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BCACAC 107

Credit Based First Semester B.C.A. Degree Examination, Oct./Nov. 2016
(Common to All Batches)
FUNDAMENTALS OF INFORMATION TECHNOLOGY

Time : 3 Hours

Max. Marks : 80

Note : Answer any ten questions from Part – A and any one full question from each Unit in Part – B.

PART – A

(10×2=20)

- List any four characteristics of second generation computers.
 - Differentiate RAM from ROM.
 - What are the advantages of transistors over vacuum tubes ?
 - What are the two methods of accessing data from secondary storage devices ?
 - Expand OCR and MICR.
 - What is a memory stick ?
 - What are the advantages of machine language ?
 - What is an interpreter ?
 - Define cell and cell address.
 - What are the use of header and footers in word processing ?
 - Write a note on "Query" with respect to database.
 - What is word wrap ?



PART – B

UNIT – I

- Explain any six characteristics of computer. (6+5+4)
 - Write the application of computers in banking and communication field.
 - What is a cache memory ? How do they speed up the memory retrieve access ?
- Write a note on system bus. (5+5+5)
 - Explain memory hierarchy.
 - Write a note on super computer and Laptop computer.

P.T.O



UNIT – II

4. a) Write a note on barcode reader and Joystick. (5+5+)
b) What is an output device ? Explain the two forms of output.
c) Explain the storage organization of a magnetic disk.
5. a) What is an impact printer ? Explain any two types of impact printer. (5+5+)
b) Explain the working of mouse.
c) Explain :
i) Hard Disk
ii) Compact Disk.

UNIT – III

6. a) Explain five characteristics of a good program. (5+6+4)
b) What is an operating system ? Explain three functions of the operating system.
c) Explain the two service providers by the internet.
7. a) Explain the different types of language translators. (5+5+5)
b) Explain the steps needed to develop a decision table.
c) Explain the five symbols used in flowchart.

UNIT – IV

8. a) Explain the five features of Microsoft Office Word 2007. (5+5+5)
b) List the data types used in MS Access along with their description.
c) Explain spreadsheet interface.
9. a) Explain the features of Power Point. (5+5+5)
b) Briefly explain five mathematical function in worksheet with example.
c) Explain any two methods of creating tables in MS-Word.

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PART – A

(10×2=20)

1. a) List any four characteristics of second generation computers.
- b) Differentiate RAM from ROM.
- c) What are the advantages of transistors over vacuum tubes ?
- d) What are the two methods of accessing data from secondary storage devices ?
- e) Expand OCR and MICR.
- f) What is a memory stick ?
- g) What are the advantages of machine language ?
- h) What is an interpreter ?
- i) Define cell and cell address.
- j) What are the use of header and footers in word processing ?
- k) Write a note on "Query" with respect to database.
- l) What is word wrap ?

PART – B

UNIT – I

2. a) Explain any six characteristics of computer. (6+5=)
- b) Write the application of computers in banking and communication field.
- c) What is a cache memory ? How do they speed up the memory retrieve access ? (5+5=)
3. a) Write a note on system bus.
- b) Explain memory hierarchy.
- c) Write a note on super computer and Laptop computer.



UNIT – II

4. a) Write a note on barcode reader and Joystick. (5+5+5)
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c) Explain the storage organization of a magnetic disk.
5. a) What is an impact printer ? Explain any two types of impact printer. (5+5+5)
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UNIT – III

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8. a) Explain the five features of Microsoft Office Word 2007. (5+5+5)
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579 marks

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BCACAC 109

Credit Based First Semester B.C.A. Degree Examination, Oct./Nov. 2016
(Common to All Batches)
PROGRAMMING IN C

Time : 3 Hours

Max. Marks : 80

Note : Answer any ten questions from Part – A and answer one full question from each Unit of Part – B.

