



Sl. No.

**B.A./B.Com./B.Sc./B.Sc.(GMT)/B.C.A./B.B.A./B.B.M./B.S.W./  
I.M.B.A./B.H.M. II Semester Degree Examination, Sept./Oct. - 2024**

**ENGLISH**

**Basic English**

**(NEP)**

Time : 2 Hours

Maximum Marks : 60

**SECTION - A**

1. Answer the following questions. Each question carries **one** mark. **10x1=10**
- (a) Who is the poet of the poem 'No Men Are Foreign' ?
  - (b) Where do you think is the ghot located ?
  - (c) When was "A Tryst With Destiny" speech delivered ?
  - (d) When did Vivekananda begin his journey ?
  - (e) Add an appropriate suffix to the word 'significance'.
  - (f) Choose the correct form of the verb that agrees with the subject.  
Fun and joy are an important part of our family \_\_\_\_\_. (lives/leaves)
  - (g) Change the following sentence into passive voice.  
John has killed a Snake.
  - (h) Change the following sentence into Indirect speech.  
He said, "I am fine".
  - (i) Complete the following dialogue :  
Teacher : How long does it take to reach school ?  
Student : \_\_\_\_\_ (Response to the teacher)
  - (j) Choose the word that agrees with the subject in the following.  
A large sum of money \_\_\_\_\_ (was/were) stolen.

**SECTION - B**

- Answer **any four** of the following questions. Each question carries **five** marks. **4x5=20**
- 2. What is the central message of the speech Tryst With Destiny ?
  - 3. What does the Flea Symbolize in John Donne's poem "The Flea" ?



**P.T.O.**

4. Read the following sentences and choose the correct spelling from the given options.
- (a) Joe's favourite lesson was \_\_\_\_\_ (phiscial/physical) education.
  - (b) The \_\_\_\_\_ (Government/goverment) building was magnificent.
  - (c) The class practised some \_\_\_\_\_ (rhyming/ryming) words.
  - (d) Rama would \_\_\_\_\_ (Sacrifise/Sacrifice) any thing for her sister.
5. How does Romain Rolland view Vivekananda ?
6. Change the following dialogue into reported speech.
- Leela : Who's your favorite star ?  
Latika : Among female actors, I like Kangana.  
Leela : What is so great about her ?  
Latika : She is a talented actress.  
Leela : Who is your favorite among the male actors ?
7. Write a dialogue between the father and the son about studies.

### SECTION - C

Answer **any three** of the following questions. Each question carries **ten** marks. **3x10=30**

8. James Kirkup's poem 'No men are foreign' Explains the poet's use of the word uniform. Discuss.
9. Why does the writer state that modern technology does not enrich man but empties him ? Elaborate.
10. Do as directed :
- (a) Choose a word that agrees with the subject in the following sentences.
    - (i) One of my sisters \_\_\_\_\_ (is/are) going on a trip to USA.
    - (ii) The man with all the birds \_\_\_\_\_ (lives/live) on my street.
    - (iii) Rambo \_\_\_\_\_ (don't/doesn't) know the answer.
    - (iv) The players as well as the captain \_\_\_\_\_ (want/wants) to win.
  - (b) Add appropriate Suffix to the word.
    - (i) Relation            (ii) fellow            (iii) prevent
  - (c) Use the following words in your own sentences.
    - (i) knowledge        (ii) activities        (iii) practical



11. (i) Write a report to the editor of English Newspaper 'The Times of India' about your Freshers day celebrations.
- (ii) Change the following sentences into passive voice.
- (a) He hit the ball
  - (b) Someone knocked on the door.
  - (c) They teach grammar in School.
  - (d) John killed the Snake.
12. Pick one of the following subjects and write a speech on it.
- (i) Computer Literacy
  - (ii) Use of Social Media
  - (iii) Independence day

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- (a) He hit the ball
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12. Pick one of the following subjects and write a speech on it.
- (i) Computer Literacy
  - (ii) Use of Social Media
  - (iii) Independence day

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**BCA II Semester Degree Examination, Sept./Oct. - 2024**

**COMPUTER SCIENCE**

**DSC-4 : Data Structure Using C**

**(NEP)**

Time : 2 Hours

Maximum Marks : 60

**SECTION - A**

Answer **all** sub-questions. Each sub-question carries **1** mark.

