I Semester B.C.A. Degree Examination, May/June 2022
(NEP Scheme)
COMPUTER APPLICATION
CAC 01 : Fundamentals of Computers

Time : 2½ Hours

Max. Marks : 60

Instruction : *Answer **all** the Sections.*

SECTION – A

I. Answer **any 6** questions, **each** question carries **2** marks. (6×2=12)

1. Mention any two characteristics of computer.

2. What is system software ? Give an example.

3. What is microcomputer ?

4. Define operating system.

5. What is application programs ?

6. What is DBMS ?

7. Write any two applications of database.

8. What is web browser ?

9. What is Logical address ?

SECTION – B

II. Answer **any 4** questions, **each** question carries **6** marks. (4×6=24)

10. Explain about the basic organization of a digital computer with a neat diagram.

11. Explain analog and digital computers.

12. Explain how a CPU and memory works.

13. Explain any two types of operating systems.

14. Explain DML commands with example.

15. What is HTML ? Explain the basic tags of HTML with syntax and an example.

P.T.O.

1

SECTION – C

III. Answer **any 3** questions, **each** question carries **8** marks. (3×8=24)

16. a) Explain about the different symbols used in flowchart. 4

    b) Convert $(BCA)_{16} = (\ )_2, (\ )_8$. 4

17. a) Explain any two input devices. 4

    b) Explain any two output devices. 4

18. a) Write a note on mainframe computers. 4

    b) Explain any four functions of operating system. 4

19. a) Write a note on booting. 4

    b) Explain any four basic UNIX commands. 4

20. a) Write a note on database users. 4

    b) Explain the features of Internet. 4

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I Semester B.C.A./B.Sc.(FAD) Examination, May/June 2022
(NEP Scheme)
HINDI LANGUAGE
Paper – I : Niband Karyalay Hindi Aur Sankshepan

Time : 2½ Hours   Max. Marks : 60

I. निम्नलिखित प्रश्नों का **एक** शब्द या वाक्य में उत्तर लिखिए।   (10×1=10)

   1) 'शेप ऑफ थिंग्स टू कम ' पुस्तक के लेखक का नाम लिखिए ।

   2) इटली के प्रसिद्ध निर्वासित देश भक्त का नाम क्या है ?

   3) वैशाली नगरी हजारों वर्ष के नर-नारियों की कैसी कथा सुनाती है ?

   4) प्रेमचन्द ने घटना प्रधान कथा के स्थान पर किस प्रधान कथा की सृष्टि की है ?

   5) साहित्यकार बहुधा किससे प्रभावित होता है ?

   6) आलोपी की माँ क्या काम करती थी ?

   7) दुकान के नौकर का नाम क्या रख देना चाहिए ?

   8) 'लार्ड कार्नवालिस' को दूसरी बार किस साल में गवर्नर जनरल बनाया गया ?

   9) गवर्नर जनरल की उम्र क्या है ?

  10) जीवन का घन घोर विनाश किसमें है ?

II. किन्हीं **दो** का सप्रसंग व्याख्या कीजिए।   (2×7=14)

   1) ' आज की शानदार मुलाकात से बहुत आनन्द और इस क्षणों की याद बहुत दिनों तक जीवन को गुद्गुदाते रहेगी।'

   2) ' तुम हृदय के भी अन्धे हो, ऐसी अन्धेरी गलियों में प्राण देकर कुद्द स्वर्ग नहीं पहुँच जाओगे।'

   3) 'मुझे लगा दरवाजे पर फिर दस्तक हुई। मैंने पूछा- कौन ?' जबाब आया- मैं बसन्त! मैं खीझ उठा "कह दिया कि फिर आना।"

III. किसी **एक** प्रश्न का उत्तर लिखिए। (1×16=16)

'जीवन में साहित्य का स्थान' निबन्ध का सारांश लिखिए एवं साहित्य की विशेषताओं पर प्रकाश डालिए।

अथवा

'आनन्द के क्षण' पाठ के आधार पर जीवन में आनन्द के क्षण के महत्व पर प्रकाश डालिए।

IV. **एक** पर टिप्पणी लिखिए। (1×5=5)

1) आलोपी

2) बुद्धदेव।

V. किसी **दो** प्रश्नों का उत्तर लिखिए। (2×4=8)

1) टिप्पण लेखन किसे कहते हैं तथा कितने प्रकार के होते हैं ?