PART – A

(10×2=20)

1. a) What are comments ? How to write comments in C ?
- b) What are string constants ? How they differ from single character constants ?
- c) List the rules used for naming an identifier.
- d) What would be the value of x after the execution of the following statements ?
int x, y = 10; char z = 'a'; x = y + z;
- e) Differentiate break and continue.
- f) What is an array ? Write a C statement to declare an integer array of size 100.
- g) Mention suitable string functions to do the following :
 - a) To find length of the string.
 - b) To copy one string to another string.
- h) Write the scope and life time of static variables.
 - i) What is recursion ?
 - j) Differentiate structures and unions.
- k) What is a pointer ? How to declare a pointer variable in C ?
- l) List any two file access modes with their purpose.



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PART - B

Unit - I

2. a) Explain the features of C program.
 - b) List and explain different assignment and relational operators available in C.
 - c) Explain precedence and associativity of arithmetic operators in C. (5+5+5)
3. a) Explain the fundamental data types of C.
 - b) Explain the following with syntax and example :
 - i) Conditional operators.
 - ii) Increment and decrement operators.
 - c) Explain printing strings and real numbers using formatted output statement. (6+4+5)

Unit - II

4. a) Explain switch statement with syntax and example.
 - b) Explain the methods of declaring and initializing one dimensional array.
 - c) Explain do while statement with syntax and example. (5+5+5)
5. a) Explain else if ladder with syntax and suitable example.
 - b) Explain for loop with syntax and example.
 - c) Explain :
 - i) break statement with example.
 - ii) goto statement with example. (5+5+5)

Unit - III

6. a) List and explain any five string handling functions with examples each.
- b) Explain function definition with syntax and example.
- c) Explain call by value and call by reference with suitable example. (6+4+5)



- 7. a) What is a string ? How to declare and initialize strings and input strings ?
- b) Explain any two categories of user-defined functions in C.
- c) Explain passing arrays to a function with suitable example. (4+6+5)

Unit – IV

- 8. a) What is structure ? Explain structure definition with syntax and example.
- b) Explain following file related functions :
 - i) fseek()
 - ii) ftell
 - iii) rewind
 - iv) feof()
- c) Explain the following with examples :
 - i) size of operator (10x2=20)
 - ii) file inclusion directive. (5+6+4)
- 9. a) Explain with examples different forms of macro substitutions.
- b) Explain nested structures with suitable example.
- c) Write a note on pointers in 'C'. (7+4+4)



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28/10/16

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**BCAHDL 104/BSAHDL 104/BIDHDL 104/BFDHDL 104/
BADHDL 104**

**Credit Based First Semester B.C.A./B.Sc. (Animation and Visual Effects)
B.Sc. (ID and D)/B.Sc. (FD)/B.A. (Security and Detective Science) Degree
Examination, Oct./Nov. 2016
(2015-16 Batch Onwards)
HINDI LANGUAGE
(Group – I) (Paper – I)**

Time : 3 Hours

Max. Marks : 80

I. एक शब्द या एक वाक्य में उत्तर लिखिए :

(5×1=5)

- 1) घास के जलने से दूर की धरती कैसे दिखेगी ?
- 2) गाँव में कौन आया है ?
- 3) 'अमर कोली' किसकी रचना है ?
- 4) दारोगा अमर कोली के लिए क्या छोड़ नहीं सकता था ?
- 5) बाँसुरी वादन सुनकर कौन नाचती है ?

II. किन्हीं तीन की सप्रसंग व्याख्या कीजिए ।

(3×5=15)

अ) तुम्हारे इतिहास से मेरा इतिहास

बिलकुल अलग है

जमीन पर बिखरकर उगनेवाला

उससे चिपककर फैलने वाला

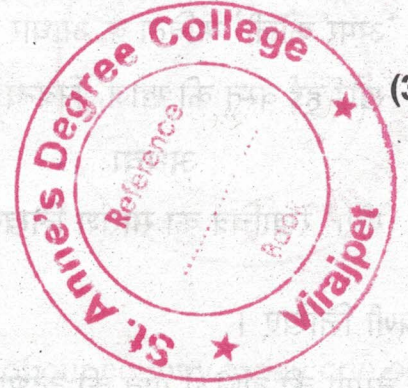
मेरा इतिहास

जिस पर 'पद-दलित' होने की मार पड़ रही है

मेरा इतिहास

मेरे सिर पर इसलिए होगा

क्योंकि मेरी जड़ अँधेरे में पत्थर से लड़ रही है।



P.T.O.

