



K.L.E. Society's

**Raja Lakhamagouda Science Institute,
Belagavi
(Autonomous)**

QUESTION PAPERS

**BCA I Semester
March – April 2021**



Reg. No.

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KLE Society's

**Raja Lakhamagouda Science Institute (Autonomous),
Belagavi.**

**First Semester BCA (CBCS) Degree Examination March-April – 2021
ENG01: ENGLISH**

Duration: 3 Hrs

Max Marks: 70

I. Answer the following questions in a sentence each:

10x1=10

1. What is speech?
2. Define adjective?
3. Define Orthography?
4. What do you mean by tenses?
5. What is a relative pronoun?
6. "Jack cut the tree"- Convert into present perfect tense.
7. What is decoding a message?
8. What is secondary stress?
9. What is tonic segment?
10. What is stress?

II. Answer any two of the following

2x5=10

1. What are basic business etiquettes?
2. What is Phonetics? Explain.
3. Explain art of narration.
4. Explain Usage of comma and colon.

III.

1x10=10

1. Explain process of business communication.

OR

2. Explain Linguistics, Syntax, Semantics and morphology.

IV.

1x10=10

1. What is a verb? Explain auxiliary verbs.

OR

2. Explain different types of noun.

Important Note: 1. On completing answers, compulsorily draw diagonal lines on the remaining blank pages.
2. Any revealing of identification, appeal to valuator and / or equations written will be treated as malpractice.

V.

1x10=10

1. Explain Monophthong and Diphthongs

OR

2. Write Phonetic transcription of these words

- a) Negotiate
- b) Employer
- c) Fringe
- d) Crime
- e) Colonel
- f) Mexico
- g) Oasis
- h) Chamber
- i) Scarce
- j) Knowledge

VI.

1. Explain aspects of Speech skills

(5 marks)

2. 'We have to modify our self introduction according situation', Explain this quote.

(5 marks)

VII.

1. Write a short speech on Importance of startup culture.

(5 marks)

2. Prepare a Vote of thanks for a national seminar conducted in your college.

(5 marks)

2 of 2



ಭಾಷೆ ಮತ್ತು ಬರಹದ ಶುದ್ಧಿಗೆ ಗಮನ ಕೊಡಲಾಗುವುದು.

ಪ್ರ. 1. ನಾಗಚಂದ್ರನ ರಾವಣನು ಸೀತಾಪಹರಣ ಮಾಡಿದ ಸನ್ನಿವೇಶವನ್ನು ವಿವರಿಸಿ.

ಅಥವಾ

ಅವಲೋಕಿನಿ ವಿದ್ಯೆಯು ರಾವಣನಿಗೆ ಹೇಳಿದ ಬುದ್ಧಿಯ ಮಾತುಗಳಾವವು? ಸೋದಾಹರಣವಾಗಿ ವಿವರಿಸಿ.

10 ಅಂಕಗಳು

ಪ್ರ. 2. ಅಲ್ಲಮಪ್ರಭುವಿನ ವಚನಗಳಲ್ಲಿ ವ್ಯಕ್ತವಾದ ಜೀವನ ಆದರ್ಶಗಳನ್ನು ವಿವರಿಸಿ.

ಅಥವಾ

"ಟೆಂಪೋ ಪ್ರಯಾಣದ ಅನುಭವಗಳಲ್ಲಿ ವ್ಯಕ್ತವಾದ ಜೀವನ ಆದರ್ಶಗಳನ್ನು ವಿವರಿಸಿ.

10 ಅಂಕಗಳು

ಪ್ರ. 3. ಬೇಕಾದ ನಾಲ್ಕಕ್ಕೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

4x5=20 ಅಂಕಗಳು

1) ನಾಗಚಂದ್ರ

2) ಅಲ್ಲಮ ಪ್ರಭು

3) ಅವಲೋಕಿನಿ ವಿದ್ಯೆ

4) ದು. ನಿಂ ಬೆಳಗಲಿ

5) ಪೊ. ಗುರದೇವ

6) ಟೆಂಪೋ ಏಜೆಂಟ್

ಪ್ರ. 4. ಬೇಕಾದ ಮೂರಕ್ಕೆ ಸಂದರ್ಭದೊಡನೆ ಸ್ಪಷ್ಟೀಕರಿಸಿ.