**10x1=10**

1. (a) Define Data structure.
- (b) What is Recursion ?
- (c) Mention different types of an array.
- (d) What is Searching ?
- (e) Define singly linked list.
- (f) Write the structure of a node in Doubly linked list.
- (g) Define Stack.
- (h) Name any two different types of queues.
- (i) Define binary tree.
- (j) What is root node ?

**SECTION - B**

Answer **any four** questions. Each question carries **5** marks.

**4x5=20**

2. Explain dynamic memory allocation functions with syntax.
3. Explain representation of linear array in memory.
4. Write an algorithm to insert a node in singly linked list.
5. Explain evaluation of postfix expression with an example.
6. Explain strict and complete binary tree.
7. Write a C program to sort elements in an array using selection sort.

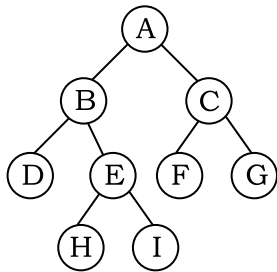


## SECTION - C

Answer **any three** questions. Each question carries **10** marks.

**3x10=30**

8. Explain types of data structures.
9. Write an algorithm of binary search with an example.
10. Write a note on various types of linked list with an example.
11. Explain PUSH and POP Operations in stack.
12. With traversing steps write pre-order, in-order and post-order traversal for the following binary tree.



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**B.C.A. II Semester Degree Examination, Sept./Oct. - 2024**

**COMPUTER SCIENCE**

**DSC 5 : Discrete Mathematical Structures**

**(NEP)**

Time : 2 Hours

Maximum Marks : 60

**SECTION - A**

Answer the following sub-questions. Each sub-question carries **one** mark. **10x1=10**

1. (a) Define conjunction.
- (b) If  $f(x) = x^2$  and  $g(x) = 2x$  find  $f \circ g(2)$ .
- (c) State Demorgan's law of set theory.
- (d) Define Recurrence Relation.
- (e) Find  ${}^6C_2$ .
- (f) Define symmetric relation.
- (g) Define relation.
- (h) Draw (5, 4) graph.
- (i) What is chromatic number ?
- (j) Define simple graph.

**SECTION - B**

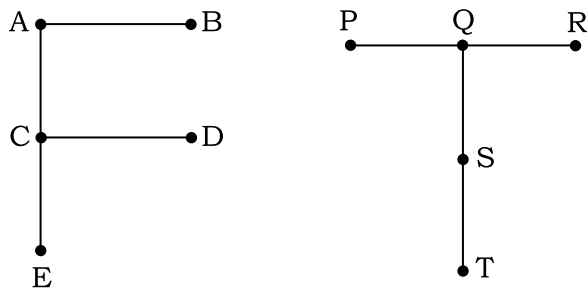
Answer **any four** from the following questions.

**4x5=20**

2. Write the converse, inverse and contrapositive for the following compound proposition.  
If it is hot then I will take cold drinks.
3. If  $U = \{a, b, c, d, e, f, g\}$   
 $A = \{a, b\}$   $B = \{c, d, e\}$   $C = \{e, f, g\}$   
Find (i)  $A \cap B$   
(ii)  $B' \cup C'$   
(iii)  $\overline{A \cup B}$   
(iv)  $(A \cap B) \cap C$   
(v)  $|A|$



4. A team of four has to be selected from 6 boys and 4 girls. How many different ways a team can be selected if at least one boy must be there in the team ?
5. A Relation R in set {1, 2, 3} is defined as  
 $R = \{(1, 1) (2, 2) (3, 3) (1, 2) (2, 3) (1, 3)\}$   
 Check R is reflexive, symmetric, transitive.
6. Show that the following two graphs are isomorphic.



