Que. 6 are compulsory 2) Attempt any three Questions from Que. No.2 to Que. No. 5.

Q.1. A) Choose correct alternatives for following questions from options given [20] below. (10 Marks)

1. A functional dependency is a relationship between or among

.....

1. Entities
 2. Rows
 3. Attributes
 4. Tables
- 2. The methodology for documenting databases illustrating the relationship between various entities in the database is.....**
1. Data flow diagram
 2. State transition diagram
 3. Entity-relationship diagram
 4. Entity sequence diagram
- 3. There are _____ types of mapping cardinality**
1. 1
 2. 2
 3. 3
 4. 4
- 4. _____ is not a valid data type in MS Access.**
1. Auto number
 2. Currency
 3. Memo
 4. Picture
- 5. What is the maximum length a text field?**
1. 75
 2. 120
 3. 255
 4. 265

6. In Access, ___ are used to store the data.

1. Report
2. Form
3. Table
4. Query

7. Types of SQL Commands are -

1. DDL
2. DML
3. DCL
4. All of the above

8. Full form of DML is -

1. Data Multiplication Language
2. Data Manipulation Language
3. Data Modify Language
4. Data Mapping Language

9. The table records can be retrieved using which command?

1. RETRIEVE
2. SELECT
3. CREATE
4. ALTER

10. What is sequential file organization?

1. Any record can be placed wherever there is a space for the record
2. Records are stored in a sequential order according to a search key
3. A hash function is computed on some attribute and that decides the block
4. None of the mentioned

B) Write answers of following questions in brief(Any Two) 10
Marks

1. Describe advantages and disadvantages of DBMS.
2. Explain different keys used in DBMS.
3. What are different datatypes used in MS Access?

- Q.2. What is DBMS? Explain need and features of DBMS. [10]
- Q.3. What is normalization? Explain the different normal forms. [10]
- Q.4. Explain data definition language (DDL) commands with example. [10]
- Q.5. Explain file organization in detail. [10]
- Q.6. Write notes on (Any Four) [20]
1. Centralized database system.
 2. Aggregate functions.
 3. Entity Relationship Model
 4. Order by clause
 5. Users of databases.
 6. DML



Seat No **BCA-I, Sem, -II**

Total No. of Pages-02

March-April (Summer) Examination-2023

Subject Name : B.C.A.I (NEP 88349/CBCS 80868) Sem II DBMS _13.06.2023
02.30 pm to 05.30 pm

Subject Code : NEP 88349/ CBCS 80868

Day and Date: Tuesday ,13.06.2023

Total Mark :80

Time : 02.30 pm to 05.30 pm

Instructions:

1) Figures to the right indicate full marks.

Special Instructions:

1) Que. 1 and Que.8 are compulsory and attempt any three Questions from Que.No.2 to Que. No.7

Q1. Choose correct alternative

[12]

1. What is a database?
 - a) Organized collection of information that cannot be accessed, updated, and managed
 - b) Collection of data or information without organizing
 - c) Organized collection of data or information that can be accessed, updated, and managed
 - d) Organized collection of data that cannot be updated
2. _____ is a set of one or more attributes taken collectively to uniquely identify a record.
 - a) Primary Key
 - b) Foreign key
 - c) Super key
 - d) Candidate key
3. What is the full form of DBMS?
 - a) Data of Binary Management System
 - b) Database Management System
 - c) Database Management Service
 - d) Data Backup Management System
4. Which of the following is not a type of database ?
 - a) Hierarchical
 - b) Network
 - c) Distributed
 - d) Decentralized
5. The ability to query data, as well as insert, delete, and alter tuples, is offered by _____.
 - a) TCL (Transaction Control Language)
 - b) DCL (Data Control Language)
 - c) DDL (Data Definition Language)
 - d) DML (Data Manipulation Language)



6. The oldest DB model is _____
- Network
 - Physical
 - Hierarchical
 - Relational
7. Which is the lowest level of abstraction that describes how the data are actually stored?
- Physical
 - View
 - Abstract
 - User
8. For performing tasks like creating the structure of the relations, deleting relation, which of the following is used?
- Data definition language
 - Data derivation language
 - Dynamic data language
 - Detailed data language
9. What is rows of a relation known as?
- Degree
 - Entity
 - Tuple
 - None
10. Which of the following command is used to change data in table?
- INSERT
 - UPDATE
 - MERGE
 - NONE
11. What is the number of tuples of a relation known as?
- Column
 - Cardinality
 - Entity
 - None
12. Select the correct command to find the number of values in a column.
- ADD
 - SUM
 - TOTAL
 - COUNT

- Q.2. What is DBMS ? Explain structure of DBMS with diagram. [16]
- Q.3. What is normalization ? Explain different normal forms with example. [16]
- Q.4. What is meant by data model? Explain different types of data models available in DBMS. [16]
- Q. 5. What is database system? Explain types of database system. [16]
- Q.6. What is SQL? Explain DDL,DML commands in SQL. [16]
- Q. 7. What is MS-access? Write steps for creation of table, form, query, report in Access. [16]
- Q. 8 Write short note on (Write any 4) [20]
- Schema and Subschema
 - Primary Key and Foreign Key
 - Data abstraction and Data Independence
 - Types of DQL commands
 - Features of DBMS.
 - Users of Database.