2) प्रतिवेदन कितने प्रकार के होते हैं ? सविस्तार लिखिए।

3) आलेखन की परिभाषा देते हुए उसकी विशेषताओं पर प्रकाश डालिए।

VI. निम्नलिखित गद्यांश का उचित शीर्षक देते हुए **एक तिहाई** शब्दों में संक्षेपण कीजिए। (1×7=7)

परिश्रम और निरन्तर अभ्यास से कठिन समझे जाने वाले कार्य भी सुगम हो जाया करते हैं। ज्ञान, भाव और कर्म से सम्बन्धित सभी क्षेत्रों में इसका चमत्कार देखा जा सकता है, नियमित अभ्यास वज्र से वज्र मूर्ख को भी चतुर बना देता है। प्यार की अधिकता और निःस्वार्थकता भयंकर से भयंकर और दुष्ट से दुष्ट व्यक्ति को भी अपना बना लेती है। पापी से पापी भी ईश्वर की कृपा का भागीदार बन जाता है। बट्टे की रगड़ से पत्थर की सिल भी चिकनी हो जाती है।

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ಮೊದಲ ಸೆಮಿಸ್ಟರ್ ಬಿ.ಸಿ.ಎ. ಪದವಿ ಪರೀಕ್ಷೆ, ಮೇ/ಜೂನ್ 2022

(NEP ಸ್ಕೀಂ)

ಕನ್ನಡ ಭಾಷೆ

ಪತ್ರಿಕೆ – 1 : ಕನ್ನಡ ಸಂಕುಲ

Time : 2½ Hours   Max. Marks : 60

I. ಕೆಳಗಿನ ಯಾವುದಾದರೂ **ಆರಕ್ಕೆ** ಉತ್ತರಿಸಿ.   (6×2=12)

    1) ಬಿ. ಎಂ. ಶ್ರೀಕಂಠಯ್ಯ.

    2) ಮನುಧರ್ಮಶಾಸ್ತ್ರ.

    3) ಕೆ. ಎಸ್. ನಿಸಾರ್ ಅಹಮದ್.

    4) ಬೋಳುಮರ.

    5) ಲೇಖಕರ ಮನೆಯ ಬಾಗಿಲು ಪ್ರಸಂಗ.

    6) ಡಾಕ್ಟರ್ ಚಂದ್ರಪ್ಪ.

    7) ಲಲಿತಳ ಹರಕೆ ಪ್ರಸಂಗ.

    8) ಗಂಗಾಂಬಿಕೆ ದೇವಿ ಪೂಜೆಯ ಪ್ರಸಂಗ.

    9) ಬಿ.ಜಿ.ಎಲ್. ಸ್ವಾಮಿ.

II. ಕೆಳಗಿನ ಯಾವುದಾದರೂ **ನಾಲ್ಕು** ಪ್ರಶ್ನೆಗಳಿಗೆ ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಉತ್ತರಿಸಿ.   (4×6=24)

    10) 'ನೆರಳು' ಕವಿತೆಯ ಆಶಯ.

    11) 'ತಕರಾರಿನವರು' ಪದ್ಯದ ಸ್ವಾರಸ್ಯ.

    12) ಗಾಣಿಗರ ರಾಜನ ಮೇಲೆ ನಿರೂಪಕರು ಅರಣ್ಯಾಧಿಕಾರಿಗಳಿಗೆ ದೂರು ಕೊಟ್ಟ ಪ್ರಸಂಗ.

    13) ಚಿಮಿಣಿ ಎಣ್ಣೆ ಪ್ರಸಂಗ.

    14) ಹರಕೆಗಳ ಬಗೆಗೆ ಪ್ರಬಂಧಕಾರರ ನಿಲುವುಗಳು.

    15) ಸಾರ್ಕೇಂದ್ರ, ಸಸ್ಯಕ್ಕೆ ನಾಮಕರಣ ಮಾಡಿದ ಸಂದರ್ಭ.

                                                        P.T.O.

AECC – 1.7

III. ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಮೂರು ಪ್ರಶ್ನೆಗಳಿಗೆ ವಿವರವಾದ ಉತ್ತರ ಬರೆಯಿರಿ.   (3×8=24)

16) ಮನುಷ್ಯತ್ವಕ್ಕಿಂತಲೂ ಶ್ರೇಷ್ಠವಾದ ಧರ್ಮ ಇಲ್ಲ ಎಂಬುದನ್ನು ಕುವೆಂಪು ಹೇಗೆ ವ್ಯಕ್ತಪಡಿಸಿದ್ದಾರೆ ?
   ವಿವರಿಸಿ.

17) ನಗರದ ಜೀವನವನ್ನು ಕುರಿತು ನಿಸಾರ್ ಅಹಮದ್ ಅವರ ಅಭಿಪ್ರಾಯವನ್ನು ವಿವರಿಸಿ.

18) ಮಾಣಿಕ್ಯೆಯ ವ್ಯಕ್ತಿತ್ವವನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.

19) 'ಬೆಟ್ಟದ ಭಾಗೀರಥಿ' ಪ್ರಬಂಧದ ವೈಶಿಷ್ಟ್ಯವನ್ನು ಬರೆಯಿರಿ.

20) ಮಾಧವೀಲತೆ ಬಳ್ಳಿಯ ಶೋಧನೆಯಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳು ಹಾಗೂ ಲೇಖಕರ ಪಾತ್ರವನ್ನು ಬರೆಯಿರಿ.