7. Define graph. Explain different types of graph.

**SECTION - C**

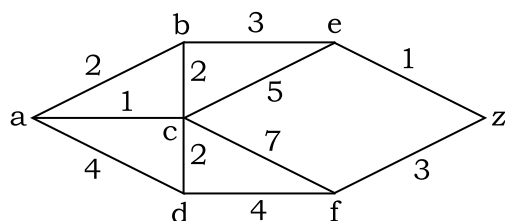
Answer **any three** from the following questions.

**3x10=30**

8. (a) Prove that  $p \vee (q \wedge r) \equiv (p \vee q) \wedge (p \vee r)$   
 (b) Define quantifiers. List and explain its types.
9. Find the co-efficient of  $x^6y^3$  in the expansion of  $(x+2y)^9$ .
10. Prove that

$$1.3 + 2.4 + \dots + n(n+2) = \frac{1}{6} n(n+1)(2n+7)$$

11. Find the shortest distance and shortest path from 'a' to 'z' in the given weighted graph.



12. (a) Out of 250 candidates who failed in examination, it was revealed that 128 failed in Maths, 87 in Physics and 134 in Chemistry, 31 failed in Maths and Physics, 54 failed in Chemistry and Maths, 30 failed in Chemistry and Physics. Find how many candidates failed.
- In all the three subjects.
  - In Maths but not in Physics.
- (b) If  $A = \{1, 2, 3, 4\}$ , R and S are two relations defined on a set A. defined by  
 $R = \{(1, 2) (3, 4) (2, 2)\}$   
 $S = \{(4, 2) (2, 5) (3, 1) (1, 3)\}$   
Find ROS, SOR, RO(SOR), ROR and SOS.

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**B.A./BSW/BCA/GMT/B.Com./BBA/BHM/B.Sc./B.C.A. II**  
**Semester Degree Examination, Sept./Oct. - 2024**

**HINDI AECC**

**II - Study of Indian Language**

Time : 2 Hours

Maximum Marks : 60

**नोट :** लिखावट शुद्ध और देवनागरी लिपि में हो।  
पाठ्यक्रम - (1) गद्य सखा (2) संप्रेषण और पत्र

- I. किन्हीं दस प्रश्नों को चुनकर उत्तर लिखिए :** **10x1=10**
1. भाभी रेखाचित्र की रचयिता का नाम बताईए।
  2. आइने के सामने, गद्य को किसने लिखा है?
  3. बनवीर किस एकांकी का पात्र है?
  4. आइने के सामने, पाठ का रचनाकार कौन है?
  5. प्रेमचंदजी की प्रसिद्ध दो कहानियों के नाम बनाईए।
  6. अनुवादक के दो अच्छे गुण बताइये।
  7. महादेवी वर्मा खिलौने लेकर खेलने को किसके घर जाती थी?
  8. टार्च बेचने वाला, कहानी के लेखक का नाम बताईये।
  9. सखाराम गुरुजी के दो अच्छे गुण बताईए।
  10. दिल्ली में किस सेठ की शवयात्रा निकली थी?
  11. दीपदान एकांकी के रचयिता कौन है?