Seat No. BCA-I, Sem-II

January - February (Winter) Examination - 2023

Subject Name: B.C.A. (CBCS)_80872_Mathematical Foundations for Computer Applications_30.01.2023_10.30 AM
To 01.30 PM

Subject Code: 80872

Day and Date: Monday, 30-01-2023
Time: 10:30 am to 01:30 pm

Total Marks: 70

Instructions:

1) Figures to the right indicate full marks

Special Instruction:

Que. 1 and Que. 6 are compulsory and attempt any three questions from Que. No. 2 to Que.

No. 5

Q.1.

[20]

A) Select the correct alternative and rewrite the statement (10 Marks):

- If $U = \{1, 2, 3, 4, 5, 6\}$, $A = \{2, 3\}$ and $B = \{3, 4, 5\}$ then $(A \cup B)^c =$
 - $\{1, 2, 5, 6\}$
 - $\{1, 5, 6\}$
 - $\{3, 4\}$
 - $\{1, 6\}$
- If $A = \{a, b\}$, $B = \{x, y\}$ then $A \times B =$
 - $\{(a, x), (a, y), (b, x), (b, y)\}$
 - $\{(x, a), (y, a), (x, b), (y, b)\}$
 - $\{(a, b), (x, y)\}$
 - $\{(b, a), (y, x)\}$
- _____ is the associative law for three sets A, B and C.
 - $A \cup (B \cap C) = (A \cup B) \cap C$
 - $A \cup (B \cup C) = (A \cup B) \cup C$
 - $A \cap (B \cup C) = (A \cap B) \cup C$
 - $A \cap (B \cap C) = (A \cap B) \cap C$
- If p is a true statement and q is a false statement then statements $p \wedge q$ and $\sim p \wedge \sim q$ are _____.
 - both true statements
 - both false statements
 - $p \wedge q$ is false and $\sim p \wedge \sim q$ is true statement
 - none of these
- If $A = \begin{bmatrix} 1 & 0 \\ -4 & 3 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & 3 \\ -1 & -6 \end{bmatrix}$ then $2A - 3B =$
 - $\begin{bmatrix} 4 & 9 \\ 5 & -24 \end{bmatrix}$
 - $\begin{bmatrix} -4 & 9 \\ -5 & 24 \end{bmatrix}$
 - $\begin{bmatrix} -4 & -9 \\ -5 & -24 \end{bmatrix}$
 - $\begin{bmatrix} -4 & -9 \\ -5 & 24 \end{bmatrix}$
- A diagonal matrix having all of its elements are equal is called as _____ matrix.
 - unit
 - null
 - scalar
 - singular
- If $A = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix}$, then $A^2 =$
 - $\begin{bmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{bmatrix}$
 - $\begin{bmatrix} 2 & 2 & 2 \\ 2 & 2 & 2 \\ 2 & 2 & 2 \end{bmatrix}$
 - $\begin{bmatrix} 3 & 3 & 3 \\ 3 & 3 & 3 \\ 3 & 3 & 3 \end{bmatrix}$
 - $\begin{bmatrix} 3 & 2 & 2 \\ 2 & 3 & 2 \\ 2 & 2 & 3 \end{bmatrix}$
- The contrapositive of "if p then q" is _____.
 - "if q then p"
 - "if $\sim p$ then $\sim q$ "
 - "if $\sim q$ then $\sim p$ "
 - $\sim q \vee p$
- A graph that does not have any loops or parallel edges is called _____.
 - multigraph
 - pseudograph
 - simple graph
 - trivial graph
- Number of edges incident with the vertex v of a Graph G is called _____.
 - degree of a Graph G
 - degree of a vertex v
 - Handshaking Lemma
 - none of these

B) Attempt any two of the following: (10 Marks)

- Define: (i) Equality of sets, (ii) Union of two sets, (iii) Empty set.
- If $A = \begin{bmatrix} 1 & 0 \\ -4 & 3 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & 3 \\ -1 & -6 \end{bmatrix}$ then find (i) $2A - 3B$ and (ii) $A - 2A^T$.
- Prove that the statement $(p \rightarrow q) \leftrightarrow (\sim q \rightarrow \sim p)$ is a tautology.

Q.2. Define Cartesian product of two sets. If $P = \{1, 2, 3\}$ and $Q = \{4, 5, 6\}$ then [10] determine Cartesian product $P \times Q$ and $Q \times P$.

- Q.3. Define converse, inverse and contrapositive of the conditional statement $p \rightarrow q$ [10]**
. Write each of the following statements in its equivalent contrapositive form:
(i) If Howard can swim across the lake, then Howard can swim to the island.
(ii) If today is Easter, then tomorrow is Monday.