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I Semester All UG Courses Examination, May/June 2022
(NEP)
COMPUTER SCIENCE (Open Elective)
OEC-1 : Office Automation

Time : 2½ Hours   Max. Marks : 60

Instruction : *Answer all the Sections.*

SECTION – A

I. Answer **any 6** questions, **each** question carries **2** marks.   (6×2=12)

   1) What is icons ?

   2) What is desktop ?

   3) What is computer virus ?

   4) What is MS-Word ?

   5) What is merging cells in MS-Word ?

   6) What is cell in MS-Excel ?

   7) List any two features of MS-Excel.

   8) List different types of slide show mode in PowerPoint.

   9) How to add picture in PowerPoint ?

SECTION – B

II. Answer **any 4** questions, **each** question carries **6** Marks.   (4×6=24)

   10) Explain features of Microsoft Windows.

   11) Write a note on formatting text in MS-Word.

   12) Write a note on different types of alignment in MS-Word.

   13) Explain any three built-in functions in Microsoft Excel ?

   14) Explain different types of charts in MS-Excel.

   15) Explain the various features of PowerPoint.

P.T.O.

SECTION – C

III. Answer **any 3** questions, **each** question carries **8** Marks. (3×8=24)

16) Write a note on : (4+4)

    i) Email

    ii) Windows application.

17) Explain the following concepts in MS-Word. (4+4)

    i) Open and Close

    ii) Find and Replace.

18) a) Explain the features of MS-Word. 4

    b) Write a note on creating table in MS-Word. 4

19) Explain the following concepts in MS-Excel. 8

    i) Cut

    ii) Copy

    iii) Paste

    iv) Save.

20) Explain how to create a presentation in MS-PowerPoint. 8

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I Semester All U.G. Courses Examination, May/June 2022
(NEP) (Open Elective)
COMPUTER SCIENCE
OEC – 2 : Web Designing

Time : 2½ Hours

Max. Marks : 60

SECTION – A

I. Answer **any 6** questions, **each** question carries **2** marks. (6×2=12)

1) Define Web browser.

2) Expand URL, DNS.

3) What is the use of <p> tag ?

4) What is <title> tag ?

5) What is the use of list tag ?

6) What is hyperlink ?

7) What is table ?

8) What is form ?

9) How to create radio buttons ?

SECTION – B

II. Answer **any 4** questions, **each** question carries **6** marks. (4×6=24)

10) Write a note on search engine.

11) Explain the features of HTML.

12) Explain the text formatting tags with an example.

P.T.O.

13) Explain about HTML links.

14) Write a note on <img> tag.

15) Create a simple registration form including text box, radio buttons, check box, submit and reset buttons.

SECTION – C

III. Answer **any 3** questions, **each** question carries **8** marks.   (3×8=24)

16) Write a note on static and dynamic websites.   8

17) a) Define web browser. Name any two web browser.   3

   b) Write a note on web server.   5

18) Explain the basic structure of HTML with suitable example.   8

19) Explain the ordered and definition list with suitable example.   8

20) Explain <table> tag with example.   8

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I Semester B.C.A. Examination, May/June 2022
(NEP Scheme)
MATHEMATICS
Mathematical Foundation

Time : 2½ Hours   Max. Marks : 60

Instruction : *Answer* **all** *the Sections.*

SECTION – A

Answer **any six** of the following questions.   (6×2=12)

1. Write the truth table for the proposition $\sim (p \wedge q)$.

2. Define proposition. Give an example.

3. If $A = \{1, 2, 3, 4\}$ and $B = \{3, 4, 5, 6\}$, find $A \cap B$ and $A \cup B$.

4. If $A = \{1, 2, 3\}$, $B = \{a, b, c, d\}$ and $R = \{(1, a), (1, c), (2, d), (2, c)\}$, find R^{-1} and Range of R.

5. If $A = \begin{bmatrix} 1 & 2 & 3 \\ 3 & 1 & 2 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & 0 & 1 \\ 1 & 1 & 0 \end{bmatrix}$, find $2A + B$.

6. Define square matrix. Give an example.

7. Find the value of $\begin{vmatrix} 1 & 6 & 7 \\ 2 & 3 & 0 \\ 0 & 1 & 4 \end{vmatrix}$.

8. If $y = 2x^3 - 9x^2 + 12x + 7$ then find $\dfrac{dy}{dx}$ and $\dfrac{d^2y}{dx^2}$.

9. Evaluate $\lim\limits_{x \to 0} \dfrac{\sin 3x}{x}$.

SECTION – B

Answer **any four** of the following questions.   (4×6=24)

10. Prove that $\left[p \to (q \wedge r) \right] \to (p \to q) \wedge (p \to r)$ is a tautology.

11. If $A = \{1, 4\}$, $B = \{2, 3, 6\}$, $C = \{2, 3, 7\}$. Show that $A \times (B - C) = (A \times B) - (A \times C)$.

P.T.O.

