



SCAEN-101

I Semester B.C.A. Degree Examination, December/January - 2025/26  
(SEP Scheme Freshers and Repeaters)

ENGLISH  
LANGUAGE - I (Resonance- 1)

Time : 3 Hours

Maximum Marks : 80

**Instructions:**

- 1) Read all the instructions carefully and answer the questions.
- 2) Write the question numbers correctly.

**SECTION - A**

(Literary Components - 40 Marks)

I. Answer any Five questions from the following in one or two sentences.

(5×2=10)

1. Shakespeare compares his friend to \_\_\_\_\_.
2. Why did the peasants buzz the name of god a hundred times in the poem Night of the Scorpion?
3. Who is Vera? What was her specialty?
4. Olga chops wood for Lushkov. (True/False)
5. What was the primary cause for Bangalore's environmental degradation?
6. How many crew members did the Columbia carry?
7. Kalpana Chawla was recognized as a Space Scientist by:
  - a) NASA
  - b) NAZI
  - c) USSA
  - d) ISSRO

[P.T.O.]



II. Answer any Four of the following in about a page each.

(4×5=20)

1. How does Shakespeare convey the beauty of his beloved in the 'Sonnet XVIII'?
2. Comment on how the poem 'The Night of the Scorpion' illustrates the Indian rural cultural and ritual customs?
3. Name the incident of Mrs. Sappleton's husband and brother as told by Vera in 'The Open Window'?
4. Describe the character Olga in the story 'The Beggar'.
5. Illustrate the challenges that Bangalore, as the IT Capital, faced.
6. Describe Kalpana Chawla as a role model for women around the world.

III. Answer any One of the following in about a page each.

(1×10=10)

1. The Night of the Scorpion is not merely a disruption of a powerful incident but a reflection on human nature comment.
2. Discuss how 'When Cities were in Nature's Heaven' contribute to the urbanization and environmental sustainability.
3. Narrate the journey of Kalpana Chawla's childhood to becoming an astronaut.

### SECTION - B

(Grammar) (40 Marks)

IV. A. Answer any Three of the following.

(3×1=3)

1. What are the two types of listening?
2. While listening it is important to keep emotions in control. True/false
3. Name any two steps of the listening process.
4. Give any two examples of non-verbal cues.

(A×5=20)  
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**B. Answer any Two of the following. (2×2=4)**

1. Write a telephone conversation between Mr. Raghu the Manager of MG Motors and Mr. Ramesh the customer about buying a new car.
2. Read the given telephone conversation and organize the message in the format given below:

Caller : Hello ! This is Mera calling from Apollo Hospital. May I speak to Mr. Chandrababu?

Receiver : Hello, Mr. Chandrababu is out of town. Would you like to leave a message for him?

Caller : Yes! I would appreciate if you remind his appointment today by 7 p.m. and call me to 8899334466.

Receiver : Sure

Caller : Thank you

Message for .....

Message from .....

Subject .....

Call on .....

3. Write a telephone conversation between a student and a teacher about leave permission.

**C. Do as directed. (6×1=6)**

1. Write a formal expression while greeting your principal at a function.
2. As a fresher, introduce yourself at an interview you attended at Apple iPhone Company.
3. Write an informal request to your friend asking him to join you at the dinner party.



4. Rewrite the following sentence asking permission by an employee suffering from stomach pain at the work. 'I want to take a day off from work'.
5. Rewrite the sentence in a formal way of granting permission 'attend the next meeting without fail'.
6. What expressions would you use to grant help for an old person climbing the steps?

**D. 1. Read the passage and identify the topic sentence: (2×1=2)**

Technology has changed the way people communicate. In the past, letters and phone calls were the main means of staying in touch. Today, instant messaging, video calls, and social media allow people to connect across the world within seconds. This rapid exchange of information has made communication faster, easier and more accessible than ever before.