- Q.4. [10]**

Define (i) Unit matrix and (ii) Null matrix. If $A = \begin{bmatrix} 4 & 0 \\ 1 & -2 \end{bmatrix}$, then prove that $A^2 - 2A - 8I = O$, where O is the null matrix of the order same as matrix A .

- Q.5. Define : (i) Simple graph, (ii) Multigraph, (iii) Pseudo graph, (iv) Degree of vertex of a graph, (v) Isolated vertex of a graph, (vi) Pendant vertex of a graph. [10]**

- Q.6. Write note on any four of the following : [20]**

- (a) Operations on sets.**
- (b) Determinant of second and third order.**
- (c) Relations and Functions.**
- (d) Valid and Invalid arguments.**
- (e) Elementary row and column transformations.**
- (f) Directed graph.**



v) A matrix in which no. of rows and no. of columns is equal then this matrix is called -----.

- a) row matrix
- b) column matrix
- c) square matrix
- d) none of these

vi) If $A = \begin{bmatrix} 1 & 2 & 3 \\ 1 & 1 & 5 \\ 2 & 4 & 7 \end{bmatrix}$ then $(A^T)^T =$ -----

- a) $\begin{bmatrix} 1 & 1 & 2 \\ 2 & 1 & 4 \\ 3 & 5 & 7 \end{bmatrix}$
- b) $\begin{bmatrix} 3 & 1 & 2 \\ 5 & 1 & 1 \\ 7 & 2 & 4 \end{bmatrix}$
- c) $\begin{bmatrix} 1 & 2 & 3 \\ 1 & 1 & 5 \\ 2 & 4 & 7 \end{bmatrix}$
- d) $\begin{bmatrix} 1 & 1 & 5 \\ 2 & 4 & 7 \\ 1 & 2 & 3 \end{bmatrix}$

vii) A statement pattern which is neither a tautology nor contradiction is called -----

- a) inverse
- b) contingency
- c) converse
- d) duality

viii) '16 is a perfect square but 17 is a prime number'

The symbolic form of above statement is -----

- a) $p \vee q$
- b) $\sim p \wedge \sim q$
- c) $p \wedge q$
- d) $p \rightarrow q$

ix) $p \vee q \equiv q \vee p$ and $p \wedge q \equiv q \wedge p$ is called ----- laws.

- a) commutative
- b) distributive
- c) complement
- d) involution

x) A vertex of degree one is called ----- vertex.

- a) pseudo
- b) pendant
- c) isolated
- d) simple

xi) The no. of edges in K_9 is -----

- a) 33
- b) 66
- c) 63
- d) 36

xii) If the edge e_i of a graph $G(V, E)$ has its two end vertices coincident then e_i is said to be form a -----

- a) cycle
- b) path
- c) loop
- d) parallel edges



Q.2) a) Define Empty set and finite set. [16]

If $A = \{1, 2, 3, 4\}$, $B = \{3, 4, 5, 6\}$, $C = \{4, 5, 6, 7, 8\}$ and the universal set $X = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$ then verify the following.

$$A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$$

b) Define Cartesian product of two sets.

If $A = \{a, b, c\}$ & $B = \{x, y\}$ then

find $A \times B$, $B \times A$, $A \times A$, $B \times B$

Q.3) a) Define scalar matrix. If $A = \begin{bmatrix} 2 & 4 & 4 \\ 4 & 2 & 4 \\ 4 & 4 & 2 \end{bmatrix}$ [16]

then verify that $A^2 - 8A$ is a scalar matrix.

b) Define Venn diagram.

Verify the following by Venn diagram

$$(A \cap B)' = A' \cup B'$$

Q.4) a) Define Tautology and Contradiction [16]

Using truth table examine whether the following statement pattern is tautology, contradiction or contingency

$$(\sim q \wedge p) \wedge (p \wedge \sim p)$$

b) Using the truth table prove the following logical equivalence

i) $(p \leftrightarrow q) \equiv (p \wedge q) \vee (\sim p \wedge \sim q)$

ii) $p \rightarrow (q \vee r) \equiv (p \rightarrow q) \vee (p \rightarrow r)$



Q.5) a) Define the following with example [16]

- i) Complete graph
- ii) Regular graph
- iii) Bipartite graph
- iv) Complete Bipartite graph

b) Define converse, inverse and contrapositive of the conditional statement $p \rightarrow q$

Write converse, inverse and contrapositive of the following statement.

'If it rains then the match will be cancelled'.

Q.6) a) Draw the following graphs [16]

- i) $K_{3,4}$
- ii) 3 - regular graph with 6 vertices

iii) Adjacency matrix $A(G) = \begin{bmatrix} 1 & 2 & 0 & 2 \\ 2 & 1 & 0 & 1 \\ 0 & 0 & 1 & 2 \\ 2 & 1 & 2 & 1 \end{bmatrix}$

b) Define Row matrix and column matrix.

