Enrollment No. ______________________

GANPAT UNIVERSITY
B.C.A. SEM-I EXAMINATION (CBCS) — MAY 2013

SUBJECT CODE: U31A1LDP
SUBJECT NAME: LOGIC DEVELOPMENT WITH PROGRAMING-I

Time: 3 Hours] [Total Marks: 70

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 Five out of Eight) (35)
   A Write Basic structure of C program and explain with example.
   B Write an algorithm for check the given number is odd or even
   C What is constant? Write different types of constant in C with example.
   D Write down syntax of else if ladder and explain with example.
   E Which is choice statement? Explain with syntax and example.
   F How does program design relate to program efficiency? Write down the steps for coding program.
   G What is formatted input and formatted output? explain with appropriate example.
   H What is operator precedence? Write down precedence of operator. How to use mathematical and increment/decrement operator simultaneously?

SECTION-II

2. Answer the following:
   A Draw a flow chart of checking the given number is prime or not.

3. Answer the following:
   A What is variable? How to declare variable in C? Describe rules and scope of variable declaration.
   B What is data type? State different types of data types supported by C with example.

4. Answer the following:
   A Explain the use of (? :) operator and goto statement with example.
Find error and give proper explanation.

I) main();
    
    {
        int a,n;
        printf("enter a: ");
        scanf("%f", &a)
    }

II) for(i=0;i<10;i++)
    {
        printf("%d", i);
    }

III) #<stdio.h>
    Main(int f, float);
    {
        
        getch()
    }

IV) Explain while loop with proper example and syntax.

5. Answer the following:
   A Distinguish between syntax error and runtime error.
   B What is testing? Why testing is required? list out different types of testing process.

6. Write down syntax of for loop and explain with example.
Enrollment No.___________

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

U31A3FAT: FINANCIAL ACCOUNTING WITH TALLY

Time: 3 Hours] [Total Marks: 70

- MAY 2013

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

Q-1 Answer the Following. (Any Five out of Eight ) (35)

1. Explain the Branches of Accounting in detail.

2. What is Accounting? Explain the three type of Account with its rules of Debit and Credit.


4. Classify the following accounts in to personal, real and nominal A/c.
   a) Purchases A/c    d) Mr. Jayesh A/c
   b) Stock A/c        e) Interest A/c
   c) ICICI Bank A/c

5. Explain the Errors which are not affecting trial Balance in Detail.

6. Discuss the Advantages of Tally Accounting software.

7. From the following transactions prepare journal entries.
   2012
   March 1 Started business with cash Rs. 6000, furniture Rs. 15000, creditors Rs.10000, debtors Rs.7000.
   March 5 Purchase Typewriter from Sales India Rs. 55000.
   March 12 Sold Goods Rs. 20000.
   March 15 Paid Rs. 15000 for Advertisement By UBI Cheque.
   March 16 Transfer Rs. 5000 from SBI Bank A/c to ICICI Bank A/c

8. What is Ratio Analysis? Give the formula of Creditors Ratio, Return on Capital Employed and Net Profit Ratio.
SECTION-II

Q-2 From the following balances prepare the trial balance of as on 31/03/2012. (10)

<table>
<thead>
<tr>
<th>Name of the Accounts</th>
<th>Rs.</th>
<th>Name of the Accounts</th>
<th>Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchases</td>
<td>193000</td>
<td>Debtor</td>
<td>40000</td>
</tr>
<tr>
<td>Sales</td>
<td>274400</td>
<td>Interest on Investment</td>
<td>1000</td>
</tr>
<tr>
<td>Return Inward</td>
<td>2600</td>
<td>Commission Received</td>
<td>6300</td>
</tr>
<tr>
<td>Return Outward</td>
<td>4400</td>
<td>Bank Overdraft</td>
<td>40000</td>
</tr>
<tr>
<td>Opening Stock</td>
<td>80000</td>
<td>Salary</td>
<td>6000</td>
</tr>
<tr>
<td>Capital</td>
<td>90000</td>
<td>Carriage Inward</td>
<td>4000</td>
</tr>
<tr>
<td>Creditors</td>
<td>48000</td>
<td>Carriage Outward</td>
<td>20000</td>
</tr>
<tr>
<td>Drawings</td>
<td>10000</td>
<td>Interest on Bank OD</td>
<td>2000</td>
</tr>
<tr>
<td>Buildings</td>
<td>60000</td>
<td>Bad Debt Reserve</td>
<td>1500</td>
</tr>
<tr>
<td>Furniture</td>
<td>16000</td>
<td>10% Investments</td>
<td>32000</td>
</tr>
</tbody>
</table>