**2. Read the passage and answer the questions. (5×1=5)**

Living a healthy lifestyle is one of the most important choices a person can make. Good health allows people to live longer, feel better, and do the things they love. A healthy lifestyle is not just about eating the right food - it also includes regular exercise, enough sleep, and a positive attitude towards life. Healthy eating is the first step towards a better life. Our bodies need different nutrients such as vitamins, minerals, proteins, and carbohydrates to work properly. Eating a balanced diet that includes fruits, vegetables, grains, and proteins gives the body the energy it needs to stay active. Avoiding junk food, sugary drinks, and too much fried food helps prevent obesity and diseases like diabetes and heart problems. Drinking enough water every day is also very important for staying healthy. Another key part of a healthy lifestyle is regular exercise. Physical activity helps strengthen muscles, improve blood circulation, and keep the heart strong. It also helps maintain a healthy weight and reduces stress. Exercise does not always mean going to the gym; it can be as simple as walking, cycling, dancing, or playing a sport. Doing at least 30 minutes of physical activity every day can make a big difference in overall health.

Sleep is often overlooked, but it is just as important as food and exercise. When we sleep, our bodies rest, recover, and prepare for the next day. Adults need about seven to eight hours of sleep each night, while children need even more. Lack of sleep can lead to tiredness, poor



concentration, and weak immunity. Having a fixed bedtime routine helps improve the quality of sleep and keeps the mind fresh. In addition to physical health, mental health is equally important. Stress, worry and negative thinking can affect both the mind and body. Practicing relaxation techniques like deep breathing, meditation, or yoga can help reduce stress. Spending time with family and friends, pursuing hobbies, and taking short breaks also support mental well-being. A positive attitude helps people handle challenges better and stay motivated. Avoiding harmful habits is another important part of a healthy lifestyle. Smoking, drinking alcohol, or using drugs can damage the body and shorten life expectancy. It is always better to choose habits that build health rather than destroy it. Taking care of one's body is an act of self-respect and responsibility.

Finally, it is important to balance all aspects of life-work, rest, and leisure. Too much work can cause stress, while too much rest can lead to laziness. A balanced life helps people stay active, happy, and peaceful. Making small but consistent efforts towards healthy living can bring lifelong benefits. In conclusion, a healthy lifestyle is the foundation of happiness and success. By eating nutritious food, exercising regularly, sleeping well, and thinking positively, anyone can improve their quality of life. Good health is not something money can buy, but something we build through daily habits and self-care.

- 1) Name the main parts of a healthy lifestyle mentioned in the passage.
- 2) \_\_\_\_\_ is the first step towards a better life.
- 3) Name two relaxation techniques.
- 4) Mention any two ways to take care of mental health?
- 5) What does lack of sleep can lead to?

E. Draft a vote of thanks for inaugural day at your college. (4)

**F. 1. Do as directed.****(4)**

a) Identify the correct form of 'do' in the following sentences:

It \_\_\_\_\_ not work properly.

b) Choose the appropriate form of 'be' to complete the sentence:

The flowers \_\_\_\_\_ very beautiful.

c) Fill in the blank with correct form of 'have'.

He \_\_\_\_\_ completed the job.

d) Rewrite the sentence in negative form:

They are coming tomorrow.

**2. a) Fill in the blanks with correct articles:****(2×1=2)**

i. I saw \_\_\_\_\_ old pair of shoes.

ii. \_\_\_\_\_ Bangalore University has introduced new syllabus for the UG Program.

**b) Fill in the blanks with correct prepositions.****(2×1=2)**

i. We have to submit the report \_\_\_\_\_ Monday.

ii. There isn't any milk left \_\_\_\_\_ the fridge.

**3. a) Add the correct derivatives to the word in the bracket to complete the sentence.****(2×1=2)**

i. Delhi is a city which \_\_\_\_\_ (blend) with old and new culture.

ii. His \_\_\_\_\_ was to carry the team forward. (eligible)



b) Fill in the blanks with appropriate linkers: (2)

(because, due to, in spite of, although)

- i. I missed watching the match \_\_\_\_\_ I was out of town.
- ii. \_\_\_\_\_ Ram is sick, he attended the interview.