If $A = \begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$ then prove that $A^2 - 5A - 2I = 0$

where 0 is the null matrix of the order same as the matrix A

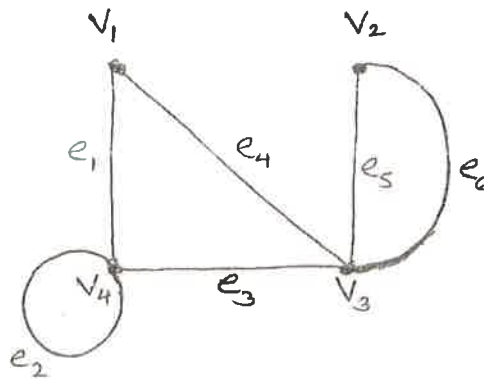
Q.7) a) Define transpose of matrix [16]

If $A = \begin{bmatrix} 1 & 2 & 1 \\ 0 & 2 & 3 \\ 0 & 0 & 1 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 2 & 3 \\ 1 & 1 & 5 \\ 2 & 4 & 7 \end{bmatrix}$

then verify that $(AB)^T = B^T A^T$



b) Define i) Simple graph ii) Multi graph iii) Pseudo graph iv) Degree of vertex and write the adjacency matrix and incidence matrix for the following graph



Q.8) Write note on any four of the following.

[20]

- i) Function and operation of functions with example.
- ii) Inverse of matrix
- iii) Duality
- iv) Roster method (Tabular form) & Set builder method with example
- v) Operations on graph : Union & Intersection with example.
- vi) Matrix representation of a graph.



Seat No. **January - February (Winter) Examination - 2023****Subject Name:** B.C.A. (CBCS)_80870_Object Oriented Programming Using C++_27.01.2023_10.30 AM To 01.30 PM**Subject Code:** 80870**Day and Date:** Friday, 27-01-2023**Time:** 10:30 am to 01:30 pm**Total Mark
s: 70****Instructions.:**

1) Figures to the right indicate full marks

Special Instruction.:

Q.1 and Q.6 are compulsory and attempt any three questions from Q.2 to Q.5

- Q.1. A. Multiple Choice Question (10 questions for 1 mark each) [20]**
1. Which of the following is not a type of Constructor in C++?
 - a) Default constructor
 - b) Parameterized constructor
 - c) Copy constructor
 - d) Friend constructor
 2. Which of the following members that can be inherited but not accessible in child class?
 - a) Public
 - b) Protected
 - c) Private
 - d) All of the above
 3. Which of the following statements is correct about the friend function in C++ programming language?
 - a) It is able to access private members of a class
 - b) It can access the private members of a class
 - c) It is able to access the public members of a class
 - d) All of the above
 4. Which of the following is not a kind of inheritance?
 - a) Distributed
 - b) Multiple
 - c) Multi-level
 - d) Hierarchal
 5. Which of the following refers to the wrapping of data and its functionality into a single individual entity?
 - a) Modularity
 - b) Abstraction
 - c) Encapsulation
 - d) None of the above

6. Which of the following refers to using the existing code instead of rewriting it?

- a) Inheritance
- b) Encapsulation
- c) Abstraction
- d) All of the above

7. Which of the following functions must use the reference?

- a) Copy constructor
- b) Destructor
- c) Parameterized constructor
- d) None of the above

8. The term modularity refers to ____.

- a) To divide the program into small independent parts
- b) To override the parts of the program
- c) To wrapping things into a single unit
- d) None of the above

9. The static member functions _____

- a) can access only non-static members of a class
- b) can access only static members of a class
- c) Have direct access both types of members
- d) None of the above

10. ___ is the function whose definition can be substituted at a place where its function call is made.

- a) Friend function
- b) Inline function
- c) Volatile function
- d) External function

B. Short answer questions (Any two out of three)

- a) Differentiate between procedure oriented programming and object oriented programming.
- b) Explain different features of Object Oriented Programming.
- c) How to define member function inside and outside of class?

Q.2. Explain different operators available in C++. [10]

Q.3. What is constructor? Explain different types of constructor with suitable example. [10]

Q.4. What is inheritance? Explain different types of inheritance with suitable example. [10]

Q.5. What is polymorphism? Explain different types of polymorphism with suitable example. [10]



Q.6. Write notes on (Any four out of Six)

[20]

- a) Benefits of object oriented programing.**
- b) Static members**
- c) Friend function**
- d) Dynamic memory allocation**
- e) this pointer**
- f) Looping statements in C++.**



Seat No

Total No.of Pages-2

March-April (Summer) Examination-2023

Subject Name : B.C.A. I (CBCS 80870)Sem II Object Oriented Programming Using C++
15.06.2023 _2.30 pm to 5.30 pm

Subject Code : CBCS 80870

Day and Date: Thursday , 15.06.2023

Total Mark : 70

Time : 2.30 pm to 5.30 pm

Instructions:

1) Figures to the right indicate full marks

Special Instructions:

1) Que. 1 and Que.6 are compulsory and attempt any three Questions from Que.No.2 to Que. No.5

Q.1 Select Correct Alternative

10

1. Data members and member functions are enclosed within _____.

- A)union B)structure
C)class D)array

2. Which of the following accesses the seventh element stored in array?

- A) array[6]; B) array[7];
C)array(7); D) array;

3. ____ keyword should be used to declare static variables.