Q-3 From the following trial balance of Mr. Dinesh as on 31st March 2012, prepare (09)
Trading a/c, Profit & Loss a/c and Balance sheet.

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Rs.</th>
<th>Particulars</th>
<th>Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purchases</td>
<td>106000</td>
<td>Sales</td>
<td>207300</td>
</tr>
<tr>
<td>Furniture</td>
<td>5000</td>
<td>Return Outward</td>
<td>2100</td>
</tr>
<tr>
<td>Machinery</td>
<td>50000</td>
<td>Creditors</td>
<td>9600</td>
</tr>
<tr>
<td>Land &amp; Building</td>
<td>35000</td>
<td>Capital</td>
<td>60000</td>
</tr>
<tr>
<td>Opening stock</td>
<td>15500</td>
<td>Loan from Harshad @ 10% from 1-10-2011</td>
<td>30000</td>
</tr>
<tr>
<td>Freight</td>
<td>2800</td>
<td>Discount</td>
<td>1200</td>
</tr>
<tr>
<td>Wages</td>
<td>26000</td>
<td>Carriage Outward</td>
<td>4000</td>
</tr>
<tr>
<td>Stationary</td>
<td>1300</td>
<td>Bad Debts</td>
<td>600</td>
</tr>
<tr>
<td>Postage</td>
<td>1400</td>
<td>Cash in hand</td>
<td>100</td>
</tr>
<tr>
<td>Rent</td>
<td>3000</td>
<td>Cash at bank</td>
<td>6400</td>
</tr>
<tr>
<td>General Expenses</td>
<td>2500</td>
<td>Sales Returns</td>
<td>5100</td>
</tr>
<tr>
<td>Salaries</td>
<td>11000</td>
<td>Interest on Patel loan</td>
<td>1000</td>
</tr>
<tr>
<td>Repairs</td>
<td>3500</td>
<td>Debtors</td>
<td>30000</td>
</tr>
</tbody>
</table>

The following are the adjustments:
1) The value of closing stock is Rs. 13000 and its market value is Rs. 13500.
2) Wages Rs. 4000 have not yet been paid.
3) Depreciate land and building @ 10%, machinery @ 5% p.a.
4) Calculate interest on capital @ 10%.
Q-4 Explain Advantages of Ratio Analysis.  

OR

Q-4 From the following Information, Calculate.  
(1) Gross Profit Ratio (2) Current Ratio (3) Debtors Ratio  

Trading and Profit & Loss A/c

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Rs.</th>
<th>Particulars</th>
<th>Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Opening Stock</td>
<td>150000</td>
<td>By sales</td>
<td>900000</td>
</tr>
<tr>
<td>To purchases</td>
<td>510000</td>
<td>By closing stock</td>
<td>210000</td>
</tr>
<tr>
<td>To Wages</td>
<td>90000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gross Profit</td>
<td>360000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1110000</td>
<td>By Gross profit</td>
<td>360000</td>
</tr>
<tr>
<td>To office expenses</td>
<td>60000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To Selling expenses</td>
<td>45000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To financial expenses</td>
<td>30000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To Net profit</td>
<td>225000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>360000</td>
<td></td>
<td>360000</td>
</tr>
</tbody>
</table>

