

Exam Code: 0028
Sub. Code: 0919

2071
Bachelor of Computer Applications
Second Semester
Paper- BCA-16-201: English (C)- B
(Same for B.Voc. Multimedia Graphics and Animation 2nd Semester)

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt all questions.

x-x-x

Section -A

I. Bring out the theme of the story 'The Prize Poem' written by P.G. Wodehouse.

Or

Relate in your own words, summary of the story 'The Stolen Bacillus' written by H. G. Wells. (10)

II. Bring out the meaning and significance of the title 'Tight Corners' written by E.V. Lucas.

Or

Give in our own words, a summary of 'The Last Expedition' led by Capt. Robert Falcon Scott. . (10)

III. a) Give the summary of the poem:

'Sorrow'

Or

'Animals'

(5)

b) Give short answers to any two of the following questions:

i) Sum up the thoughts and ideas contained in the poem 'All For Love.'

ii) Why does Walt Whitman admire animals in the poem 'Animals'?

iii) Bring out the central idea of the poem 'To One Who Has Been Long in City Pent'

(5)

P.T.O.

(2)

c) Explain with reference to the context:

All then was jocund, all was gay,
 No thought beyond the present hour,
 I danced in pleasure's fading ray,
 Fading alas! as drooping flower.
 Nor do the heedless in the throng,
 One thought beyond the morrow give,
 They court the feast, the dance, the song,
 Nor think how short their time to live.

Or

Who is more happy, when, with heart's content,
 Fatigued he sinks into some pleasant lair
 Of wavy grass, and reads a debonair
 And gentle tale of love and languishment?

(5)

Section - B

IV. Write a paragraph on any one of the following topics:-

Importance of Youth festivals; Discipline; An ideal Student

(10)

V. Use any five of the following in sentences of your own:-

Wreaths, Throng, Plunged, Dismayed, Prosaic, Imminent, Exultation, Collusion(10)

VI. Translate into English:

(i) क्या आपने झूठ नहीं बोला ?

(ii) मैं अमीर आदमी नहीं हूँ।

(iii) शाबाश ! कमाल कर दिया।

(iv) वह ऊँचा सुनता है।

(v) इस बात की नगर में चर्चा है।

Or

(i) ਕੀ ਤੁਸੀਂ ਝੂਠ ਨਹੀਂ ਬੋਲਿਆ ?

(ii) ਮੈਂ ਅਮੀਰ ਆਦਮੀ ਨਹੀਂ ਹਾਂ।

(iii) ਸ਼ਾਬਾਸ਼ ! ਕਮਾਲ ਕਰ ਦਿੱਤਾ।

(iv) ਉਸ ਨੂੰ ਉੱਚਾ ਸੁਣਦਾ ਹੈ।

(v) ਇਸ ਗੱਲ ਦੀ ਨਗਰ ਵਿਚ ਚਰਚਾ ਹੈ।

(3)

(For foreign students only)

Paraphrase the following passage:

Ah, love, let us be true

To one another! for the world, which seems

To lie before us like a land of dreams,

So various, so beautiful, so new,

Hath really neither joy, nor love, nor light,

Nor certitude, nor peace, nor help for pain;

And we are here as on a darkling plain

Swept with confused alarms of struggle and flight,

Where ignorant armies clash by night.

(5)

VII. Transform the following sentences as directed:-

- a) It is indeed a very beautiful sight. (Change into exclamatory sentence)
- b) Everyone in the office respects him. (Change into negative)
- c) Everybody has heard of Maharaja Ranjit Singh. (Change into interrogative)
- d) Mohan is as strong as his brother. (Change into comparative degree)
- e) The old man is so tired that he cannot stand. (Rewrite using 'too') (5)

x-x-x

2071

Bachelor of Computer Application
Second Semester
BCA-16-202: Computer Organization

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I - IV.

x-x-x

UNIT - I

- I. a) Explain the working of 8-to-3 line encoder with the help of logic symbol, logic diagram and truth table.
b) What is register? Discuss various types of registers. (6,7)
- II. a) Multiply (-14) and (-8) using Booth's algorithm.
b) Discuss addition and subtraction for sign magnitude numbers. (6,7)

UNIT - II

- III. a) What are addressing modes? Discuss direct and indirect addressing modes.
b) Design Arithmetic, Logic and Shift (ALU) unit with 8 arithmetic, 4 logic and 2 shift micro-operations. (5,8)
- IV. What are interrupts? Discuss its types and interrupt cycle with the help of flowchart. (13)

UNIT - III

- V. a) What is Associative memory? Explain its working with the help of diagram.
b) Discuss the working of virtual memory. (8,5)
- VI. a) What are pseudo instructions? Explain the features of assembly language.
b) Write assembly language program to perform multiplication using subroutine. (5,8)

UNIT - IV

- VII. Discuss various physical components of a computer and its inspection and diagnostics on PC. (13)
- VIII. a) What is motherboard? List and explain various components attached on a motherboard.
b) What is an Expansion card? Explain any three expansion cards. (5,8)

P.T.O.

