GANPAT UNIVERSITY
B.C.A. SEMESTER-I EXAMINATION (CBCS)

U31A1LDP: LOGIC DEVELOPMENT WITH PROGRAMMING-I

Time: 3 Hours

[Total Marks: 60]

Nov - Dec 2018

Instructions:
1. Figures to the right indicate full marks
2. Each section should be written in a separate answer book
3. Be precise and to the point in your answer

SECTION-I

1. Attempt any Six out of Nine:
   (A) Define Flowchart. Explain different symbols used for Flowchart.
   (B) Explain Basic Structure of C Programs.
   (C) Give the important features of C language.
   (D) Write an algorithm to print Fibonacci series (e.g., 1, 1, 2, 3, 5, 8, 13, …) and also draw the flowchart for same.
   (E) Define Variables? How can we declare a variable and assign the values into variables? Explain with example.
   (F) Explain User-Defined Data Type with example.
   (G) What is Logical operator? Write a small program using Logical operator.
   (H) Explain for loop with example.
   (I) Explain do...while loop with example.

SECTION-II

2. Attempt Any One:
   (A) Define Algorithm. Explain different types of Algorithm.
   (B) Write an algorithm find the odd and even number also draw the flowchart for same.

3. Attempt Any One:
   (A) What is Data Type? Explain Primary data types in detail
   (B) What is Constant? Explain with example.

4. Attempt Any One:
   (A) Explain Arithmetic Operator and Relational Operator with example.
   (B) What is size of operator? How it is useful? Explain with example.

5. Attempt Any One:
   (A) Explain the syntax of Nesting of IF … ELSE statement with example.
   (B) Explain goto statement with example.

6. Attempt Any One:
   (A) Explain while loop with example.
   (B) Compare break statement with continue statement with example.

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GANPAT UNIVERSITY
B.C.A. SEM-I EXAMINATION (CBCS)
U31A2OAT: OFFICE AUTOMATION TOOLS

Time: 3 Hours] Nov- Dec 2018 [Total Marks: 60

Instructions:
1. Figures to the right indicate full marks
2. Each section should be written in a separate answer book
3. Be precise and to the point in your answer

SECTION-I

1. Answer the following: (Any Six out of Nine).

A. What is Batch File? Explain steps of create it with example.
B. Explain the Steps for creating mail-merge with example
C. List out the Database function. Explain with example.
D. Explain pivot table in brief.
E. Explain Slide Transitions and custom-animations.
F. Explain Privation and cure from virus.
G. Explain any four financial functions.
H. Write a difference of following
   (i) Copy v/s X-Copy
   (iii) RD V/S DEL
I. What is word processing? Explain features of it in brief.
SECTION-II

2. Answer the following: (Any two) (08)
   I) Write a short note: word pad
   II) Explain any three commands with example
   III) Explain paint in brief.

3. Answer the following: (Any One) (07)
   I) Explain anatomy of window with figure.
   Define the following term.
   II) (a) Autocorrect  (b) Auto text
       (c) Format painter

4. Answer the following: (Any One) (07)
   I) Explain the different types of virus in detail.
   II) What is Power-Point? Explain the views of presentation.

5. Answer the following: (Any One) (08)
   I) What is spreadsheet? Explain the advantage of it
   II) Explain any four math functions.

END OF PAPER
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B.C.A. SEM-I EXAMINATION (CBCS)

U31A3BWP1: BASIC WEB PROGRAMING-I

Time: 3 Hours] Nov- Dec 2018 [Total Marks: 60

Instructions:

1. Figures to the right indicate full marks
2. Each section should be written in a separate answer book
3. Be precise and to the point in your answer

SECTION-I

1. Answer the following: (Any Six out of Nine). (30)
   I. Explain ordered list and unordered list.
   II. Explain the basic Structure of html in brief
   III. Write a program that shows example of arithmetic operators.
   IV. Explain the following tag.
      (1) <BR> (2) <B> (3) <U>
   V. Short note: Intranet and Extranet
   VI. Explain the concept of switch statement with example.
   VII. What is Email? Explain POP, ICMP, SMTP, and IMAP.
   VIII. Explain URL and web browser in brief.
   IX. Write a code of information form using <form> Tag.
SECTION-II

2. **Answer the following: (Any one)**

   a) Discuss Cable connection and dialup connection with advantage and disadvantage.
   b) Explain HTTP and search engine in detail.

3. (A) **Answer the following: (Any One)**

   a) What is <MARQUEE>? Explain it's any four attribute with example in brief.
   b) Explain <FONT> with attribute and example.

   (B) **Do as Directed.**

   a) Full Form: 1)FTP 2)DNS
   b) What is HTML? Which two tools used to create html document?