4. a) Do as directed: (2×1=2)

- i. Identify the type of question used in the following sentence:  
When is your term loan payment scheduled to begin?
- ii. Convert the following statement into yes/no question:  
I am not attending the meeting today.

b) Complete the sentence with the correct question tags: (2×1=2)

- i. Ram is fighting back \_\_\_\_\_?
  - ii. He shouldn't be that strong \_\_\_\_\_?
- \_\_\_\_\_



I Semester B.C.A./B.Sc.(FAD) Degree Examination,  
December/January- 2025/26  
(SEP Scheme)  
LANGUAGE HINDI  
Gadya Vyakaran Aur Takniki Shabdavali

Time : 3 Hours

Maximum Marks :80

- I. निम्नलिखित प्रश्नों के एक शब्द या वाक्य में उत्तर लिखिए। (10×1=10)
- 1) उम्मान गेहूँ के बोरे के बदले क्या चाहता था?
  - 2) खूबसूरती पर टैक्स लगाने की बात किस ने की?
  - 3) ताजमहल के लिए संगमरमर कहाँ से आया?
  - 4) गंगा तट पर रहने से किसका डर नहीं रहता?
  - 5) भक्ति का अम्नी नाम क्या था?
  - 6) म्यामी विवेकानंद के अनुसार हमारे स्वभाव में किसका अभाव है?
  - 7) भारत एक है निबंध में किस भाषा को भारतीय संस्कृतियों का पुल माना गया है?
  - 8) किस वस्तु को लेने के लिए लेखक सोनारी गए थे?
  - 9) गंगा मैया किसने लिखा है?
  - 10) महादेवी वर्मा का भक्ति के प्रति कौन सा भाव था?
- II. निम्नलिखित में से किन्हीं दो का समदर्प व्याख्या कीजिए। (2×7=14)
- 1) इतनी घनी मुघराई: कहीं कुछ कम नहीं, कहीं कुछ ज्यादा नहीं, जैसे कुदरत ने तैलकर रख दिया है। कुछ घटाया बढ़ाया नहीं जा सकता, कुछ बदला नहीं जा सकता।
  - 2) भक्ति अच्छी है यह कहना कठिन होगा, क्योंकि उसमें दुर्गुणों का अभाव नहीं। वह मत्त्ववादी हरिश्चन्द्र नहीं बन सकती पर नरो वा कुंजरो वा कहने में भी विश्वास नहीं करती।
  - 3) तुम काम में लग जाओ, फिर देखोगे इतनी शक्ति आएगी कि तुम उसे संभाल न सकोगे।
- III. निम्नलिखित में से किन्हीं दो का उत्तर लिखिए। (2×15=30)
- 1) बहता पानी निर्मला का सारांश लिखकर लेखक के दर्शन पर प्रकाश डालिए।
  - 2) भारत एक है निबंध का सारांश लिखिए।
  - 3) लैला की शादी का सारांश लिखकर इस कहानी के संदेश पर प्रकाश डालिए।



(2)

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IV. निम्नलिखित में से किसी एक पर टिप्पणी लिखिए।

(1×6=6)

- 1) शंकर
- 2) गंगा मैदान

V. किन्हीं दो का निर्देशानुसार उत्तर लिखिए।

(2×5=10)

- 1) दिए गए शब्दों के समानार्थी शब्द लिखिए:
  - i) यथार्थ
  - ii) लड़की
  - iii) मान
  - iv) अंधकार
  - v) शत्रुराज
- 2) दिए गए अनेक शब्दों के एक शब्दों लिखिए:
  - i) जिसे पार करना कठिन हो
  - ii) जो कभी न घरे
  - iii) जो नेत्रों से दिखाई न दे
  - iv) जिसका कोई आकार न हो
  - v) आकाश में उड़नेवाला
- 3) समानार्थी शब्द किसे कहते हैं? उदाहरण के साथ समझाइए।

VI. निम्नलिखित शब्दों का हिन्दी में अनुवाद कीजिए।

(10×1=10)

- |                     |                    |
|---------------------|--------------------|
| i) Monitor          | ii) Internet       |
| iii) Review         | iv) Distribution   |
| v) Website          | vi) Complexity     |
| vii) Title          | viii) Document     |
| ix) Risk Management | x) Confidentiality |
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SADEN101

I Semester ALL U.G. Courses Degree Examination,  
December/January - 2025/26  
(SEP Scheme Freshers & Repeaters)  
ADDITIONAL ENGLISH - I  
Sublime - 1

Time : 3 Hours

Maximum Marks : 80

**Instructions :**

1. *Answer All the Parts.*
2. *Mention question numbers correctly.*

**PART - A**

(Language Component)

- I. Read the following passage and answer the question in one or two sentences. (5)

**Polar Bears and Climate Change**

The Polar Bear is a large carnivorous mammal found in the icy Arctic region. It depends heavily on sea ice to hunt seals, its primary source of food. These magnificent animals are powerful swimmers, capable of travelling for days across freezing waters in search of prey. Their thick white fur and a layer of fat, called blubber, protect them from the extreme cold, making them perfectly adapted to their harsh environment.

