VIDYA VIHAR COLLEGE
MAULANA MAZHARUL HAQUE ARABIC & PERSIAN UNIVERSITY, PATNA

BCA 1ST YEAR

INTERNAL ASSIGNMENT

SESSION : 2022-25

PAPER : I   INRODUCTION TO INFORMATION TECH.

[MAX MARKS : 20]

The question paper is in consists two sections A & B. Section - A consists of 10 objective type questions. Attempt all questions. Section - B consists of 02 descriptive type question. Each question is of 05 marks (word limit 300 words). Attempt all questions. Use graphs, charts and diagrams to explain your answer if necessary .

Section : A

1. Objective type questions. Attempt all questions. [01 x 10 = 10]

1> While working with MS DOS which command is used to transfer a specific file from one disk to another disk?
- Copy
- Disk copy
- Rename
- Time

2> Which command lists the contents of current directory of a disk?
- Copy
- Tree
- CD
- DIR

3> The ___ works with the standard Copy and Paste commands.
- View tab
- Paragraph dialog box
- Office Clipboard
- All of these

4> What does COUNTA () function do?
- Counts cells having alphabets
- Counts empty cells
- Counts cells having number
- Counts non-empty cells

5> In the formula, which symbol specifies the fixed columns or rows?
- $
- *
- %
- ;

6> How can you delete a page in MS Word?
- Press Ctrl + X
- Use the 'Delete' key
- Select the page contain and press Backspace
- Use the 'Backspace' key

7> How do you delete a block page in MS Word?
- Press the 'Delete' key
- Right click and select delete
- Place the cursor at the end of the document and press backspace
- Select the page content

8> "Ctrl+=" is used for_____.
- Change alignment
- Subscript
- Superscript
- Change font to bold

9> The intersection of a column and a row in a worksheet is called ____.
- Box
- Cell
- Range
- Page Break

10> Which function is used to get a date n working days in the future or past?
- Workday()

- Day()
- Workdate()
- Daym()

2. **Descriptive type questions (maximum limit 250 - 300 words). Attempt all questions.   [05 x 2 = 10]**

1. Explain the term:

   a) Worksheet

   b) Workbook

   c) MS PowerPoint

   d) MS DOS

2. a) What is PowerPoint? Why is it use. Explain with diagram.

   b) What is a slide shorter view?

VIDYA VIHAR COLLEGE
MAULANA MAZHARUL HAQUE ARABIC & PERSIAN UNIVERSITY, PATNA

BCA 1ST YEAR

INTERNAL ASSIGNMENT

SESSION : 2022-25

PAPER : II   **COMPUTER MATHEMATICAL FOUNDATION**

[MAX MARKS : 20]

The question paper consists of two section. Each question is of 05 marks (word limit 300 words) . Attempt all questions. Use graphs, charts and diagrams to explain your answer if necessary.

Section : A

1. **Short answer type questions (No Word Limit). Attempt any 03 questions.**
   [03x2 = 6]
   i. Find the values of X,Y,Z from the matrix equation
   $$\begin{bmatrix} X\text{-}3 & 3X\text{-}Z \\ X\text{+}Y\text{+}2 & X\text{+}Y\text{+}Z \end{bmatrix} = \begin{bmatrix} \text{-}2 & 0 \\ 5 & 6 \end{bmatrix}$$
   ii. Write down all possible subset of $A = \{2,3\}$
   iii. Find the value of A and B when :
       (a)   (a+b , b-2) = (5 , 1)
       (b)   (a+b , 2b-3) = (4 , -5)
   iv. If $A = \{2,3,5,8\}$, $B = \{1,2,3,4,5\}$; find
       (a) $A \cup B$ (b) $A \cap B$
   V. If $A = \{2,3,4\}$, then find P(A)=?

Section : B

2. **Long answer type questions (No Word Limit). Attempt any 02 questions. 02x5 = 10]**
   i. If $A = \begin{bmatrix} 3 & \text{-}2 \\ 4 & \text{-}2 \end{bmatrix}$, then find the scalar λ so that $A^2 = \lambda A - 2J$

   ii. In a group of 400 people, 250 can speak Hindi and 200 can speak English. How many people can speak both Hindi and English?

   iii. If $\left(\frac{X}{3} + 1, y - \frac{2}{3}\right) = \left(\frac{5}{3}, \frac{1}{3}\right)$ find the value of X and Y.

VIDYA VIHAR COLLEGE
MAULANA MAZHARUL HAQUE ARABIC & PERSIAN UNIVERSITY, PATNA

BCA 1ST YEAR

INTERNAL ASSIGNMENT

SESSION : 2022-25

PAPER : III   **COMMUNICATION AND SOFT SKILL**

[MAX MARKS : 20]

The question paper is in consists two sections-A & B. Section-A consists of 05 short answer type questions, of 02 marks (word limit 100 words). Attempt any 03 questions. Section-B consists of 03 descriptive type questions. Each question is of 07marks (word limit 300 words). Students are required to attempt Any 02 questions. Use graphs, charts and diagrams to explain your answer if necessary.

Section : A

1. Short answer type questions (maximum limit 80-100 words). Attempt any 03 questions. **[03x2 = 6]**
    i. Write a note on the impact of posture and movement as a non – verbal communication.
    ii. How does a person's dress or dressing style influence during communication?
    iii. What kind of language is used while negotiating?
    iv. Give three differences between the two styles of negotiations.
    v. When is meeting relatively short? Why?