- A)static B) stat
C) common D)const

4. class X, class Y and class Z are derived from class BASE. This is _____ inheritance.

- A) Multiple B) Multilevel
C)Hierarchical D) Single

5. Function having same name as class name is called as _____

- A)Constructor B)Encapsulation
C)Function overloading D)None

6. Which of the following is an abstract data type?

- A)Class B)Int
C)String D)Double





QP Code: 2005QP

Total No. of Pages: 2

Seat No. **January - February (Winter) Examination - 2023**

Subject Name: B.C.A. (CBCS) 80871 Financial Accounting with Tally_28.01.2023_10.30 AM To 01.30 PM

Subject Code: 80871

Day and Date: Saturday, 28-01-2023

Time: 10:30 am to 01:30 pm

Total

Mark

s: 70

Instructions.:

1) Figures to the right indicate full marks

Q.1. Instruction: - 1) Question No. 1 and question No. 6 are Compulsory [20]

2) Solve any three questions from Question No. 2 to question No. 5

3) Figures to the right indicate marks.

Q.1. A) Multiple Choice Questions (10 Marks)

1. Find out which is not a Default Ledger in Tally

A. Cash in Hand B. Capital Account

C. Profit & Loss D. None of these

2. The shortcut key to quit from Tally is

A. Ctrl + L B. Ctrl + P

C. Ctrl + M D. Ctrl+Q

3) _____ has been called as language of business

A. Communication B. Letters

C. Accounting D. Finance

4) _____ involves the preparation of financial statements (P &L A/C and Balance Sheet)

A. Recording B. Classifying

C. Summarizing D. Interpreting

Business is considered as a separate and distinct from owner is _____ concept

A. Separate Entity B. Money Measurement

C. Going concern D. Materiality

6) _____ = Liabilities + Capital

A. Fixed Asset B. Share Capital

C. Assets D. Valuation

7) Goods used by proprietor of business affect goods account and _____ account

A. Profit B. Goods consumed

C. Drawings D. Expenses

8) 'Capital' means.....

A. Owner investing funds into the business B. Owner withdrawing funds from the business

C. Giving name to the business D. commencing the business

9) Every business transaction has _____ effects as per dual aspect concept

A. Two B. Single

C. Three D. None



10) Debit credit rule for personal account is

- A. Debit the receiver and credit the giver B. Debit the giver and credit the receiver
C. Debit what comes in and credit what goes out D. Debit what goes out and credit what comes in

10) Debit credit rule for personal account is

- A. Debit the receiver and credit the giver B. Debit the giver and credit the receiver
C. Debit what comes in and credit what goes out D. Debit what goes out and credit what comes in

Q.1.B) Give reasons or Short answer questions (any two)

10 marks

a) Explain the different types of vouchers.

b) Explain Accounting Concepts.

c) Journalize the following transactions in the books of Kiran for the year 2019

June 1	Kiran started business with cash Rs. 1,50,000 & building Rs.
2	50,000.
3	Purchased goods for cash Rs. 50,000.
4	Purchased goods from Kapil of Rs. 80,000 at 10% trade discount.
5	Sold goods for cash Rs. 60,000 at 10% cash discount.
6	Sold old Machinery for Rs. 25,000.
7	Withdraw cash from Bank of Maharashtra Rs 5,000 for personal use.
8	Deposited in Bank of Maharashtra Rs. 20,000.
9	Paid Rent of Rs. 3,000.
10	Goods worth Rs. 1,500 distributed as free sample. Received commission Rs. 325.

Q.2. Explain the Internal & External Users of Accounting in detail. (10 marks) [10]

Q.3. Explain types of Accounts & rules of debit & credit as per Double Entry System. (10 marks) [10]

Q.4. Explain the 28 types of groups in tally. (10 marks) [10]

Q.5. What is Tally. Explain the steps in company creation,. (10 marks) [10]

Q.6. Q.6. Write Short notes on (any four) (20 Marks) [20]

- a) Objectives of accounting**
- b) Accounting Conventions**
- c) Ledger**
- d) Accounting Terminology**
- e) Balance sheet**
- f) Trading a/c**

Seat no	
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Total No. of pages: 5

March-April (summer) Examination-2023

B.C.A. (PART-I) (Sem-II) Examination, March-2023 (NEP)

Financial Accounting with Tally

Sub. Code: NEP 88352 / CBCS 80871

Day and Date: Friday 16/06/2023

Total Marks: 80

Time: - 02:30 pm to 05:30 pm

Instructions:

- 1) Que.1 and Que. 8 are compulsory
- 2) Attempt any three Questions from Que. No.2 to Que. No. 7
- 3) Figures to the right indicate marks.