In recent decades, global warming has accelerated the melting of Arctic ice at an alarming rate. With their hunting grounds disappearing, polar bears are forced to swim longer distances or move inland, where food sources are limited. Many are starving or coming into contact with human settlements, leading to dangerous encounters. Scientists have recorded a sharp decline in polar bear populations in several Arctic regions.

To cope with these challenges, researchers are studying how polar bears are adapting to their changing environment. Some have begun to feed on bird eggs or scavenge near human areas, though these substitutes cannot replace their natural diet. Environmental organizations are urging nations to reduce carbon emissions and protect the polar regions. Without immediate action, polar bears could face extinction within a few decades, marking a tragic loss for the planet's biodiversity.

**Questions :**

1. Where are polar bears mainly found?
2. What protects polar bears from the cold?

[P.T.O.]



3. Polar bears depend on sea ice to hunt seals. (True/False)
4. Which of the following threatens the survival of polar bears?
  - a) Global warming
  - b) Forest fires
  - c) Overpopulation
  - d) Agriculture
5. What do conservationists warn about the future of polar bears?

**II. Draft a precis of the following passage reducing into one third (1/3) and suggest a suitable title. (5)**

Few business leaders in India have left as deep and enduring a mark as Ratan Tata, whose leadership reshaped the Tata Group into a global powerhouse while maintaining its ethical foundations. Born in 1937, Ratan Tata entered the family business at a time when India was still emerging as an industrial economy. He modernized the group's operations, infused it with innovation, and built a culture that valued integrity as much as profit. Under his visionary leadership, the Tata Group expanded across continents, making notable acquisitions like Tetley, Corus, and Jaguar Land Rover - transforming Tata into a globally recognized brand.

Beyond corporate achievements, Ratan Tata's philosophy of leadership was rooted in humility and service. He believed that business enterprises must serve a higher purpose beyond wealth creation. Through the Tata Trusts, he directed a significant portion of company profits toward social welfare, improving education, healthcare, and rural livelihoods. His vision was that a nation's progress should be measured by the well-being of its people, and he ensured that the Tata Group stood as a pillar of ethical capitalism in a competitive corporate world.

Even after stepping down as chairman, Ratan Tata continued to shape India's entrepreneurial landscape. His encouragement of young innovators and investments in emerging startups demonstrated his unwavering belief in the power of ideas and youth. His dignified demeanor, compassion for employees, and refusal to compromise on principles earned him global respect.

Today, Ratan Tata's name stand not just for industrial achievement but also for trust, compassion, and courage. He symbolizes an ideal blend of business acumen and humanitarian concern - a reminder that true success lies not in accumulation, but in contribution.

**III. Expand any one of the following. (5)**

1. A stitch in time saves nine.
2. Actions speak louder than words.



- IV. A. Fill in the blanks with suitable idioms to complete the following sentences. (3)

(beat around the bush, once in a blue moon, hit the nail on the head, under the weather)

1. Ramesh rarely visits us; he comes, \_\_\_\_\_.
2. She didn't talk about the real issue and started to \_\_\_\_\_.
3. I think you \_\_\_\_\_ when you said the manager was being unfair.

- B. Fill in the blanks with suitable phrases to complete the following sentences. (2)

(come across, look up to, turn down)

1. I really \_\_\_\_\_ my teacher for her patience and dedication.
2. He had to \_\_\_\_\_ the offer because of his health issues.

### PART - B

#### (Literary Component)

- V. Answer any Five the following questions in one or two sentences. (5×2=10)

1. According to the speaker in W. H. Auden's poem 'Refugee Blues', men are living in \_\_\_\_\_.
2. The poem 'A Different History' states that it is acceptable to slam books down hard on a table. (True/False)
3. Where do the squirrels hide their nuts in the poem 'Leisure'?
4. Name the character who was the landlord of the village in 'A Pair of Mustachios'.
5. What does Iona try to tell the officer in the story 'The Lament'?
6. Which medicine according to Madubogwu will cure Nnaemeka's madness?
7. What type of books did the speaker read as a child in 'The Danger of a Single Story'?

