

(i) Printed Pages : 4 Roll No.

(ii) Questions : 7 Sub. Code :

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**Bachelor of Computer Applications 2nd Semester
(2053)**

ENGLISH (Compulsory)-B

Paper : BCA-16-201

(Same for B.Voc. Multimedia Graphics & Animation 2nd Sem.)

Time Allowed : Three Hours]

[Maximum Marks : 65

Note :— Attempt all questions.

SECTION-A

I. Bring out the element of humour in P.G. Wodehouse's story, "The Prize Poem".

OR

Draw a character sketch of Mrs. Merrowdene as portrayed in the story, "Accident" written by Agatha Christie. 10

II. Summarise the story, "Tight Corners" written by E. V. Lucas in your own words.

OR

Bring out the element of pathos in "The Last Expedition" as described by Captain Robert Falcon Scott in his diary. 10

III. (a) Give the summary of the poem :

Sorrow

OR

To One Who Has Been Long In City Pent. 5

(b) Answer any **two** of the following questions :

(1) How does the poet describe the significance of our youthful days in the poem, 'All for Love' ?

(2) Why does Whitman admire animals ?

(3) On which incident 'The Charge of the Light Brigade' is based ?

5

(c) Explain with reference to the context :

When can their glory fade ?

O the wild charge they made!

All the world wonder'd.

Honour the charge they made!

Honour the Light Brigade,

Noble six hundred!

OR

O talk not to me of a name great in story;

The days of our youth are the days of our glory;

And the myrtle and ivy of sweet two-and-twenty

Are worth all your laurels, though ever so plenty

5

SECTION-B

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

Organ Donation, Depletion of Natural Resources, Social
Networking Sites

10

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

Gleam of satisfaction, penetrate, rake it up, three figures, notorious,
smothered, rankling, stunned and dazed

10

VI. Translate the following sentences into English :

1. हमें प्रदूषण नहीं फैलाना चाहिए।
2. यह कितना बड़ा भवन है!
3. वह बहुत बोलता है।
4. प्रातःकाल से बूँदाबाँदी हो रही है।
5. तुम किसी की मदद क्यों नहीं लेते ?
1. ਸਾਨੂੰ ਪ੍ਰਦੂਸ਼ਣ ਨਹੀਂ ਫੈਲਾਉਣਾ ਚਾਹੀਦਾ।
2. ਇਹ ਕਿੰਨੀ ਵੱਡੀ ਇਮਾਰਤ ਹੈ!
3. ਉਹ ਬਹੁਤ ਬੋਲਦਾ ਹੈ।
4. ਸਵੇਰ ਤੋਂ ਹੀ ਮੀਂਹ ਪੈ ਰਿਹਾ ਹੈ।
5. ਤੁਸੀਂ ਕਿਸੇ ਦੀ ਮਦਦ ਕਿਉਂ ਨਹੀਂ ਲੈਂਦੇ ?

OR

For foreign students only :

Paraphrase the following passage :

Childhood, sweet and sunny childhood,
With its careless, thoughtless air,
Like the verdant, tangled wildwood,
Wants the training hand of care.

5

VII. Transform the following sentences as directed :

(1) He is too weak to stand.

(Rewrite as a negative sentence)

(2) No one wants to be defeated.

(Rewrite as an affirmative sentence)

(3) No other flower is as sweet as rose.

(Rewrite using superlative degree)

(4) It is a great idea.

(Rewrite as an exclamatory sentence)

(5) The boy said to his father, "Will you allow me to go on this trip?"

(Change the narration)

5

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ii) Questions : 9

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Bachelor of Computer Applications 2nd Semester
(2053)

COMPUTER ORGANIZATION

Paper-BCA-16-202

Time Allowed : Three Hours] [Maximum Marks : 65

Note :— (1) Attempt **one** question from each Unit and the compulsory question (Unit-V).

(2) All questions carry equal marks unless specified.