Q.1 Multiple Choice Questions

12 Marks

- 1) Brief explanation of an entry is called as _____.
a) Folio b) Narration c) Posting d) Journalising
- 2) Surplus of Income over expenses is _____.
a) Profit b) Deficit c) Loss d) Financial Statements 3) Machinery
- 3) Account is _____ Account.
a) Nominal b) Income c) Personal d) Real
- 4) Debit all _____ and credit all income and gains.
a) Giver b) Expenses & Losses c) Goes Out d) None of these
- 5) _____ discount is not recorded in the books of accounts.
a) Trade b) Cash c) GST d) VAT
- 6) 'c/d' indicates _____ balance.
a) Opening b) Closing c) Positive d) Negative



- 7) Assets sold on credit are entered in _____.
 a) Sales Return Book b) Purchase Return c) Sales Book d) Purchase Book
- 8) All _____ transaction options are recorded in Cash Book.
 a) Purchase b) On credit c) Bank d) Cash
- 9) Tally is also called _____.
 a) Multi Lingual b) Single Lingual c) Lingual d) None of these
- 10) Tally Package is developed by _____.
 a) Peutronics b) Tally Solutions c) Coral Software d) Vedika Software
- 11) Which menu appears after starting Tally for the first time?
 a) Gateway of Tally b) Company Info c) Display d) None of these
- 12) Which of the options is an example of business liability?
 a) Creditors b) Cash c) Building d) Land

Q.2 Define Financial Accounting and explain Accounting Concepts and Standards. 16 Marks

Q.3 Define GST and explain objectives of GST. 16 Marks

Q.4 Journalise the following transaction in the books of Raghav. 16 Marks
 April

- 2 Raghav started his business with Cash Rs. 70000.
- 3 Deposited in to Bank Rs. 50000.
- 4 Purchased goods for cash from Mr. Ram Rs. 5000.
- 5 Bought goods on credit from Riya Rs. 6000.
- 6 Returned goods to Riya Rs. 1000.
- 10 Sold goods for cash to Mr. Ashish Rs. 6000.
- 15 Sold goods to Shruti Rs. 6000.
- 16 Shruti returns goods rs.1000.
- 17 Drew from Bank for personal use Rs. 5000.
- 25 Paid to Riya in full Settlement by Cheque Rs. 4800.
- 26 Received a cheque from Shruti in full settlement Rs. 4900.



- 30 Draw cash for personal purpose Rs. 5000.
 27 Draw cash from bank for office use Rs. 10000.
 30 Paid salary to staff Rs. 5000.
 30 Issued a cheque for Rs. 3000 in favour of Shri. Devi a landlady towards rent for April.

Q.5 Enter the following transactions in the cash book of M/s. Rohit Traders. 16 Marks

Date 2014	Details	Rs.
December 01	Cash in Hand	27,500
December 05	Cash received from Nitu	12,000
December 08	Insurance Premium paid	2,000
December 10	Furniture purchased	6,000
December 14	Sold Goods for cash	16,500
December 18	Purchased Goods from Naman for cash	26,000
December 22	Cash paid to Rohini	3,200
December 25	Sold Goods to Kanika for cash	18,700
December 28	Cash Deposited into Bank	5,000
December 30	Rent paid	4,000
December 31	Salary paid	7,000

Q. 6 Enter the following transactions of M/S. Kirti in Purchase book, Sales book, Purchase Return book, Sales Return book. 16 Marks

March 2018

- 1 Sold goods to Sudhakar Stores rs.39000.
 2 Purchased goods from Avadhoot Traders rs. 47350
 6 Sudhakar Stores returned goods of rs. 3220.
 10 Cash purchases rs.18000 and Cash sales rs. 15000.
 13 Goods received from Rakesh rs.37000 which was ordered on 28th Feb.
 17 Sold goods rs to.33400 to Ragini @ 10% T.D.
 20 Returned goods to Rakesh rs. 3850 as they were defective.



22 Credit purchases from M/S. Michel Traders rs. 19450 and they allowed a T.D. rs.150.

23 Purchased goods from Garima Stores rs.8000.

26 Sweety supplied goods to us rs.2450 (Net).

29 Goods returned to Garima rs. 3000.

30 Ragini returned goods rs.3340 (Net).

Q.7 Prepare the trading profit and loss account of M/s Mohit Traders as on 31 March 2017 and balance sheet as on that date:

Marks 16

Debit Balances	Amount	Credit Balances	Amount
Opening stock	24,000	Sales	400000
Purchases	160000	Return outwards	2,000
Cash in hand	16,000	Capital	150000
Cash at bank	32000	Creditors	64000
Return inwards	4,000	Bills payable	20,000
Wages	22000	Commission received	4000
Fuel and Power	18,000		
Carriage inwards	6,000		
Insurance	8,000		
Buildings	100000		
Plant	80,000		
Patents	30,000		
Salaries	28,000		
Furniture	12,000		
Drawings	18,000		
Rent	2,000		
Debtors	80,000		
Total	640000		640000



Adjustments:

- (a) Salaries outstanding 12,000
- (b) Wages outstanding 6,000
- (c) Commission is accrued 2,400
- (d) Depreciation on building 5% and plant 3%
- (e) Insurance paid in advance 700
- (f) Closing stock 12,000

Q.8 Short Notes (Any 4) 20 Marks

- 1) Golden Rules of Accounting.
- 2) Financial Statements
- 3) Trial Balance
- 4) Types of Accounts
- 5) Features of Tally
- 6) Difference between Manual Accounting and Computerised Accounting



Seat No

Total No. of Pages-02

March-April (Summer) Examination-2023

Subject Name : B.C.A.I (NEP 88350/CBCS 80869) Sem II Operating System _14.06.2023
2.30 pm to 5.30 pm

Subject Code : NEP 88350/ CBCS 80869

Day and Date: Wednesday ,14.06.2023
Time : 2.30 pm to 5.30 pm

Total Mark :80

Instructions:

1) Figures to the right indicate full marks.