II. किन्हीं दो के संदर्भ के साथ व्याख्या कीजिए :

2x5=10

1. भाभी के लिए काला अक्षर भैंस बराबर था, इसलिए उस पर मेरी विद्वता की धाक भी सहज ही जम गई थी।
2. यार - क्या मुसीबत है, आज कोई आयरन करनेवाला भी नहीं आया, जरा अपना आयरन देना।
3. "अरे दीदी मिठाई तो मैं अपने प्यारे जीजाजी के लिए ले रहा हूँ जिनकी तोंद ससुराल की मिठाई के अभाव में दुबली हो रही है।"

III. किन्हीं दो प्रश्नों के उत्तर लिखिए :

2x5=10

1. टार्च बेचने वाले, गद्य में निहित व्यंग्य पर प्रकाश डालिए।
2. अनुवाद किसे कहते हैं? अनुवादक के प्रमुख गुणों पर विस्तार से लिखिए।
3. दीपदान एकांकी का सारांश अपने वाक्यों में लिखिए।

IV. किन्हीं तीन प्रश्नों का उत्तर विस्तार से लिखिए :

3x10=30

1. भाभी रेखाचित्र में चित्रित नारी समस्या पर प्रकाश डालिए।
2. 'सखा' गद्य का सारांश अपने वाक्य में लिखिए।
3. 'समस्या' कहानी को तथ्यों के आधार पर आलोचना कीजिए।
4. 'आइने के सामने' कहानी के माध्यम से अमृता प्रीयतम हमें क्या संदेश देना चाहती है?

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**B.C.A. II Semester Degree Examination, Sept./Oct. - 2024**

**COMPUTER SCIENCE**

**DSC3 : Object Oriented Concepts using Java**

**(NEP)**

Time : 2 Hours

Maximum Marks : 60

**SECTION - A**

**I.** Answer the following sub-questions, each sub-question carries **one** mark. **10x1=10**

1. (a) What was the initial name of Java ?
- (b) Expand JDK and JVM.
- (c) Define Object.
- (d) What is the use of finalizer() method in Java ?
- (e) Which keyword is used to do Inheritance ?
- (f) Define Dynamic binding.
- (g) Expand AWT.
- (h) What is an event ?
- (i) What is an exception ?
- (j) Define thread.

**SECTION - B**

**II.** Answer **any four** of the following questions, each question carries **five** marks. **4x5=20**

2. Write the structure of Java Program.
3. What is Constructor ? Write the characteristics of Constructor.
4. Explain method overriding with an example.
5. Write a Java program to draw several shapes in the created window.
6. Explain try and catch block in exception handling.
7. Explain visibility modifiers.



**SECTION - C**

**III.** Answer **any three** of the following questions, each question carries **ten** marks.

**3x10=30**

8. Explain features of Java.
9. Write a note on constructor overloading with an example.
10. What is Inheritance ? Explain different types of Inheritance with an example.
11. Explain different types of GUI components.
12. With a neat diagram, explain life cycle of thread.

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**B.A./B.S.W./B.Sc./B.C.A./G.M.T./B.Com./B.B.A./B.H.M.**  
**II Semester Degree Examination, Sept./Oct. - 2024**