12. If $f : R \rightarrow R$ and $g : R \rightarrow R$ defined by $f(x) = x^2 + 3x + 1$, $g(x) = 2x - 3$ for all $x \in R$ find :

i) $f \circ g$

ii) $g \circ f$

iii) $g \circ g$.

13. Solve using Cramer's rule

$3x - 4y + 5z = -6$

$x + y - 2z = -1$

$2x + 3y + z = 5$.

14. Find the eigenvalues and eigenvectors of the matrix $A = \begin{bmatrix} 5 & 4 \\ 1 & 2 \end{bmatrix}$.

15. If $y = 5x^6 + 6x^5 + 4x^4 + 3x^2 + 2x + 1$ find $\dfrac{dy}{dx}$ and $\dfrac{d^2y}{dx^2}$ at $x = 2$ and $x = 3$.

SECTION – C

Answer **any three** of the following questions. (3×8=24)

16. a) Prove that $\sim (p \rightarrow q) \equiv p \wedge \sim q$.

b) Verify whether $(p \wedge \sim q) \wedge (\sim p \vee q)$ is a contradiction or not.

17. a) Show that the relation $R = \{(1, 2), (2, 1)\}$ defined on the set $A = \{1, 2, 3\}$ is symmetric but neither reflexive nor transitive.

b) Show that the function $f : R \rightarrow R$ given by $f(x) = 2x$ is one-one and onto.

18. a) Find the inverse of $A = \begin{bmatrix} 2 & 2 \\ 0 & 1 \end{bmatrix}$.

b) If $A = \begin{bmatrix} 2 & -1 \\ -1 & 2 \end{bmatrix}$, find A^3 using Cayley-Hamilton theorem.

19. a) Find the rank of the matrix $A = \begin{bmatrix} 1 & 2 & 3 & 2 \\ 2 & 3 & 5 & 1 \\ 1 & 3 & 4 & 5 \end{bmatrix}$ by reducing to the Echelon form.

b) Verify the Cayley-Hamilton theorem for the matrix $A = \begin{bmatrix} 3 & 1 \\ 1 & 4 \end{bmatrix}$.

20. a) Find the maximum value of the function $f(x) = 3x - x^2$.

b) Find the minimum value of the function $f(x) = 2x^2 - 3x + 1$.

I Semester B.C.A. Degree Examination, May/June 2022
(NEP Scheme)
COMPUTER APPLICATION
CAC02 : Programming in C

Time : 2½ Hours

Max. Marks : 60

Instruction : *Answer all the Sections.*

SECTION – A

I. Answer **any 6** questions, **each** question carries **2** marks. (6×2=12)

1) Mention any two features of C.

2) What is constants ? Give example.

3) What are increment and decrement operators ?

4) Differentiate between break and continue.

5) What is a two dimensional array ?

6) What is string ? Mention any two string handling functions.

7) What is pointer ? How it is declared ?

8) What is a function prototype ?

9) What is union ? Give its syntax.

SECTION – B

II. Answer **any 4** questions, **each** question carries **6** marks. (4×6=24)

10) Explain formatted input/output function in C.

11) Explain the fundamental data types supported by C.

12) Explain switch statement with syntax and example.

13) What is an array ? Explain memory representation of one dimensional array with example.

14) What are advantages and disadvantages of using pointers ?

15) Explain components of user defined functions.

P.T.O.

DCCA – 102

SECTION – C

16) a) Explain the structure of C Program with example.   6

     b) Mention character set in C.   2

17) Discuss any 4 types of operators supported by C language.   8

18) Explain any two looping statements with example.   8

19) Write a C program to perform addition and subtraction of two matrices.   8

20) a) Write a note on array of structure.   4

     b) Difference between structures and unions.   4

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I Semester B.Sc./B.C.A. Examination, May/June 2022
(NEP)
Paper – 1 : GENERIC ENGLISH (L2)

Time : 2½ Hours

Max. Marks : 60

Instructions : 1) Answer **all** questions.
2) Mention question numbers **correctly**.

SECTION – A

I. Read the passage and answer the following questions :   5

The victory of the small Greek democracy of Athens over the mighty Persian Empire in 490 B.C. is one of the most famous events in history. Darius, king of the Persian Empire, was furious because Athens had interceded for the other Greek city-states in revolt against Persian domination. In anger the king sent an enormous army to defeat Athens. He thought it would take drastic steps to pacify the rebellious part of the empire.

Persia was ruled by one man. In Athens, however, all citizens helped to rule. Ennobled by this participation, Athenians were prepared to die for their city-state. Perhaps this was the secret of the remarkable victory at Marathon, which freed them from Persian rule. On their way to Marathon, the Persians tried to fool some Greek city-states by claiming to have come in peace. The frightened citizens of Delos refused to believe this. Not wanting to abet the conquest of Greece, they fled from their city and did not return until the Persians had left. They were wise, for the Persians next conquered the city of Eritrea and captured its people.