3x5=15 ಅಂಕಗಳು

1) ಎಳವಾಳೆ ತೆರಂಬೊಳೆವಂತೆ ಕಲಂಕಿ ಕದಡಿತ್ತಾಕ್ಷಣದೊಳ್

2) ದೋಷಿ ಪಿಡಿವಂತೆ ದಿವ್ಯದ ಕಾಸಿದ ಕುಳುವಂ

3) ಗುಹೇಶ್ವರಾ ನಿಮ್ಮ ಕಾಲದ ಕಟ್ಟಳೆಯ ಕಲಿತನಕ್ಕೆ ನಾನು ಬೆರಗಾದೆನು.

4) 'ಹ್ನು ಲಗೂ ಬರಿ, ಜಲ್ಮೀ ಬಿಡ್ತೇವು, ಸದ್ದೇ ಬಿಡ್ತೇವು'

5) ಇದೇನಪಾ ಡ್ರೈವರ್, ನಮಗೇನ ಊರ ಕಾಣಿಸ್ತಿಯೋ.

ಪ್ರ. 5. ಒಂದೇ ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

15x1=15 ಅಂಕಗಳು

- 1) 'ಅಭಿನವ ಪಂಪ' ಎಂದು ಹೆಸರು ಪಡೆದ ಕವಿ ಯಾರು?
- 2) ಜಾನಕಿಯನ್ನು ನೋಡಿದಾಕ್ಷಣ ರಾವಣನ ಮನಸ್ಸು ಏನಾಯಿತು?
- 3) ಸೀತೆಯು ಎಲ್ಲಿ ಹುಟ್ಟಿರಬೇಕೆಂದು ರಾವಣನು ತಿಳಿದನು?
- 4) ರಾವಣನು ಅವಲೋಕಿನಿ ವಿದ್ಯೆಯನ್ನು ಏಕೆ ಕರೆದನು?
- 5) ಪ್ರಭಾಮಂಡಲ ಯಾರು?
- 6) ರಾಮನು ಸೀತೆಯ ರಕ್ಷಣೆಯನ್ನು ಯಾರಿಗೆ ಒಪ್ಪಿಸಿದನು?
- 7) ಪರಾಂಗನಾವಿರತಿ ಎಂದರೇನು?
- 8) ಅಲ್ಲಮಪ್ರಭುವಿನ ಹುಟ್ಟೂರು ಯಾವುದು?
- 9) ಅನುಭವ ಮಂಟಪದ ಶೂನ್ಯ ಸಿಂಹಾಸನದ ಅಧ್ಯಕ್ಷನು ಯಾರು?
- 10) "ನಾನಾ ಎಂಬುದು ನಾನಲ್ಲ" ಪದ್ಯದ ಕರ್ತೃ ಯಾರು?
- 11) "ಸಾವಿರಾರು ನದಿಗಳು" ಕಾವ್ಯದ ಕವಿ ಹೆಸರೇನು?
- 12) 'ಜೀವನುಕ್ತ' ಗದ್ಯದ ಲೇಖಕರು ಯಾರು?
- 13) 'ಲಗೂ ಹೋಗೊದಾದ್ರೆ ಟೆಂಪೋಕ ಹೋಗೋಣು ಬರಿ' ಎಂದು ಲೇಖಕರು ಯಾರನ್ನು ಕರೆದರು?
- 14) ದು. ನಿಂ. ಬೆಳಗಲಿ ಅವರು ಜನಿಸಿದ್ದು ಎಲ್ಲಿ?
- 15) "ಎಲ್ಲರಿಗೂ ಬೇಕಾದ ಪ್ರಾಣಿ, ಸರ್ವಜನ ಪ್ರಿಯ" ಯಾರು?

Instructions to candidates:

1. Attempt all Questions.

I. Answer any FIVE of the following:**2X5=10**

1. What is compiler? Give an example.
2. Define Algorithm and Flowchart?
3. What is variable? How it is declared in C?
4. What is keyword? Name any two keywords in C.
5. What is an array? How one dimensional array is declared in C?
6. What is function?
7. Define pointer?