Special Instructions:

1) Que. 1 and Que.8 are compulsory and attempt any three Questions from Que.No.2 to Que. No.7

Q.1 Select Correct Alternative

12

- Which of the following is not an operating system?
 - Windows
 - Linux
 - Oracle
 - DOS
- What is the ready state of a process?
 - when process is scheduled to run after some execution
 - when process is unable to run until some task has been completed
 - when process is using the CPU
 - none of the mentioned
- Information about all the files is kept in the _____.
 - Disk Structure
 - Directory Structure
 - Array Structure
 - All of above
- _____ state of process defined "The process is being created"
 - New
 - Running
 - Waiting
 - Ready
- Which one of the following is the address generated by CPU?
 - physical address
 - absolute address
 - logical address
 - none of the mentioned



6. In which of the following file is a series of code sections that the loader can bring into memory and execute.

- a) Text file b) Source file
- c) Executable file d) Distributed file

7. Program always deals with _____

- a) logical address b) absolute address
- c) physical address d) relative address

8. Operating System maintains the page table for _____

- a) each process b) each thread
- c) each instruction d) each address

9. The primary function of an operating system is

- a) Memory Management
- b) Process Management
- c) Disks and I/O device Management
- d) All of the above

10. The main memory accommodates _____

- a) cpu b) user processes
- c) operating system d) all of the mentioned

11. What is the mean of the Booting in the operating system?

- a) Restarting computer
- b) Install the program
- c) To scan
- d) To turn of

12. When you delete a file in your computer, where does it go?

- a) Recycle bin b) Hard disk
- c) Taskbar d) None of these

- Q. 2. Explain Types of operating System 16
- Q.3. Explain Directory Structure 16
- Q.4. What is process. Explain Process States 16
- Q.5 Explain Requirements of Memory Management
- Q.6 Define File and file attributes. Explain Basic file operations. 16
- Q.7 Explain Dynamic partitioning
- Q. 8 Write Short Notes on (Any four) 20
 - 1. Process Creation
 - 2. Paging
 - 3. Function of Operating System
 - 4. Segmentation
 - 5. File Types
 - 6. File access Mechanisms

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Seat No

Total No. of Pages-

March-April (Summer) Examination-2023

Subject Name : B.C.A.I (NEP 88351) Sem II Web Technology-I _15.06.2023_ 2.30 pm to 5.30 pm

Subject Code : NEP 88351

Day and Date: Thursday ,15.06.2023

Total Mark :80

Time : 2.30 am to 5.30 pm

Instructions:

1) Figures to the right indicate full marks.

Special Instructions:

1) Que. 1 and Que.8 are compulsory and attempt any three Questions from Que.No.2 to Que. No.7

Q.1 Multiple Choice Question (12 questions for 1 mark each) [12]

1. What does the abbreviation HTML stand for?

- a) HyperText Markup Language. b) HighText Markup Language.
c) HyperText Markdown Language. d) None of the above.

2. How to create a hyperlink in HTML?

- a) google.com
b)
b) google.com
c) <a> www.google.com < google.com /a>

3. <input> is -

- a) format tag. b) an empty tag.
c) All of the above d) None of the above

4. Which of the following HTML tag is the special formatting tag?

- a) <p> b) c) <pre> d) None of the above

5. How to select the elements with the class name "example"?

- a) Example b) #example c) .example d) Class example

6. The CSS property used to make the rounded borders, or rounded corners around an element is -

- a) border-collapse b) border-radius
c) border-spacing d) None of the above

7. Internal styles are written within the _____ element.

- a) <style>...</style> b) <css>...</css>



B.C.A. Part –I (Sem- II) NEP 2020 (Course Code 7824)

Examination March, 2023

Subject Name: Yoga & Physical Management Skill

Sub. Code: SEC II - 88356

Day and Date: Monday - 19/06/2023

Time: 1 Hour 2:30 to 4:30 p.m.

Marks Obtained	
Examiner's Sign.	
Jr. Supervisor Sign.	
Seat Number	
Student Sign.	