UNIT—I

1. (a) Give the design and logic diagram of converting JK flip flop to D flip flop. 8
- (b) Explain half adder and full adder with their logic diagram. 5
2. (a) Discuss addition and subtraction for sign magnitude numbers. 6
- (b) Explain Booth's algorithm with suitable example. 7

UNIT—II

3. (a) Define Interrupt. What is an interrupt cycle ? Also explain priority interrupt. 7
- (b) What are micro-operations ? Design 4-bit arithmetic circuit. 6
4. Give the instruction set of 8086/8088 microprocessor. 13

UNIT—III

5. (a) Explain different types of memories with the help of circuit diagram. 6
(b) Write assembly language program to perform basic input/output. 7
6. (a) Elaborate various features of assembly language. Explain the differences between machine and assembly language. 5
(b) Compare one pass and two pass assembler. 8

UNIT—IV

7. Discuss the various physical components of a computer and its inspection and diagnostics on PC. 13
8. Define the term "Computer Virus". Explain its various types and its preventive and protective measures. 13

UNIT—V

9. (a) What is hit ratio ? 1
(b) Discuss the role of Execution Unit (EU). 2
(c) Define the term "parity". 2
(d) What is DMA ? 2
(e) What is Cache memory ? 2
(f) Define RTL. 2
(g) What is an Expansion Card ? 2

(i) Printed Pages : 2

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(ii) Questions : 9

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Bachelor of Computer Applications 2nd Semester
(2053)

FUNDAMENTAL OF WEB PROGRAMMING

Paper-BCA-16-203

Time Allowed : Three Hours] [Maximum Marks : 65

Note :— Attempt one question each from Sections A to D.
Question No. 9 (Section-E) is compulsory. All
questions carry equal marks.

SECTION—A

1. What do you understand by Network ? Draw the difference among Internet, Intranet and Extranet. 13
2. What is List ? How can you create Lists in Hyper Text Markup Language ? 13

SECTION—B

3. Define DHTML. How can you use cascading style sheets in webpage ? 13
4. What do you mean by Frame ? How can you create Frame in Hyper Text Markup Language ? 13

SECTION—C

5. What is JavaScript ? Explain the use of JavaScript in creating webpages. 13
6. What do you mean by event ? How can you handle events in JavaScript ? 13

SECTION—D

7. Define Dreamweaver. How can you create websites using Dreamweaver ? 13
8. What do you mean by Web Hosting ? Explain the process of uploading the Website to remote server. 13

SECTION—E

(Compulsory Question)

9. Write short notes on the following :
- (a) FTP 3
- (b) Objects in JavaScript 3
- (c) Dynamic website 3
- (d) Forms in HTML 3
- (e) URL. 1

(i) Printed Pages : 2 Roll No.

(ii) Questions : 9 Sub. Code :

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Bachelor of Computer Applications 2nd Semester
(2053)

OBJECT ORIENTED PROGRAMMING USING C++

Paper : BCA-16-204

Time Allowed : Three Hours] [Maximum Marks : 65

Note :— Attempt ONE question from each unit and compulsory
Question No. 9.

UNIT—I

1. (a) Draw difference between OOPS and traditional Programming language. 7
- (b) Exemplify the structure of C++ Program. 6
2. (a) Explain any three main concepts of OOPS like Abstraction, Polymorphism, etc. 7
- (b) What are members ? Explain Private and Public through examples. 6

UNIT—II

3. (a) What is function ? When a function is accessed as "friend" function and inline function ? Explain. 7
- (b) Which are basic data-types and user defined data-types ? How are they converted vice-versa ? Explain. 6

4. (a) What is array ? How are arrays of objects created ? 7
(b) How are constructors and destructors created and used ?
Explain. 6

UNIT—III

5. (a) Explain and exemplify various Privately and Publically derived members in case of Single Inheritance. 7
(b) What are virtual functions ? Exemplify. When are they called pure ? Explain. 6
6. (a) Explain various types of Inheritance. 7
(b) How do you carry out "Early" and "Late" binding to execute polymorphism ? Explain. 6

UNIT—IV

7. (a) What is Exception ? How are they handled ? Explain. 7
(b) How are various file operations executed for classes ?
Explain. 6
8. (a) Explain "Throwing" and "Catching" Mechanism for exceptions. 7
(b) Write a program to demonstrate Random file processing. 6

UNIT—V

9. Explain :
- (a) Memory Management Operators. 3
 - (b) Manipulators. 2
 - (c) Static Members. 2
 - (d) Type Conversion. 2
 - (e) Nesting of classes. 2
 - (f) Binding. 2