Balance Sheet

<table>
<thead>
<tr>
<th>Liabilities</th>
<th>Rs.</th>
<th>Assets</th>
<th>Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equity Share capital</td>
<td>600000</td>
<td>Fixed Assets</td>
<td>630000</td>
</tr>
<tr>
<td>Preferences share capital</td>
<td>300000</td>
<td>Investments</td>
<td>90000</td>
</tr>
<tr>
<td>Creditors</td>
<td>9000</td>
<td>Stock</td>
<td>210000</td>
</tr>
<tr>
<td>Bills Payable</td>
<td>6000</td>
<td>Debtors</td>
<td>90000</td>
</tr>
<tr>
<td>Bank Overdraft</td>
<td>30000</td>
<td>Cash and Bank</td>
<td>60000</td>
</tr>
<tr>
<td></td>
<td>1080000</td>
<td></td>
<td>1080000</td>
</tr>
</tbody>
</table>

Q-5 From the following information calculate  
(1) The Break Even Sales (Rs).  
(2) Margin of safety.  
(3) The sales to earn a profit of Rs.50000.  
(4) The new break even point if selling price increased by 10%.  

At present sales (Rs.10 per unit)  
Fixed Cost  
Variable cost Rs. 6 per Unit

OR

Q-5. A Explain different types of vouchers with reference to Tally Accounting software.  

B What is Marginal Costing? And also give the Limitation of Marginal Costing.  

End of the paper
GANPAT UNIVERSITY
B.C.A. SEMESTER-I EXAMINATION
U31A20AT: OFFICE AUTOMATION TOOLS

Enrollment No.______

MAY 2013

[Total Marks: 70

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 Five] (35)
   (A) What is Batch-file? Explain it with example.
   (B) What is Word processing? Explain its feature in detail.
   (C) Define Window? Explain the Anatomy of window?
   (D) What is Power point? Explain the different views of it.
   (E) Explain the type of computer virus in detail.
   (F) What is spreadsheet? Explain the advantage of it.
   (G) Explain any four database function.
   (H) Write a short note: I) WordPad II) control panel.

2. Explain the Features which are not available in QBasic in Detail.

3. Define the Advantage of Payroll Accounting software.

4. Prepare the following transactions prepare journal entries:
   - March 1: Sold business with cash Rs. 6000, invoices Rs. 15000,
   - March 7: Purchase Typewriter from Sales lady Rs. 35000,
   - March 12: Sold Goods Rs. 20000,
   - March 15: Paid Rs. 15000 for Advertisement by UBI Cheque,
   - March 19: Transfer Rs. 5000 from UBI Bank A/c to ICICI Bank A/c

5. What is Ratio Analysis? Give the formula of Creditors Ratio, Return on Capital Employed and Net Profit Ratio.

(P.T.O)
2. (A) Explain any DOS commands. [Any Four]  
   (i) Copy  (ii) Delete  (iii) Copy con
   (iv) Disk copy  (v) Rename  (vi) Type

2. (B) Write down the difference [Any One]  
   (i) CUI v/s GUI.
   (ii) Internal commands v/s External Commands

3. Answer the following. [Any One]  
   (1) What is Mail Merge? Write down all steps for it.
   (2) Define the term:(i) Checking spelling & grammar
       (ii) Autocorrect (iii) Auto text (iv) Auto complete

4. Answer the following. [Any One]  
   (1) How can we protect our PC from Virus?
   (2) Write down the short note on slide transition and custom animation?

5. Answer the following. [Any Two]  
   (1) What is Chart in Excel? Explain any three type of chart.
   (2) Explain any three math function with example.
   (3) Define Excel and explain it’s feature in brief.