4. **Answer the following: (Any Two)**

   I) What is CSS? Explain font and background attribute with example.
   II) Discuss <frame> and <frameset> with example.
   III) What is <TABLE>? Explain the concept with example.

5. **Answer the following: (Any One)**

   II) Discuss for loop and while loop statement with example.

END OF PAPER
GANPAT UNIVERSITY
B.C.A SEM-I EXAMINATION (CBCS)

U31A4COA: COMPUTER ORGANIZATION & ARCHITECTURE

Time: 3 Hours] [Total Marks: 60

1. Answer the Following. [Any Six] (30)
   (A) Explain Alphanumeric codes in details.
   (B) Add 4372 and 8564 in BCD code.
   (C) Add (-12) to (-8) using 1's and 2's complement for 8 bits.
   (D) Explain Actual Microcomputer.
   (E) Explain Memory systems for microcomputer in details.
   (F) Explain any Five Addressing Techniques.
   (G) What are Logic Gates? Explain Inverter and OR Gates in brief.
   (H) Discuss Half Adder and Full Adder with its diagram.
   (I) Explain any two Number System.

2. Do as Directed. [Any Four] (8)
   (A) Convert (5A.16) to (?)0
   (B) 101011*10 using Division Simple Method.
   (C) (111011.1011101)2 → (?)16
   (D) (10110110.011101)2 → (?)8
   (E) 1011*1110 using Simple Multiplication.

3. Attempt the following. [Any One] (5)
   (1) Explain Hamming Code with example.
   (2) Explain Checksum Method in detail.

4. Answer the following. [Any One] (7)
   (1) Explain Microcontroller in detail.
   (2) What is System Bus? Explain Data Bus and Address Bus in brief.

5. Answer the following. [Any One] (5)
   (1) Explain Sum of Product in brief.
   (2) Proof Demorgan’s first theorems. \( A + B = A \cdot \overline{B} \)

   (B) Simplify following Boolean expression using K-Map.

\[ f = A' + B' + ABC' \]

END OF PAPER
GANPAT UNIVERSITY
B.C.A. Sem-I CBCS Regular Theory Nov - Dec 2018
U31B5LCS: LANGUAGE AND COMMUNICATION SKILLS-I

MAXM TIME: 3 HRS
MAXM MARKS: 60

Instructions: (1) This question paper has two sections. Attempt both in separate answer books. (2) Figures to the right indicate marks. (3) Be precise and to the point in answering the descriptive questions.

SECTION: I

Q.1 Attempt any Six of the following questions. (30)

(1) Define the term Communication. How can it be useful to a computer professional?
(2) Elucidate the process of communication with a diagram.
(3) How are Listening and Hearing different? Discuss all the modes of listening.
(4) Define Reading Comprehension. Explain any four techniques of effective reading.
(5) What are the tips to boost your speaking competence?
(6) Differentiate between Formal and Informal writing.
(7) Write a note on Oral Communication.
(8) “Sometimes actions convey more meaning than words do”- Justify the statement with reference to Non-Verbal communication.
(9) Enlist and explain Definite and Indefinite Articles with suitable examples.

SECTION: II

Q.2 What is Barrier? Discuss organizational barriers with apt examples. (08)

Q.2 How does language function as a tool of communication? Explain with examples.

Q.3 Fill in the blanks with appropriate forms. (08)

1. _______ church on the corner was built in Victorian Era. (the, a, an)
2. He is _______ university student. (a, an, the)
3. _______ ink in my pen is red. (a, an, the)
4. _______ he is willing to come, he won’t accept the invitation. (if, unless)
5. She _______ currently _______ an important issue. She can’t meet you. (to discuss)
6. Buses daily _______ from my house. (to pass)
7. The lift _______ yesterday. Today it’s fine. (to work)
8. She’s not walking properly. I think she _______ her leg. (to hurt)

Q.3 Fill in the blanks with appropriate alternative (08)

1. You should not _______. Fight till the end. (give away, give up)
2. She _______ her aged parents. (looks for, looks after)
3. You didn’t _______ in the party yesterday. Where were you? (show off, show up)
4. I know how to execute it. I will _______ this task _______. (pull up, pull off)
5. After doing some shopping, she _______ her way home. (made, took, got)
6. He was bitten by snake. The pain was _______ (strong, big, sharp)
7. They really _______ good progress in their business. (made, got, had)
8. I am _______ aware about the dangers of smoking. (totally, fully, completely)

Q.4 Elaborate the traits of an active listener with suitable examples. (07)

Q.4 Define Listening. Elaborate the types of listening with relevant examples.

Q.5 List out and discuss all 4 Cs of effective written communication.

Q.5 What is the significance of writing skill for both academicians and professionals? (07)

END OF PAPER