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

U31AILDP: LOGIC DEVELOPMENT WITH PROGRAMMING-I

Time: 3 Hours
Nov- Dec 2017
[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. Attempt any Six out of Nine:

(A) Define Algorithm. Explain different types of algorithm.
(B) Give the important features of C language.
(C) Explain Basic structure of “C Program”.
(D) Why and when do we use the #include directive & #define directive?
(E) Explain User-Defined DataType with example.
(F) List the categories (various types) of operators in ‘c’ language.
(G) If we forget to write break statement between two cases in switch statement, what will be its effect?
(H) What are the different types of loop structures?
(I) What will be the output of following code?

(i)

```c
for ( i=0 ; i<10 ; i++ )
{
    if ( i % 2 == 0 )
        printf(" i=%d j=%d \n",i,j);
}
```

(ii) x=10;

```c
while(x>5) {
    printf("%d\n",x);
    x--;
}
```
SECTION-II

2. Attempt Any One:
   (A) Define Flowchart. Explain different symbols used in flowchart.
   (B) Write an algorithm and draw the flowchart for exchanging the values of two variables using third variable.

3. Attempt Any One:
   (A) Define Datatypes. Explain primary datatypes in detail.
   (B) Define Variables? How can we declare a variable and assign the values into variables? Explain with example.

4. Attempt Any Two:
   (A) What is conditional operator? Write a small program using conditional operator.
   (B) What will be the output of following code?
      int b,a=5;
      a++;
      b=a++;
      b++;
      b= ++a;
      printf(" %d %d ", a,b);
   (C) What is the output of the program
      #include<stdio.h>
      int main()
      {
         int x = 10, y = 20, z = 5, i;
         i = x < y < z;
         printf("%d
", i);
         return 0;
      }

5. Attempt Any One:
   (A) Explain switch statement with example.
   (B) Explain if..else statement with example.

6. Attempt Any One:
   (A) Write the syntax of for loop. How it differs form while loop?
   (B) Give differences between while and do ... while loop.

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Enrollment No.

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

U31A2OAT OFFICE AUTOMATION TOOLS

Nov- Dec 2017

[Total Marks: 60]

Time: 3 Hours

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) 30)
   (A) Write a short note on: MS. Paint
   (B) What is Window? Explain the anatomy of it with figure.
   (C) What is Word-processing? Explain the Features of it.
   (D) What is Computer virus? Explain the type of Computer Virus in detail.
   (E) List out Statistical Function and explain any five with example.
   (F) What is Excel? Explain the features of it.
   (G) What is Power point? Explain different ways of creating presentation.
   (H) Write a short note on: Notepad
   (I) What is Header and Footer? How it insert different in different pages.

SECTION-II

2. Answer the following: (Any Two) 8)
   (A) What is Batch file? Explain with suitable example.
   (B) What is Internal command? Explain any two Commands.
   (C) Explain Copy and Echo command.

3. Answer the following: (Any One) 7)
   (A) What is Mail merge? Explain the concept of it with all necessary steps.
   (B) What is Macro? Explain it in detail.

4. Answer the following:
   Explain Custom animation in details.
   OR
   How we can protect our PC from Virus.

5. (A) Answer the following: (Any Two) 8)
   (I) Explain any three Math function?
   (II) What is Chart? Explain any two chart in detail.
   (III) What is Pivot table? Explain with example?

END OF PAPER
GANPAT UNIVERSITY
B.C.A. SEM-I EXAMINATION (CBCS)
U32A3BWP: BASIC WEB PROGRAMING-1

Time: 3 Hours

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)

A. Explain the concept of <TABLE> with its attribute and example.

B. Explain Order list and Unordered list with example.

C. Explain the Concept of Switch Statement with example.

D. What is Internet? Explain any two Types with advantage and disadvantage.

E. Explain Search Engine and HTTP in brief.

F. Explain <frame> and <frame set> with example.

G. Explain the following tag with example.
   - (1) <SUP>
   - (2) <B>
   - (3) <H1>

H. Explain Arithmetic Operator with Example.

J. What is Email? Explain protocol of it in brief.
SECTION-II

2. (A) Answer the following: (Any One)
   I) Short note: Intranet and Extranet.
   II) Explain web browser and ISP in brief.

3. (A) Answer the following: (Any One)
   I) Explain <Marquee> with its all attribute and Example in brief.
   II) What is HTML? Explain the structure of it in detail.
   (B) Do as directed.
       ________ is extension of html file
       ________ tag is used for break row.
       ________ Tag is used for Bold text.

4. I. Answer the following: (Any One)
   A. What is CSS? Explain CSS with one example.
   B. Explain <FORM> with example.
   II. What is External CSS?

5. Answer the following: (Any One)
   A. Explain if...Else statement with example.
   B. Explain for loop and while loop with example.

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

U31A4COA: COMPUTER ORGANIZATION & ARCHITECTURE
Time: 3 Hours
Nov- Dec 2017
[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] (30)

(A) Explain Alphanumeric codes in details.
(B) Add 4612 and 2316 in BCD code.
(C) Add 39 to 37 using Excess-3 code.
(D) Explain CPU with its diagram.
(E) Explain Memory systems for microcomputer in details.
(F) Explain different Addressing Techniques in brief.
(G) What are logic gates? Explain any two Gates in brief.
(H) Discuss Half Adder and Full Adder with its diagram.
(I) What is conversion? Explain Decimal to Binary conversion with suitable example

SECTION-II

2. Do as Directed. [Any Four] (8)

(A) (42.537)_{10} \rightarrow ( )_{8}
(B) 1010011 +1101111 (Binary Addition)
(C) (111011.1010101)_{2} \rightarrow ( )_{16}
(D) (10100110.0111011)_{2} \rightarrow ( )_{8}
(E) (532.37)_{8} \rightarrow ( )_{16}

3. (A) Attempt the following. [Any One] (5)

1) Explain Excess-3 (XS3) code with its rules and example.
2) Explain Checksum Method in detail.

(B) Convert Gray code 1001001 to Binary code. (2)

4. Answer the following. [Any One] (7)

1) Explain History of Microprocessor.
2) Explain Data Bus and Address Bus in brief.

5. (A) Answer the following. [Any One] (5)

1) Explain Universal gates in brief.
2) Proof Demorgan’s first theorems.

(B) Simplify following Boolean expression using K-Map. (3)

\[ f = \overline{AB} + AB \]

END OF PAPER
GANPAT UNIVERSITY
B.C.A SEM-1 CBCS Regular Examination – NOV-DEC - 2017
U31B5LCS: LANGUAGE & 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 on right indicate marks.
(3) Be precise and to the point in answering the descriptive questions.

SECTION: I

Q.1 Answer the following questions. (Any 5) (30)

1. Explain the process of communication with diagram.
2. Explain the detail audio & video conferencing.
3. Explain in detail meaning of compound word with three examples.
4. What is Verbal communication? Explain with examples.
5. Explain formal and informal types of communication.
6. Why is digital mode of communication important today?
7. Explain the meaning of reference letter.

SECTION: II

Q.2 (A) Write any two words with prefix “un”.
OR
(B) Give antonyms for any two of the following: 1) Rich 2) Active 3) upgrade

Q.3 Explain Non-Verbal communication in detail.
OR
Explain 5C’s of effective communication.

Q.4 Explain different types of digital applications of communication in detail.
OR
What is the importance of information & technology in business communication?

Q.5 Write a leave application to your boss for five days giving a valid reason.

Q.6 Write in detail the nature and characteristic of the postmaster.

END OF PAPER