- VI. Answer any Four of the following questions in about 80-100 words. (4×5=20)

1. How does Maya Angelou express resilience and pride in 'Still, I Rise'?
2. Examine the contrast between nature's freedom and human cruelty in Refugee Blues.
3. What made Azam Khan go to the money lender the second time in 'A Pair of Mustachios'?



4. How does the character of Nene serve as a catalyst for resolving familial conflict?
5. Explain the significance of the ending of 'The Lament' and how it reflects the overall message of the story.
6. What role is a wife expected to fulfil in 'Why I want a Wife'?

**VII. Answer any Three of the following questions in about 300-350 words.**

**(3×10=30)**

1. How does Bhatt merge Indian cultural imagery with post-colonial thought in 'A Different History'?
  2. Analyze Leisure as a reflective poem on modern man's loss of connection with nature.
  3. Discuss how Mulk Raj Anand uses humour and satire in "A Pair of Mustachios" to expose the vanity and class pride of Indian society.
  4. Examine the theme of personal loss in 'The Lament'. How does Chekhov use this theme to comment on the human condition?
  5. How does Chimamanda Adichie use personal anecdotes and humor to convey serious social and cultural messages in 'The Danger of a Single Story'?
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SDCCA-101

I Semester B.C.A./B.C.A.(DS) Degree Examination,  
December/January - 2025/26  
(SEP Scheme Freshers and Repeaters)  
**COMPUTER APPLICATIONS**  
**Fundamentals of Computers**

**Time : 3 Hours**

**Maximum Marks : 80**

**Instructions :**

*Answer all the Sections.*

**SECTION - A**

**I. Answer any Ten questions. Each question carries 2 marks. (10×2=20)**

1. List any two characteristics of computer.
2. Abbreviate EDVAC and ENIAC.
3. Define Compiler.
4. Expand MICR and OMR.
5. Mention any two output devices.
6. Write a truth table for NAND gate.
7. What is Number System?
8. What is an Internet?
9. What is a search engine?
10. Mention two features of MS-Office.
11. What is Word-Art in MS-Word.
12. Mention any two types of Graphs in MS-Excel.

**SECTION - B**

**II. Answer any Six questions. Each question carries 5 marks. (6×5=30)**

13. Write a note on any two classifications of computers.
14. Explain the computer languages.
15. Explain any two input devices.
16. Write a note on memory organization.

**[P.T.O.]**



17. Convert the following hexadecimal number to decimal number.
  - a. F6.E2
  - b. AF.2F
18. Write a note on internet applications.
19. Explain different types of graphs in MS-Excel.
20. Write brief note on MS-PowerPoint.

### SECTION - C

**III. Answer any Three questions. Each question carries 10 marks. (3×10=30)**

21. Explain the basic organization of digital computer with a neat diagram. (10)
  22. Discuss in detail different types of printers. (10)
  23. a) Convert the following decimal number to hexadecimal number.
    - i. 450
    - ii. 2316 (5)
  - b) Write a note on email operation. (5)
  24. Discuss in detail mail merge in MS-Word. (10)
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SDCCA-103

I Semester B.C.A./B.C.A.(DS) Degree Examination,  
December / January - 2025/26  
(SEP Scheme Fresher+Repeater)  
**COMPUTER APPLICATIONS**  
Computational Discrete Mathematics  
Paper - CA1T3

Time : 3 Hours

Maximum Marks : 80

**Instructions :***Answer all the Sections.***SECTION - A****I. Answer any Ten questions. Each question carries 2 marks. (10×2=20)**

1. Define set and give an example.
2. Define tautology and contradiction.
3. What is equivalence relation?
4. Define unit matrix and give an example.
5. Solve  ${}^8C_5$ .
6. What is Quantifier and give an example?
7. Define Generating functions and give an example.
8. Define Linear Recurrence relation.
9. What is reflexive relation give an example?
10. What is the order and size of a graph?
11. Define a planar graph.
12. What is digraph?