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BCAHDL 104/BSAHDL 104/BIDHDL 104/BFDHDL 104/BADHDL 104

आ) बन्धु, एक आध तबेला भात लाओ
पुराने सिरीकमल चावल का
अरहर की दाल
थोड़ी कुड़कुड़िया घी
और अचार आम का
तो हम धन्य हो।

इ) वह एक बच्ची की तस्वीर थी जो अब भी
रक्त के धब्बों में डूबी मुस्कुराए जा रही थी
देखा जो उसने पलट के मृतक की आँखों में
वहाँ किसी से लिपट के मिलने का इंतज़ार था।

ई) फिर इशारा कर सभी को बाहर किया गया
और अब घूम रहा था टेलिफोन
एक क्रम में कई नंबर
पुलिस, डाक्टर और चुने हुए पत्रकार।

III. अ) 'एक शब्द तिनका' कविता का सारांश लिखकर विशेषताओं पर प्रकाश डालिए।

अथवा

'अमर कोली' कविता के आधार पर कवि का आशय स्पष्ट कीजिए।

आ) 'खोई हुई वस्तु की खोज' निबन्ध का सारांश अपने शब्दों में लिखिए।

अथवा

'गौरा' रेखाचित्र का सारांश लिखकर विशेषताओं पर प्रकाश डालिए।

IV. टिप्पणी लिखिए।

अ) बैरागी की दृष्टि में गाँव की दुर्दशा।

अथवा

अमर कोली के मित्र।

आ) ग्वाला।

अथवा

आयोग के वकील।



BCAHDL 104/BSAHDL 104/BIDHDL 104/BFDHDL 104/BADHDL 104

V. 1) किन्हीं दो प्रश्नों का उत्तर लिखिए : (2×5=10)

अ) कर्म के अनुसार क्रिया के _____ भेदों को उदाहरण के साथ समझाइए।

आ) भूतकाल के भेदों को सोदाहरण समझाइए।

इ) कारक किसे कहते हैं ? किन्हीं तीन भेदों को सोदाहरण समझाइए।

2) वाक्य शुद्ध कीजिए। (5×1=5)

अ) राम रोटी खाया।

आ) वह गत वर्ष आयेगा।

इ) लड़का रामायण पढ़ते हैं।

ई) श्याम ने एक पुस्तक खरीदा।

उ) मैंने उससे प्रश्न पूछा।

3) महेश मिल्स, नेहरू रोड कलकत्ता के व्यवस्थापक ने जो कपडे भेजे हैं, वे आदेश के अनुसार नहीं हैं। इसकी शिकायत करते हुए एक पत्र लिखिए।

अथवा

सरकारी कार्यालयों में हिन्दी अनुष्ठान के उद्देश्य से भारत सरकार के मानव संसाधन मंत्रालय, संसद भवन, नई दिल्ली की ओर से एक परिपत्र तैयार कीजिए।

4) निम्नलिखित मुहावरों का सही अर्थ लिखिए। (5×1=5)

अ) झटका लगना

आ) तकलीफ उठाना

इ) जंग लगना

ई) रन्पया फूँकना

उ) रोटी-दाल चलना

5) हिन्दी में अनुवाद कीजिए।

By the grace of God the educated people of our country today are eager to reform the country. The first step for this is education. At present not even 25% of our people are educated. But among the free countries there are somewhere we cannot find even five percent of uneducated people.

दैवत कृपेयुंद नमू दैशद विद्यावन्तरुल्लि दैशदल्लि सुधारणं माडबैकेंब असुक्ती इदं. सुधारणंयु मीदल हंज्जु शिक्कण. एग नमू जनगल्लि शैकड 25रप्पु जनरु कूडा विद्यावन्तरुल्लि अदरं स्वतंत्रवागिरुव केलवु दैशगल्लि नूरकै इदु जनरु कूडा अविद्यावन्तरुल्लि सिगाररु.