Tiny Athens stood alone against Persia. The Athenian people went to their sanctuaries. There they prayed for deliverance. They asked their gods to expedite their victory. The Athenians refurbished their weapons and moved to the plain of Marathon, where their little band would meet the Persians. At the last moment, soldiers from Plataea reinforced the Athenian troops. The Athenian army attacked, and Greek citizens fought bravely. The power of the mighty Persians was offset by the love that the Athenians had for their city. Athenians defeated the Persians in both archery and hand combat. Greek soldiers seized Persian ships and burned them, and the Persians fled in terror. Herodotus, a famous historian, reports that 6,400 Persians died, compared to only 192 Athenians.
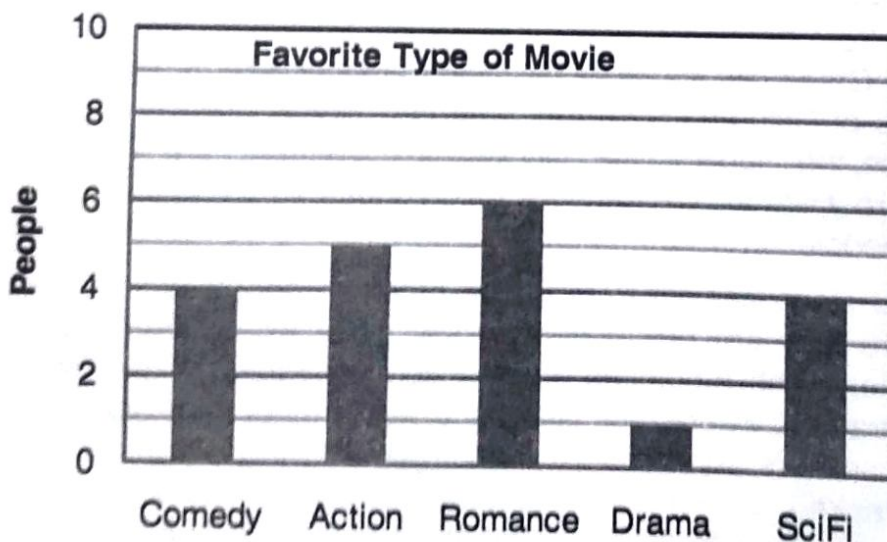
P.T.O.

1) When was the victory of the small Greek democracy of Athens over the mighty Persian Empire ?

2) Why did Darius take drastic steps ?

3) What did the Athenian pray for in the sanctuaries ?

4) Who is Herodotus ?

5) What motivated the Athenians to attack the Persians ?

II. Do as directed :

1) Arrange the following in MLA format.   2
   Title – Nampally Road
   Author – Meena Alexander
   Place – New Delhi
   Year – 1992

2) Create a brochure about your college cultural fest, events and competitions. 3

III. Read the graph and write a paragraph in about **100-150** words :   5

IV. Answer **any five** of the following questions :   5

1) What is comprehensive listening ?

2) Write any two differences between listening and hearing.

3) Mention the four language skills.

4) What is deep listening ?

5) Which are the two basic ways of communication ?

6) Critical listening requires listener to _____ , _____ and _____ on what he hears.

7) Describe the two types of listening.

V. Answer the following questions :

1) Define active listening and write any one objective of active listening. 2

2) Explain any 4 verbal signs of active listening. 2

3) What are the non verbal signs of active listening ? 1

VI. Do as directed :

1) Introduce your family members to your friend. 2

2) Fill in the blanks : 2

Prashanth: Hello sir, may I know on which platform the train to Delhi will arrive ?

Railway help desk: _____.

Prashanth : _____.

Railway help desk: The train will reach 40 minutes late today.

3) Write a line of request to the receptionist of a Hotel about the availability of room. 1

VII. Answer **any one** of the following questions : 3

Write instructions to make orange juice with the ingredients given below :

a) Orange

b) Water

c) Sugar

d) Ice cubes

OR

State the basic steps you will follow to draw money from an ATM.

VIII. Do as directed :

    1) Add suitable question tag to the following :   **2**

       a) She has done this marvellous work.

       b) You will vote for me.

    2) Frame a-Wh question to get the underlined word/phrase as answer :   **2**

       a) <u>River Nile</u> is the longest river in the world.

       b) We come to College at <u>9 a.m.</u> every day.

    3) Choose the correct form of verb and fill in the blanks :   **1**

      The student _____ (do/does) the projects excellently.

IX. Choose appropriate linkers and fill in the blanks :   **2**

    a) _____ it was raining, we went out for a drive.

    b) She is excellent in singing _____ in dancing.