Total Marks: 50

Instruction: 1) All questions compulsory

2) Figures to the right indicate full marks

3) Each Question carries 2 Marks



१. हे केवळ व्यायाम प्रकार नसून ती एक संपूर्ण जीवन पध्दती आहे.
- १) सुदृढता २) व्यायाम ३) योग ४) यापैकी नाही
२. सुमारे वर्षापूर्वी महर्षी पतंजली यांनी योगसूत्राची रचना केली.
- १) २५०० २) १००० ३) ९०० ४) यापैकी नाही
३. योगाची मुख्य आठ अंगे आहेत. त्यांना असे म्हटले जाते.
- १) पंचांग योग २) अष्टांग योग ३) षष्टांग योग ४) यापैकी नाही
४. पाठ जमिनीवर टेकवून करावयाच्या आसनांना स्थितीतील आसने
- असे म्हणतात.
- १) बैठक २) दंड ३) शयनस्थिती ४) विपरीत शयनस्थिती
५. पोट जमिनीवर टेकवून करावयाच्या आसनांना स्थितीतील आसने
- असे म्हणतात.
- १) बैठक २) दंड ३) शयनस्थिती ४) विपरीत शयनस्थिती
६. भुजंगासन स्थितीतील आसन आहे.
- १) बैठक २) दंड ३) शयनस्थिती ४) विपरीत शयनस्थिती
७. सर्वांगासन स्थितीतील आसन आहे.
- १) बैठक २) दंड ३) शयनस्थिती ४) विपरीत शयनस्थिती
८. गरुडासन स्थितीतील आसन आहे.
- १) बैठक २) दंड ३) शयनस्थिती ४) विपरीत शयनस्थिती

९. सिंहासन स्थितीतील आसन आहे.
- १) बैठक २) दंड ३) शयनस्थिती ४) विपरीत शयनस्थिती
१०. अष्टांग योगात सर्वात शेवटचे अंग..... आहे.
- १) यम २) प्राणायाम ३) आसन ४) समाधी
११. अष्टांग योगात सर्वात पहिले अंग..... आहे.
- १) यम २) प्राणायाम ३) आसन ४) समाधी
१२. योगासने आणि प्राणायामामुळे शरीर आणि सद्दृढ बनते.
- १) लवचिक २) ताठर ३) सडपातळ ४) यापैकी नाही
१३. मुळे सांध्याच्या हालचाली अधिक चांगल्या पद्धतीने होऊन
- सांधेदुःखी कमी होण्यास मदत होते.
- १) व्यायाम २) योगासने ३) जिम ४) यापैकी नाही
१४. मुळे प्राणवायूचा शरीरामध्ये सर्वत्र संचार होवून फुफ्फुसे, हृदय, मेंदू,
- रक्तवाहिन्या यांची कार्यक्षमता सुधारते.
- १) यम २) नियम ३) आसन ४) प्राणायाम
१५. योगासनामुळे मध्ये वृद्धी होण्यास मदत होते.
- १) विस्मरण २) स्मरणशक्ती ३) ताण ४) यापैकी नाही
१६. हात व पायांची विशेष अशी सुस्थिती म्हणजे होय.
- १) यम २) नियम ३) आसन ४) प्राणायाम
१७. बसून करावयाच्या आसनांना स्थितीतील आसने असे म्हणतात.
- १) बैठक २) दंड ३) शयनस्थिती ४) विपरीत शयनस्थिती
१८. म्हणजे अशी स्थिती की जी आपल्याला चांगले दिसण्यासाठी
- चांगले वाटण्यासाठी व उत्तम काम करण्यासाठी मदत करते.
- १) सुदृढता २) शक्ती ३) थकवा ४) स्नायू
१९. शारिरीक सुदृढतेमध्ये शरीरातील हृदय, फुफ्फुस आणि यांच्या
- कामगिरीचा समावेश होतो.
- १) सुदृढता २) स्थिती ३) थकवा ४) स्नायू



२०. टारगेट हार्ट रेट झोनमुळे तुम्ही करताना सुरुवातीला किती संहतीने
करण्याची गरज आहे हे कळते.

१) ऑक्सिजन २) वजन उतरविणे ३) व्यायाम ४) हृदय

२१. हे सूत्र हार्ट रेट झोन मोजण्याचे प्रसिद्ध सूत्र आहे.

१) ऑक्सिजन २) व्यायाम ३) कार्बोनेन ४) हृदय

२२. MHR म्हणजे मॅक्सिमम्..... रेट.

१) ऑक्सिजन २) व्यायाम ३) कार्बोनेन ४) हार्ट

२३. मस्क्युलर इन्ड्युरन्स् म्हणजे न थकता तुम्ही किती वेळ हालचाल करू
शकता.

१) स्ट्रेन्थ २) फोर्स ३) नर्व्हज् ४) वेट

२४. मसल स्ट्रेन्थ वाढविण्याचा सर्वोत्तम उपाय म्हणजे कार्यक्रमात
सहभागी होणे.

१) लूज वेट, २) फोर्स ३) रेझिस्टन्स ट्रेनिंग ४) वेट

२५. उभे राहून करावयाच्या आसनांना स्थितीतील आसने असे म्हणतात.

१) बैठक २) दंड ३) शयनस्थिती ४) विपरीत शयनस्थिती