(2)

UNIT - V

IX. Attempt the following:-

- a) Define Flip flops. (2)
- b) What is virus? Discuss its types. (2)
- c) What are various types of memory? (2)
- d) What is strobe based and handshake based communication? (2)
- e) Discuss cache memory and its mapping techniques. (2)
- f) Discuss internal and external cards. (2)
- g) What is floating point representation? (1)

x-x-x

Exam.Code:0028

Sub. Code: 0921

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Bachelor of Computer Application

Second Semester

BCA-16-203: Fundamentals of Web Programming

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I - IV.

x-x-x

UNIT - I

- I. a) What is HTML? Explain how to add graphics to HTML document using a suitable example.
- b) Differentiate Ordered, Unordered and Definition List with example. (7,6)
- II. a) Describe different Text styles and text effects in HTML document using an example.
- b) Explain the following attributes of td tag:-
- i) cellpadding
 - ii) cellspacing
 - iii) valign
- (7,6)

UNIT - II

- III. a) What are Frames? Explain it along with all attributes.
- b) Describe an Anchor tag and its attribute. How it is used to link a document internally as well as externally? (7,6)
- IV. a) Explain various Form Controls. Discuss Bootstrap Library.
- b) What is an Image map? Explain the steps to create server side image map. (7,6)

UNIT - III

- V. a) Explain features of JavaScript, Explain Control Constructs in Java.
- b) Write a JavaScript code to find the sum of digits of a given number. (7,6)

P.T.O.

(2)

- VI. a) What is Event handling? Explain the various event attributes.
b) What are built-in Objects in JavaScript? Explain Date Object. (7,6)

UNIT - IV

- VII. a) How to make template in Dreamweaver? Discuss steps to add an image and links to a webpage.
b) Explain Layout of Dreamweaver Screen. (7,6)
- VIII. a) What is web hosting? Discuss steps to upload website to a server.
b) Discuss any third party FTP tool. (7,6)

UNIT - V

- IX. Attempt the following:-
- a) Differentiate internal and external CSS. (2)
- b) What do you mean by targeting named frames? (2)
- c) Post and Get Methods in Form. (2)
- d) Explain Anchor tag in Html. (2)
- e) Form validation in JavaScript. (2)
- f) What is domain name and web Browser? (3)

Exam.Code:0028

Sub. Code: 0922

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Bachelor of Computer Application

Second Semester

BCA-16-204: Object Oriented Programming Using C++

Time allowed: 3 Hours

Max. Marks: 65

NOTE: Attempt five questions in all, including Question No. IX (Unit-V) which is compulsory and selecting one question each from Unit I - IV.

x-x-x

UNIT - I

- I. How are data and functions organized in an object oriented program? What are the unique advantages of object oriented programming over procedure oriented? (13)
- II. Discuss the following:-
- a) Memory management operators
 - b) Type casting (8,5)

UNIT - II

- III. a) Demonstrate a case where objects can be passed as function arguments.
b) How are static members accessed in C++? (7,6)
- IV. a) Create a class 'myString' by taking suitable members/constructors. Implement a function to compare two strings (length) through operator overloading.
b) In what ways are constructors different from ordinary functions? Discuss copy constructor. (7,6)

UNIT - III

- V. What is the difference between inheritance and abstraction? How does the visibility of base class members undergo modification in derived class with respect to three types of derivation? (13)
- VI. When should one use late binding in OOPS? What is the role of virtual functions here? Demonstrate the implementation. (13)

P.T.O.

(2)

UNIT - IV

- VII. Why is exception handling mechanism introduced in C++? When do we use multiple catch handlers? Describe with an example. (13)
- VIII. Discuss the various stream classes available for file operations. What is the role of file pointer and how is it used for moving back and forth with in the file? (7,6)

UNIT - V

- IX. Write short note on following:-
- a) Manipulators (2)
 - b) Use of friend function (2)
 - c) Purpose of destructors (3)
 - d) Conversion from one class to another class type (3)
 - e) Random file processing (3)