II. Answer any SIX of the following:**5X6=30**

8. List and explain the different notations used in flowchart.
9. What is software? Explain its types?
10. Explain the basic structure of C program?
11. Explain formatted input-printf() and output-scanf() statements of C?
12. Explain the switch() statement with syntax and example program?
13. Explain while() loop statement with syntax and example program?
14. Differentiate between structure and union?
15. Write a C program to find and display the largest and smallest among the 3 numbers?

III. Answer any THREE of the following:

10X3=30

16. Explain classification of programming languages with their merits and demerits?

17.a) List and explain the different arithmetic operators along with an example.

b) Program to accept a character & display the entered character is an

Alphabet, number, symbol.

(5+5)

18. Discuss with syntax and example program the following statements

a) if else statement

b) if else ladder

(5+5)

19. Explain any 5 inbuilt string handling functions in C?

20. a) Write a short on jumps in loop break and continue statements?

b) Write a C program to find whether the given number is prime or not? **(5+5)**

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**Instructions to candidates:**

1. Attempt all Questions.

I. Answer any FIVE of the following:**5X2=10**

1. What are internal and external commands?
2. State the file naming convention in UNIX operating system.
3. Give the command to list directory attributes.
4. What is pipe? Give an example.
5. What is a process? When it is created?
6. What is soft link?
7. List the numeric comparison operators in shell script.

II. Answer any SIX of the following :**6X5=30**

8. Explain the following:
 - a) Kernel
 - b) Shell
 - c) File and Process
 - d) System calls
9. Explain in detail ls -l command with example.
10. Explain three standard files.
11. Explain process creation mechanism.
12. Explain Kill command with syntax and example.
13. Explain the inode table attributes.
14. Explain looping statements with syntax and example.
15. Write a shell script to find the entered number is +ve or -ve.

III. Answer any THREE of the following:**3X10=30**

16. Explain UNIX architecture with neat labelled diagram. **[10]**
17. Explain the features of UNIX operating system. **[10]**
18. a) Explain the modes of vi editor with a neat diagram.
b) Explain the methods of using chmod command. **[5+5]**
19. a) Explain common environment variables.
b) Explain grep command with syntax, options and an example. **[5+5]**
20. a) Write a shell script to calculate simple interest.
b) Write a shell script to find average of three numbers. **[5+5]**



KLE Society's

Raja Lakhamagouda Science Institute (Autonomous)

Belagavi.

First Semester BCA Degree Examination Aug.-2021

SUB: DIGITAL LOGIC AND COMPUTER DESIGN

Duration: 3 Hrs

Max Marks: 70

Instructions to candidates:

1. Attempt all Questions.

I. Answer any FIVE of the following:

5x2=10

1. Define hexadecimal number.
2. What is minterm and maxterm? Give an example.
3. Define logic gates. List the types of logic gates.
4. What is combinational circuit? Give an example.
5. Define flip-flop. List the types of flip flops.
6. Define instruction. And explain instruction format.
7. Define addressing modes. List any 5 types of addressing modes.

II. Answer any SIX of the following:

6x5=30

8. Convert the following:
 - a) $10101_2 = ()_{10}$
 - b) $25_{10} = ()_2$
 - c) $C6_{16} = ()_2$
 - d) $143_8 = ()_{10}$
 - e) $1010101.101001_2 = ()_8$
9. Explain the basic gates NOT, AND, OR with Symbol and truth table.
10. Explain the working of half adder.
11. Explain instruction cycle.
12. Explain three basic computer instruction formats.
13. Simplify the following Boolean expressions using Boolean algebra
 - a) $(A+B)(A+C)$
 - b) $xy+x'yz'+yz$
14. Explain single bus architecture of basic computer.
15. Explain the different types of flip flops with circuit diagram and truth/state table.

III. Answer any THREE of the following:

3x10=30

16.a) Define 2's compliment. Write the steps to subtract two binary number using 2's complement.

b) Perform the Subtraction by 1's complement for the following.

a) 101011 – 111001 **b)** 0111-0001

17. Simplify the following Boolean expressions using K-Map

a) $A'B'C' + A'BC' + A'BC + ABC'$

b) $F(w, x, y, z) = \sum(1, 5, 6, 7, 11, 12, 13, 15)$

18. Explain the different types of processor registers.

19. Define decoder and encoder. Explain 2 to 4 decoder and 4 to 2 encoder.

20.a) Explain the Register Direct and Register Indirect Addressing Mode.

b) Explain in detail memory hierarchy.