**[P.T.O.]**



## SECTION - B

II. Answer any Six questions. Each question carries 5 marks.

(6×5=30)

13. Explain all operations on sets and give examples.

(5)

14. Find the Adjoint (A) of a Matrix  $A = \begin{bmatrix} 1 & 2 & 1 \\ 5 & 2 & 3 \\ 1 & 1 & 2 \end{bmatrix}$ .

(5)

15. If  $R = \{(1,2)(3,4)(2,2)\}$  and  $S = \{(4,2)(2,5)(3,1)(1,3)\}$  then find RoS and SoR.

(5)

16. Explain the Pigeon hole Principle with example.

(5)

17. If 8 runners are in race, In how many ways can gold, silver and bronze be awarded?

(5)

18. Show that the relation R in a set  $A = \{1,2,3,4,5\}$  given by  $R = \{(1,1)(2,2)(3,3)(4,4)(1,2)(2,1)(2,3)(3,2)(4,5)(5,4)(3,4)(3,5)\}$  is an equivalence relation.

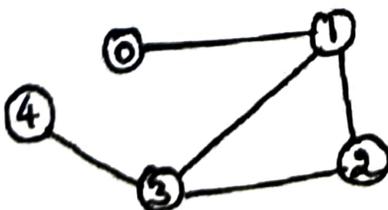
(5)

19. Show that if  $n$  is a positive integer, then  $1+3+5+\dots+(2n-1) = n^2$ .

(5)

20. Find the adjacency matrix for this graph.

(5)





## SECTION - C

III. Answer any Three questions. Each question carries 10 marks. (3×10=30)

21. Define propositional logic and Explain any four logical connectives with example. (10)

22. a) Determine the sequence for  $a_n = 2a_{n-1} - a_{n-2}$  up to five terms for the initial conditions  $a_0 = 0$  and  $a_1 = 5$ . (5)

b) Solve the following equations using Cramer's rule

$$2x + 3y - z = 1,$$

$$4x + y - 3z = 11,$$

$$3x - 2y + 5z = 21.$$

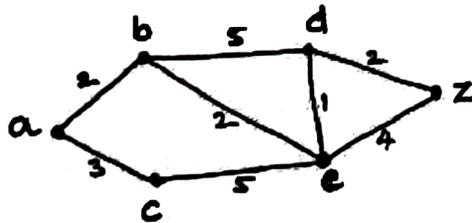
(5)

23. a) Solve A group of 80 people, 42 like Coffee, 60 like Tea and each person like at least one of the two drinks. Find how many people like both Coffee and Tea. (5)

b) Explain the mathematical induction with example. (5)

24. a) Write a note Hamiltonian graph and circuit. (5)

b) Find the length of a shortest path between a to z in the weighted graph. (5)



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SSEEV101

I Semester B.A./B.Com./B.Sc./B.C.A./B.B.M. Degree Examination,  
December/January - 2025/2026  
(SEP Scheme)  
ENVIRONMENTAL STUDIES (AECC)

Time : 2 Hours

Maximum Marks : 40

## SECTION - A

ವಿಭಾಗ - ಎ

## I. Answer in one word or a sentence (Any Eight)

(8×1=8)

ಒಂದು ಪದ ಅಥವಾ ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ. (ಎಂಟಕ್ಕೆ ಮಾತ್ರ)

- a. Pollutant  
ಮಾಲಿನ್ಯಕಾರಕಗಳು
- b. Endangered SPP  
ಅಳಿವಿನಂಚಿನ ಪ್ರಭೇದಗಳು
- c. Ozone Layer Depletion  
ಓಝೋನ್ ಪದರ ತೆಳುವಾಗುವಿಕೆ
- d. Flood  
ನರೆ
- e. Meteorology  
ಹವಾಮಾನಶಾಸ್ತ್ರ
- f. Population  
ಜನಸಂಖ್ಯೆ
- g. Kyoto Protocol  
ಕ್ಯೂಟೊ ಪ್ರೊಟೋಕಾಲ್
- h. Productivity  
ಉತ್ಪಾದಕತೆ

[P.T.O.]