Section : B

2. Long answer type questions (maximum limit 250-300 words). Attempt any 02 questions. **[02x7 = 14]**

    i. Explain the communication process in your own words.
    ii. Define
        a) Communication
        b) Mass Communication
        c) Extra-personal Communication
        d) Intra-personal Communication
        e) Feedback
    iii. What is Group Discussion? Elaborate advantages and disadvantages of Group Discussion.

BCA 1ST YEAR

INTERNAL ASSIGNMENT

SESSION : 2022-25

PAPER : V   **PROGRAMMING IN "C"**

[MAX MARKS : 20]

The question paper consists of 04 descriptive type question. Each question is of 05 marks (word limit 300 words) . Attempt all questions. Use graphs, charts and diagrams to explain your answer if necessary.

Section : A

1. What is for loop in c language and also draw flow chart and write a program to print Armstrong number.

2. (a) Write a c program to print factorial number.
   (b) Draw flow chart of (do while) loop and Write a program in c language to print Vowel and Consonant, when user input any character either capital or small alphabet.

3. (a) Write a program in c language to print swapping two number without using third variable.

   (b) What is Relational Operators and Logical operators in C?

   4. . Write a program in c language to print swapping two number without using third variable.

VIDYA VIHAR COLLEGE
MAULANA MAZHARUL HAQUE ARABIC & PERSIAN UNIVERSITY, PATNA

BCA 1ST YEAR

INTERNAL ASSIGNMENT

SESSION : 2022-25

PAPER : VI **OPERATING SYSTEM**

[MAX MARKS : 20]

The question paper is in consists two sections A & B. Section - A consists of 10 objective type questions. Attempt all questions. Section - B consists of 02 descriptive type question. Each question is of 05 marks (word limit 300 words). Attempt all questions. Use graphs, charts and diagrams to explain your answer if necessary.

Section : A

⇨ **Objective type questions. Attempt all questions. [01 x 10 = 10]**

1. In real time operating system _____
   a) process scheduling can be done only once
   b) all processes have the same priority
   c) kernel is not required
   d) a task must be serviced by its deadline period

2. CPU scheduling is the basis of _____
   a) multiprogramming operating systems
   b) larger memory sized systems
   c) multiprocessor systems
   d) none of the mentioned

3. What is a batch operating system?
   i> Multiple individual tasks
   ii> Similar types of tasks are grouped together
   iii> Tasks operating at different systems
   iv> All of the above

4. What is the maximum length of the filename in DOS?
   i. 4
   ii. 5
   iii. 8
   iv. 12

5. The objective of multiprogramming is
   i> To have some process running at all time

ii> Single process should run at a time
iii>   To maximize CPU utilization
iv>   To minimum CPU utilization
    1> 1
    2> 2, 3
    3> 1, 3
    4> 1, 4

6. For a single processor system
   i> There will never be more than one running process
   ii> If more processes, the rest will have to wait until the CPU is free and can be rescheduled
   iii> It maximize the CPU utilization
   iv> There will be more than one running process
       1> 1, 2
       2> 2, 3
       3> 1, 3
       4> 1, 4

7. The process is swapped out of the memory, and is later swapped into memory, by the………….
   1> Long Term Scheduler
   2> Short Term Scheduler
   3> Medium Term Scheduler
   4> None of the above

8. Operating system maintains the page table for
   (a) Each process   (b) Each thread   (c) Each instruction   (d) Each address

9. Which is not the state of the process?
   (a) Blocked   (b) Running   (c) Ready   (d) Privileged

10. What should be the extension to execute files?
    (a) EXE   (b) BAT   (c) COM   (d) All of these

Section : B

⇨ **Descriptive type questions (maximum limit 250 - 300 words). Attempt all questions.   [05 x 2 = 10]**

Ques 1 What is the Classification of Operating system? With suitable example.

Ques 2 (a) what is difference between Kernel and Operating System?

(b) What is a Process Control Block and what information is contained in it? Explain with the diagram?

VIDYA VIHAR COLLEGE
MAULANA MAZHARUL HAQUE ARABIC & PERSIAN UNIVERSITY, PATNA

BCA 1ST YEAR

INTERNAL ASSIGNMENT

SESSION : 2022-25

PAPER: VII   **COMPUTER SYSTEM ARCHITECTURE**

[MAX MARKS : 20]

The question paper is in consists two sections-A & B. Section-A consists of 05 short answer type questions, of **02** marks (word limit 100 words). Attempt any **03** questions. Section-B consists of 03 descriptive type questions. Each question is of **07**marks (word limit 300 words). Students are required to attempt Any 02 questions. Use graphs, charts and diagrams to explain your answer if necessary.

Section : A

1. **Short answer type questions (maximum limit 80-100 words). Attempt any 03 questions. [03x2 = 6]**

   1. Explain Associative Memory and Virtual Memory?
   2. Explain decoder and Encoder?
   3. Explain multiplexer with the help of 4:1 multiplexer?
   4. What is counter?
   5. Explain the term cache memory?

Section: B

2. **Long answer type questions (maximum limit 250-300 words). Attempt any 02 questions.   [02x7 = 14]**

   1. Draw and explain a 4-bit adder - substractor circuit? Explain with suitable diagram.
   2. Explain the all types of Flip-Flop with its all essential components?