-----X-END OF PAPER--X-----
Enrollment No.________________

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

U31A4COA: COMPUTER ORGANIZATION & ARCHITECTURE

Time: 3 Hours]  [Total Marks: 70

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 Five)  (35)
   (A) Define types of number systems. Explain Hexadecimal Number system in detail.
   (B) Explain memory systems for microcomputer in details.
   (C) Explain parity method with suitable example.
   (D) Add 150 and 550 in BCD code).
   (E) What is a Logic gate? Explain Universal gates in brief.
   (F) Discuss 2’s complement adder subtractor with its diagram.
   (G) Prove De Morgan’s theorems.
   (H) Define Addressing technique. Explain any three addressing techniques.
SECTION-II

2. Do as Directed : (Any Five) (10)
   (A) \((945)_{10} \rightarrow (\_\_)_{16}\)
   (B) \((10100101)_{2} \rightarrow (\_\_)_{10}\)
   (C) \((1E4)_{16} \rightarrow (\_\_)_{10}\)
   (D) \((1000110.0110111)_{2} \rightarrow (\_\_)_{16}\)
   (E) \((11111.010101)_{2} \rightarrow (\_\_)_{8}\)
   (F) \((46.6A)_{16} \rightarrow (\_\_)_{2}\)
   (G) Binary Multiplication : \(1010011 \times 101\)

3. (A) Answer the following: (Any One) (5)
   (1) Add using 2's complement of \(-20\) and \(26\)
   (2) Explain Alphanumeric code.
   (B) Convert Gray to binary code : \(10110111011\) (2)

4. Answer the following: (Any Two) (8)
   (A) Explain Data bus and Address bus in detail.
   (B) Explain Microcontroller in brief.
   (C) Explain CPU with diagram.

5. Answer the following: (Any Two) (10)
   (A) Explain Full Adder
   (B) Explain Basic Gates.
   (C) Simplify following Boolean expression using K-Map.

\[ F = \overline{ABC} + BC\overline{D} + \overline{A}BC\overline{D} + ABC \]
GANPAT UNIVERSITY
B.C.A. SEM-I EXAMINATION (CBCS)

U31B5LCS: Language & Communication Skills - I

Time: 3 Hours

Total Marks: 70

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

Q.1 Answer the following: (Any 5)

(1) Discuss one way process of communication with diagram.
(2) Discuss physical and language barriers to communication.
(3) Write a note on the modern media of communication.
(4) Discuss Active Vs Passive and Global Vs Local Listening
(5) Write a note on the importance of communication.
(6) Draft a letter of resignation from the post of a programmer in TCL Technologies Ltd.
(7) Discuss various reading strategies.
(8) Discuss Visual and auditory symbols as means of nonverbal communication.
SECTION-II

Q.2 Answer the following:
   (A) Fill in the blanks with appropriate option (Any 3)
       (1) We find _____ on the leaves of grass (Dew, Due)  (3)
       (2) Teachers should be _____ in giving marks. (Fare, Fair)
       (3) British _____ has ended in India in 1947. (Rain, Reign)
       (4) Mumbai is bigger _____ Rajkot. (Than, Then)
   (B) Make any three words out of the any of the prefixes given below
       ‘Un’, ‘Ir’, ‘Non’, ‘Pre’, ‘Mis’  (3)

Q.3 Answer the following:
   (A) Fill in the blanks with the appropriate verb forms: (Any 3)
       (1) Gulliver’s Travels _____ liked by everybody. (Am, Is, Are)
       (2) Look, the birds_____ in the sky (Fly)
       (3) Horse and Carriage _____ waiting at door. (Am, Is, Are)
       (4) Titanic_______ in 1912 (sink)
   (B) Explain the following parts of speech with appropriate examples (Any 2)
       Adverb, Adjective, Noun, verb

Q.4 Answer the following questions( Any 1)
   (1) Discuss oral and written communication in detail.
   (2) Discuss socio-psychological barriers to communication in detail.

Q.5 Answer the following:
   (A) Write an application for the post of a programmer in Satyam
       Computer, Mumbai.
       OR
   (A) Write Letters on the following:
       (1) Write a letter of calling for an interview on behalf of HR
           Manager, Wipro Ltd.
       (2) You are a programmer in Avast Technologies and you are
           planning to go on leave for seven days. Write a to the section
           in charge

Q.6 Write short note on the following(Any 1)
   (1) Discuss different reading strategies in brief.
   (2) Discuss characteristics of an effective speech in brief.

END OF PAPER