(as well as, because, since, although)

SECTION – B
(Coursework)

X. Answer **any 5** of the following questions in **two** or **three** sentences :   **(2×5=10)**

    1) What does the poet demolish in the poem, 'I shall go Back in The New Year' ?

    2) Where does the poet wish to go in 'I shall go Back in The New Year' ?

    3) What are Aloo's first impressions of London in 'Leaving' ?

    4) How was Kalam's teacher Shivasubhramanya Iyer different from others ?

    5) When did Kalam confront the uncontrollable energy of nature ?

    6) Why was the man afraid to come down from the tree in the lesson, 'The Wolf' ?

    7) When is a woman insulted by the husband and the mother-in-law ?

XI. Answer **any two** of the following questions in a paragraph :   **(5×2=10)**

    1) 'I Shall Go Back in The New Year' expresses the speaker's desire to go back from civilization. Substantiate.

    2) The story 'Leaving' dwells on family relations and kinship. Elaborate.

    3) Comment on the harmony in Rameshwaram as told by Abdul Kalam.

    4) How does the author react to gaining freedom ?

_____

I Semester All UG Courses Degree Examination, May/June 2022
(NEP)
COMPUTER SCIENCE
SEC1 : Digital Fluency

Time : 1½ Hours   Max. Marks : 30

Instructions : 1) Answer **all** the Parts.
                 2) Questions are given **both** in **English** and **Kannada**.
                 3) Students can write either **completely** in **English** or
                     completely in **Kannada** Language.

PART – A
ಭಾಗ – ಎ

I. Answer **any 5** of the following. **Each** question carries **2** marks.   (5×2=10)

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ 5ಕ್ಕೆ ಉತ್ತರಿಸಿ. ಪ್ರತಿ ಪ್ರಶ್ನೆಯು 2 ಅಂಕಗಳನ್ನು ಹೊಂದಿರುತ್ತದೆ.

1) What is Artificial Intelligence ?

ಕೃತಕ ಬುದ್ಧಿಮತ್ತೆ (AI) ಎಂದರೇನು ?

2) Define data and database.

ಡೇಟಾ ಮತ್ತು ಡೇಟಾಬೇಸ್ ಅನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ.

3) What is IIOT ?

IIOT ಎಂದರೇನು ?

4) What is cloud computing ?

ಕ್ಲೌಡ್ ಕಂಪ್ಯೂಟಿಂಗ್ ಎಂದರೇನು ?

5) What is Cyber Security ?

ಸೈಬರ್ ಭದ್ರತೆ ಎಂದರೇನು ?

6) What is SaaS ?

SaaS ಎಂದರೇನು ?

7) What is an Online Learning Tool ? Give an example.

ಆನ್‌ಲೈನ್ ಕಲಿಕೆಯ ಸಾಧನ ಎಂದರೇನು ? ಒಂದು ಉದಾಹರಣೆ ಕೊಡಿ.

8) What is design thinking ?

ವಿನ್ಯಾಸ ಚಿಂತನೆ ಎಂದರೇನು ?

P.T.O.

PART – B
ಭಾಗ – ಬಿ

II. Answer **any 5** of the following. **Each** question carries **4 marks.** (5×4=20)

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ **5**ಕ್ಕೆ ಉತ್ತರಿಸಿ. ಪ್ರತಿ ಪ್ರಶ್ನೆಯು **4** ಅಂಕಗಳನ್ನು ಹೊಂದಿರುತ್ತದೆ.

9) Explain any two applications of Artificial Intelligence.

ಕೃತಕ ಬುದ್ಧಿಮತ್ತೆಯ ಯಾವುದಾದರೂ ಎರಡು ಅನ್ವಯಗಳನ್ನು ವಿವರಿಸಿ.

10) Write a note on Big Data Analytics.

ಬಿಗ್ ಡೇಟಾ ಅನಾಲಿಟಿಕ್ಸ್ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

11) Explain the applications of IoT.

IoTಯ ಅನ್ವಯಗಳನ್ನು ವಿವರಿಸಿ.

12) Explain any two types of cloud computing.

ಯಾವುದೇ ಎರಡು ರೀತಿಯ ಕ್ಲೌಡ್ ಕಂಪ್ಯೂಟಿಂಗ್ ಅನ್ನು ವಿವರಿಸಿ.

13) Explain any two types of cyber attacks.

ಯಾವುದೇ ಎರಡು ರೀತಿಯ ಸೈಬರ್ ದಾಳಿಗಳನ್ನು ವಿವರಿಸಿ.

14) Explain the steps for improving the communication skills.

ಸಂವಹನ ಕೌಶಲ್ಯಗಳನ್ನು ಸುಧಾರಿಸುವ ಹಂತಗಳನ್ನು ವಿವರಿಸಿ.

15) Write a note on creative problem solving.