- i. Sustainability  
ಸುಸ್ಥಿರತೆ
- j. E waste  
ಇ-ತ್ಯಾಜ್ಯ

**SECTION - B**

ವಿಭಾಗ - ಬಿ

**II. Write short notes on any Four of the following.**

(4×3=12)

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ನಾಲ್ಕರ ಬಗ್ಗೆ ಸಣ್ಣ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

1. Ecological Pyramid & its types.  
ಪರಿಸರ ಪಿರಮಿಡ್ಡುಗಳು ಮತ್ತು ಇದರ ವಿಧಗಳು
2. Dams advantages & disadvantages.  
ಅಣೆಕಟ್ಟುಗಳ ಉಪಯೋಗಗಳು ಮತ್ತು ಅನುಪಯೋಗಗಳು
3. Loss of Bio-Diversity.  
ಜೈವಿಕ ವೈವಿಧ್ಯತೆಯ ನಾಶ
4. Use & over exploitation of ground water.  
ಅಂತರ್ಜಲದ ಉಪಯೋಗ ಮತ್ತು ಅತಿಯಾದ ಶೋಷಣೆ
5. Chipko movement  
ಚಿಪ್ಕೋ ಚಳುವಳಿ

**SECTION - C**

ವಿಭಾಗ - ಸಿ

**III. Answer any Two of the following.**

(2×10=20)

ಈ ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಎರಡಕ್ಕೆ ಉತ್ತರಿಸಿ.

6. Define soil pollution. Explain its causes, effects & control measures of soil pollution.  
ಮಣ್ಣು ಮಾಲಿನ್ಯವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ. ಮಣ್ಣು ಮಾಲಿನ್ಯದ ಕಾರಣ, ಪರಿಣಾಮಗಳು ಮತ್ತು ನಿಯಂತ್ರಣ ಕ್ರಮಗಳನ್ನು ವಿವರಿಸಿ.
7. Briefly explain structure & functions of ecosystem.  
ಪರಿಸರ ವ್ಯವಸ್ಥೆಯ ರಚನೆ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ವಿವರಿಸಿ.
8. Explain the role of individuals in environmental conservation.  
ಪರಿಸರ ಸಂರಕ್ಷಣೆಯಲ್ಲಿ ವ್ಯಕ್ತಿಗಳ ಪಾತ್ರವನ್ನು ವಿವರಿಸಿ.



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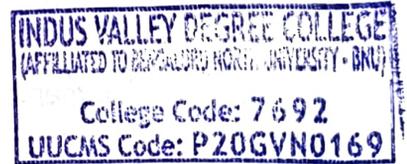
I Semester B.C.A./B.C.A.(DS) Degree Examination,  
December/January - 2025/26  
(SEP Scheme Freshers+Repeaters)  
COMPUTER APPLICATIONS  
Programming in C  
Paper - CAIT2

Time : 3 Hours

Maximum Marks : 80

**Instructions:***Answer all the Sections.***SECTION - A****I. Answer any Ten questions. Each questions carries 2 marks. (10×2=20)**

1. What is keyword?
2. Define data types.
3. What is a constant?
4. Write the syntax of simple if statement.
5. Differentiate between break and continue statement.
6. Mention two types of functions.
7. What is an array?
8. What are nested structures?
9. Define enum.
10. What is dynamic memory allocation?
11. Define preprocessor directives.
12. What are macros?

**[P.T.O.]**

**SECTION - B**

**II. Answer any Six questions. Each question carries 5 marks. (6×5=30)**

13. Discuss type conversions in C.
14. Write a program to read radius of a circle and to find area and circumference.
15. Explain for loop statement with syntax and example.
16. Briefly discuss recursive function with an example.
17. Write a note on operations on strings.
18. Explain the concept one dimensional array in C.
19. Explain call by value with an example.
20. What are command line arguments? Explain with an example.

**SECTION - C**

**III. Answer any Three questions. Each question carries 10 marks. (3×10=30)**

21. a) What is an operator? Explain any two types of operators in C with an example. (5)  
 b) Explain any five library functions with an example. (5)
22. a) What is nested if statement? Explain with syntax and example. (5)  
 b) Write a short note on user defined functions. (5)
23. a) Write a C program to perform addition of two matrices. (5)  
 b) Explain structures in C with syntax and example. (5)
24. a) Explain the concept of pointers. (5)  
 b) What is a file? Write a note on file modes. (5)