**ಸಾಮಾನ್ಯ ಕನ್ನಡ - II**  
**ವಿಜ್ಞಾನ ವಿಜಯ - 2 ಭಾಷಾ ಪಠ್ಯ**  
**(NEP)**

Time : 2 Hours

Maximum Marks : 60

**ಸೂಚನೆ :** ಭಾಷೆ ಮತ್ತು ಬರಹದ ಶುದ್ಧಿಗೆ ಗಮನ ಕೊಡಲಾಗುವುದು.

**ವಿಭಾಗ - ಎ**

1. ಈ ಕೆಳಗಿನ ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ. **10x1=10**
- (a) ಪಂಪನ ಕೃತಿಗಳನ್ನು ಹೆಸರಿಸಿರಿ.
- (b) "ತಿರುಕನ ಕನಸು" ತತ್ವಪದವನ್ನು ಬರೆದವರು ಯಾರು ?
- (c) ಗಾಂಗೇಯ ಎಂದರೆ ಯಾರು ?
- (d) ಹರಿಶ್ಚಂದ್ರನ ಹೆಂಡತಿಯ ಹೆಸರೇನು ?
- (e) ನ್ಯಾನೋ ಎಂಬುದು ಯಾವ ಭಾಷೆಯ ಪದ ?
- (f) ಪುರಂದರದಾಸರು ಎಂತಹ ಕಲ್ಪ ಸಕ್ಕರೆಯನ್ನು ಕೊಳ್ಳಬೇಕೆಂದು ಹೇಳುತ್ತಾರೆ ?
- (g) ಉತ್ತರ ದೇವಿಯ ಹಾಡು ಜಾನಪದ ಸಾಹಿತ್ಯದ ಯಾವ ಪ್ರಕಾರದಲ್ಲಿದೆ ?
- (h) ವೈಚಾರಿಕತೆ ಲೇಖನದ ಕರ್ತೃ ಯಾರು ?
- (i) 'ಸಂಶೋಧನೆ' ಎಂಬುದರ ಮೂಲ ಸಂವಾದಿ ಇಂಗ್ಲೀಷನ ಪದ ಯಾವುದು ?
- (j) ಕಾವ್ಯದ ಯಾವುದಾದರೂ ಎರಡು ಪ್ರಯೋಜನಗಳನ್ನು ತಿಳಿಸಿ.

**ವಿಭಾಗ - ಬಿ**

- ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ. **4x5=20**
2. 'ಬದುಕು ಭಗವಂತ ನಮಗಿತ್ತ ಬಹುದೊಡ್ಡ ಬಳುವಳಿ' ಕನನಲ್ಲದ ಬದುಕೊಂದು ಬದುಕೆ ? ಲೇಖನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಚರ್ಚಿಸಿರಿ.
3. ಭಾರತೀಯ ಸಮಾಜದಲ್ಲಿ ಹೆಣ್ಣನ್ನು ವ್ಯಕ್ತಿಯೆಂದು ಪರಿಗಣಿಸಿದ ಉದಾಹರಣೆಗಳಿಲ್ಲ, ಪುರಾಣ ಘಟನೆಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಚರ್ಚಿಸಿರಿ.



4. ಭಾಷಾ ಕಲಿಕೆಯ ಅವಶ್ಯಕತೆಯನ್ನು ತಿಳಿಸಿ.
5. ವಿಮರ್ಶಕನ ಹೊಣೆಗಾರಿಕೆಯನ್ನು ವಿವರಿಸಿ.
6. ಆದಿ ಕವಿ ಪಂಪನ ಕುರಿತು ಬರೆಯಿರಿ.
7. ಬಸವೇಶ್ವರನ ವ್ಯಕ್ತಿತ್ವವನ್ನು “ಬುದ್ಧ ಬಸವ” ಲೇಖನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಚರ್ಚಿಸಿರಿ.

**ವಿಭಾಗ - ಸಿ**

ಈ ಕೆಳಗಿನವುಗಳಲ್ಲಿ ಯಾವುದಾದರೂ ಮೂರು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

**3x10=30**

8. ಕಾವ್ಯ ಪ್ರಯೋಜನೆ ಮತ್ತು ಕವಿತೆಯ ಪರಿಕರಗಳನ್ನು ವಿವರಿಸಿರಿ.
9. ಬುದ್ಧ ಮತ್ತು ಬಸವರ ನಡುವಿನ ಸಾಮ್ಯತೆ ಮತ್ತು ಭಿನ್ನತೆಗಳ ಕುರಿತು ಚರ್ಚಿಸಿ.
10. ತಿರುಕನ ಕನಸು ತತ್ವಪದದ ಅಂತರಾರ್ಥವನ್ನು ವಿವರಿಸಿರಿ.
11. ಗಂಡ-ಹೆಂಡಿರ ಜಗಳ ಗಂಧ ತೀಡಿದ ಹಾಗೆ ಇರಬೇಕು. ತ್ರಿಪದಿಯ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ.
12. “ಮಳೆಗರೆಯಿತು ಬಾನು ಹಸುರಾಯಿತು ಮನ” ಕತೆಯ ಆಶಯವನ್ನು ವಿವರಿಸಿ.

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