ಸೃಜನಾತ್ಮಕ ಸಮಸ್ಯೆ ಪರಿಹಾರದ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

16) Explain the benefits of Collaboration and Teamwork.

ಸಹಯೋಗ ಮತ್ತು ಟೀಮ್‌ವರ್ಕ್‌ನ ಪ್ರಯೋಜನಗಳನ್ನು ವಿವರಿಸಿ.

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AECC – 4.5

I Semester B.C.A./B.Sc.(FAD) Examination, May/June 2022
(NEP Scheme)
HINDI LANGUAGE
Paper – I : Niband Karyalay Hindi Aur Sankshepan

Time : 2½ Hours   Max. Marks : 60

I. निम्नलिखित प्रश्नों का **एक** शब्द या वाक्य में उत्तर लिखिए।   (10×1=10)

1) 'शेप ऑफ थिंग्स टू कम ' पुस्तक के लेखक का नाम लिखिए ।

2) इटली के प्रसिद्ध निर्वासित देश भक्त का नाम क्या है ?

3) वैशाली नगरी हजारों वर्ष के नर–नारियों की कैसी कथा सुनाती है ?

4) प्रेमचन्द ने घटना प्रधान कथा के स्थान पर किस प्रधान कथा की सृष्टि की है ?

5) साहित्यकार बहुधा किससे प्रभावित होता है ?

6) आलोपी की माँ क्या काम करती थी ?

7) दुकान के नौकर का नाम क्या रख देना चाहिए ?

8) 'लार्ड कार्नवालिस' को दूसरी बार किस साल में गवर्नर जनरल बनाया गया ?

9) गवर्नर जनरल की उम्र क्या है ?

10) जीवन का घन घोर विनाश किसमें है ?

II. किन्हीं **दो** का सप्रसंग व्याख्या कीजिए।   (2×7=14)

1) ' आज की शानदार मुलाकात से बहुत आनन्द और इस क्षणों की याद बहुत दिनों तक जीवन को गुद्गुदाते रहेगी।'

2) ' तुम हृदय के भी अन्धे हो, ऐसी अन्धेरी गलियों में प्राण देकर कुद्द स्वर्ग नहीं पहुँच जाओगे।'

3) 'मुझे लगा दरवाजे पर फिर दस्तक हुई। मैने पूछा– कौन ?' जबाब आया– मैं बसन्त! मैं खीझ उठा " कह दिया कि फिर आना।"

P.T.O.

III. किसी **एक** प्रश्न का उत्तर लिखिए।   (1×16=16)

'जीवन में साहित्य का स्थान' निबन्ध का सारांश लिखिए एवं साहित्य की विशेषताओं पर प्रकाश डालिए।

अथवा

'आनन्द के क्षण' पाठ के आधार पर जीवन में आनन्द के क्षण के महत्व पर प्रकाश डालिए।

IV. **एक** पर टिप्पणी लिखिए।   (1×5=5)

1) आलोपी

2) बुद्धदेव।

V. किसी **दो** प्रश्नों का उत्तर लिखिए।   (2×4=8)

1) टिप्पण लेखन किसे कहते हैं तथा कितने प्रकार के होते हैं ?

2) प्रतिवेदन कितने प्रकार के होते हैं ? सविस्तार लिखिए।

3) आलेखन की परिभाषा देते हुए उसकी विशेषताओं पर प्रकाश डालिए।

VI. निम्नलिखित गद्यांश का उचित शीर्षक देते हुए **एक तिहाई** शब्दों में संक्षेपण कीजिए।   (1×7=7)

परिश्रम और निरन्तर अभ्यास से कठिन समझे जाने वाले कार्य भी सुगम हो जाया करते हैं। ज्ञान, भाव और कर्म से सम्बन्धित सभी क्षेत्रों में इसका चमत्कार देखा जा सकता है, नियमित अभ्यास वज्र से वज्र मूर्ख को भी चतुर बना देता है। प्यार की अधिकता और नि:स्वार्थकता भयंकर से भयंकर और दुष्ट से दुष्ट व्यक्ति को भी अपना बना लेती है। पापी से पापी भी ईश्वर की कृपा का भागीदार बन जाता है। बट्टे की रगड़ से पत्थर की सिल भी चिकनी हो जाती है।

I Semester B.C.A. Examination, May/June 2022
(NEP) (Semester Scheme)
COMPUTER SCIENCE
CAC03(b) : Accountancy

Time : 2½ Hours   Max. Marks : 60

Instruction : *Answer **all** the Sections.*

SECTION – A

Answer **any six** of the following, **each** question carries **2 marks** :   (6×2=12)

1. What do you mean by Book Keeping ?

2. Define Accounting.

3. State any two merits of accounting.

4. What do you mean by accounting principles ?

5. Give the meaning of Accounting Standards.

6. What do you mean by Purchase book ?

7. Explain the meaning of Bank Reconciliation Statement.

8. What do you mean by Bills for collection ?

9. Give the meaning of Final Account.

SECTION – B

Answer **any four** of the following, **each** question carries **6 marks** :   (4×6=24)

10. Explain the demerits of Accounting.

11. Briefly explain the accounting conventions.

P.T.O.

12. Journalise the following transactions in the books of Mr. Ujwal.

Date	Information
1-4-2021	Started business with Rs. 2,00,000 in cash
2-4-2021	Bought office furniture for cash Rs. 20,000
3-4-2021	Bought machinery on credit from Globe traders Rs. 30,000
4-4-2021	Purchased goods from Bharath Traders Rs. 1,00,000
5-4-2021	Sold goods for cash Rs. 2,00,000
6-4-2021	Sold goods to Babu Rs. 75,000
7-4-2021	Received the amount due from Mr. Babu Rs. 75,000
8-4-2021	Paid the amount due to Bharath Traders Rs. 1,00,000
9-4-2021	Received interest on investment Rs. 8,000
10-4-2021	Received service charges Rs. 5,000
11-4-2021	Paid general expenses Rs. 5,000
12-4-2021	Received dividend on shares Rs. 6,000

13. Prepare Trial Balance from the following balances for the year ending 31st December 2021.

Particulars	Amount (Rs.)
Capital	28,000
Stock of goods	4,000
Motor car	8,000
Discount received	400
Bad debts	400
Sales	40,000
Cash at bank	4,000
Return inwards	2,000
Cash in hand	600
Rent	3,500
Discount allowed	300
Carriage	1,500
Purchases	15,000
Plant	15,000
Furniture	5,000
Wages	8,200
Creditors	6,500
Salaries	2,800
Commission received	600
Returns outwards	1,000
Debtors	5,600
General expenses	300
Interest received	200
Advertisement	500

14. From the following particulars of Avinash and Co. prepare a Bank Reconciliation Statement on December 31st 2021.

Particulars	Amount (Rs.)
Overdraft as per passbook	20,000
Interest on overdraft	2,000
Insurance Premium paid by the bank	200
Cheque issued but not presented for payment	6,500
Cheque deposited but not yet cleared	6,000
Wrongly debited by the bank	500

15. Distinguish between Bill of Exchange and Promissory Note.

SECTION – C

Answer **any three** of the following, **each** question carries **8** marks : (3×8=24)

16. From the following trial balance of Rajan, prepare trading and profit and loss account for the year ended 31st December 2021 and the balance sheet as on that date after taking into account the adjustments given below :

Trial balance as on 31st December 2021

Particulars	Debit (Rs.)	Credit (Rs.)
Rajan's capital	–	29,000
Rajan's drawing	760	–
Purchases and sales	8,900	15,000
Sales returns and purchases returns	280	450
Stock on 1-1-2021	1,200	–
Wages	800	–
Building	22,000	–
Freight and Carriage	2,000	–
Trade expenses	200	–
Advertisement	240	–
Interest received	–	350
Tax and insurance	130	–
Debtors and creditors	6,500	1,200
Bills receivable and Bills payable	1,500	700
Cash at bank	1,200	–
Cash in hand	190	–
Salaries	800	–
Total	**46,700**	**46,700**

Adjustments :

a) Stock on 31st December 2021 was valued at Rs. 1,500

b) Insurance was prepaid to the extent of Rs. 40

c) Outstanding liabilities were: salaries Rs. 200, Taxes Rs. 130

d) Depreciate building at 2% per annum.

17. From the following particulars, prepare a Bank Reconciliation Statement as on 31st March 2021.

a) Debit balance as per cash book is Rs. 10,000.

b) A cheque for Rs. 1,000 deposited but not recorded in the cash book.

c) A cash deposit of Rs. 200 was recorded in the cash book as if there is no bank, column therein.

d) A cheque issued for Rs. 250 was recorded as Rs. 205 in the cash column.

e) The debit balance of Rs. 1,500 as on the previous day was brought forward as a credit balance.

f) The payment side of the cash book was under cast by Rs. 100

g) A cash discount allowed of Rs. 112 was recorded as Rs. 121 in the bank column.

h) A cheque of Rs. 500 received from a debtor was recorded in the cash book but not deposited in the bank for collection.

i) One outgoing cheque of Rs. 300 was recorded twice in the cash book.

j) Error in carrying forward Rs. 3,000

18. Rectify the following Errors :
Credit purchases from Raghu Rs. 20,000.

a) Were not recorded.

b) Were recorded as Rs. 10,000.

c) Were recorded as Rs. 25,000.

d) Were not posted to his account.

e) Were posted to his account as Rs. 2,000.

f) Were posted to Ramesh's account.

g) Were posted to the debit of Raghu's account.

h) Were posted to the debit of Ramesh.

i) Were recorded through sales book.

19. Explain briefly Accounting Concepts.

20. Explain any ten basic terms of Accounting.

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