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

U31A1LDP: LOGIC DEVELOPMENT WITH PROGRAMMING-I
Remedial Nov - Dec 2016

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)

(A) Explain Basic Structure of C language.

(B) Explain Different data types available in C.

(C) List out all the operators available in C. Explain arithmetic and logical operator in detail.

(D) Explain nested if statement with example.

(E) Write a algorithm for finding reverse number of given numbers.

(F) Draw a flow chart to display factorial of given number.

(G) What is automatic type conversion? Explain in detail.

(H) Explain Do..while() loop with example.

(35)
SECTION-II

2. (A) Answer the following: (Any One) (4)
   (I) Draw a flow chart to exchange the value of two variables. (2)
   (II) Write a algorithm to display the sum of first n natural numbers.
   (B) What is flow chart? Give the different symbol of flow chart.

3. Answer the following: (Any One) (6)
   (I) What is variable? Explain rules for naming a variable.
   (II) What is a constant? Explain C constants in detail.

4. (A) Answer the following: (Any One) (5)
   (I) Explain conditional operator with example.
   (II) Explain Increment and decrement operators in detail
   (B) What is sizeof() operator? (2)

5. Answer the following: (Any Two) (8)
   (I) Explain else if ladder with example.
   (II) Explain Switch statement with example.
   (III) Write a C program to check given no is prime or not.

6. Answer the following: (Any Two) (8)
   (I) Write a C program to display Fibonacci series.
   (II) Explain for loop with example.
   (III) Explain break and continue statements in loop.

END OF PAPER
GANPAT UNIVERSITY
B.C.A. SEM-I EXAMINATION (CBCS)
U31A3FAT: FINANCIAL ACCOUNTING WITH TALLY

Enrollment No. __________________________

Time: 3 Hours
Remedial Nov - Dec 2016
[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) Discuss the Advantage of Accounting Ratio.
   c) Explain the Branches of Accounting.
   d) List out different types of adjustments and explain any four with example.
   e) Write difference between Cash Discount and Trade Discount.
   f) Explain the errors which are not affecting to the trial balance in detail.
   g) Explain advantages of computerized accounting system.
   h) From the following transactions prepare journal entries.

   2015
   Feb-1    Started business with cash Rs. 5,00,000.
   Feb-3    Purchase goods from Ms. kamini Rs.20,000.
   Feb-5    Purchase furniture of Rs. 15,000 with cash.
   Feb-7    Paid Rent Rs. 14,000.
   Feb-9    Place an order for purchasing good of Rs.38,000.
   Feb-12   Received Interest of Rs. 5500.
   Feb-15   Sold goods to Ms. Pina Rs.12,000.
   Feb-27   Paid Life insurance premium of Rs. 8,000.
SECTION-II

Q:2 (A) From the following balances prepare the Trial Balance of Ms. Geeta as on 31-03-2015:

<table>
<thead>
<tr>
<th>Name of the A/c</th>
<th>Rs.</th>
<th>Name of the A/c</th>
<th>Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital A/c</td>
<td>40000</td>
<td>Creditors</td>
<td>18000</td>
</tr>
<tr>
<td>Drawings A/c</td>
<td>4000</td>
<td>Salaries</td>
<td>1400</td>
</tr>
<tr>
<td>Bank A/c</td>
<td>18200</td>
<td>Stationary Exp. A/c</td>
<td>700</td>
</tr>
<tr>
<td>Cash A/c</td>
<td>11400</td>
<td>Purchase</td>
<td>25000</td>
</tr>
<tr>
<td>Furniture A/c</td>
<td>16000</td>
<td>Sales</td>
<td>55800</td>
</tr>
<tr>
<td>Rent Received A/c</td>
<td>1600</td>
<td>Wages</td>
<td>1300</td>
</tr>
<tr>
<td>Debtors</td>
<td>36000</td>
<td>Freight and Octroi</td>
<td>1400</td>
</tr>
</tbody>
</table>

OR


Q:3 (B) Explain the Profit & Loss Account with example.

OR

From the following Trial Balance Prepare Trading A/c, Profit & Loss A/c for the year ending 31-3-2015 and Balance sheet as on that date.

<table>
<thead>
<tr>
<th>Particulars</th>
<th>Rs.</th>
<th>Particulars</th>
<th>Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drawings</td>
<td>20,000</td>
<td>Capital Account</td>
<td>2,00,000</td>
</tr>
<tr>
<td>Opening Account</td>
<td>2,92,000</td>
<td>Sales</td>
<td>4,00,000</td>
</tr>
<tr>
<td>Purchase</td>
<td>2,46,400</td>
<td>Purchase Return</td>
<td>6,000</td>
</tr>
<tr>
<td>Bad Debts</td>
<td>15,800</td>
<td>Discount Received</td>
<td>1,000</td>
</tr>
<tr>
<td>Sales Return</td>
<td>3,800</td>
<td>Creditors</td>
<td>88,000</td>
</tr>
<tr>
<td>Railway Freight &amp; Wages</td>
<td>6,000</td>
<td>Bank overdraft</td>
<td>1,34,000</td>
</tr>
<tr>
<td>Salary</td>
<td>40,200</td>
<td>Bills Payable</td>
<td>2,000</td>
</tr>
<tr>
<td>Debtors</td>
<td>76,000</td>
<td>Commission</td>
<td>1,200</td>
</tr>
<tr>
<td>Furniture</td>
<td>15,200</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor Car</td>
<td>50,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rent &amp; Taxes</td>
<td>28,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carriage Inward</td>
<td>1,400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carriage Outward</td>
<td>1,600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bills Receivable</td>
<td>1,400</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash on hand</td>
<td>2,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Postage and Telegram Stationary</td>
<td>31,800</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>8,32,200</td>
<td><strong>Total</strong></td>
<td>8,32,200</td>
</tr>
</tbody>
</table>

Adjustment:-
1. Closing stock is Rs. 2, 63,000.
2. Outstanding Salary Rs.1,000
3. Commission Received in advance Rs.200
Q:4  Explain Limitation of Ratio Analysis.  

OR

Q:4  From the following information calculate.  
1) Net Profit Ratio  2) Debtors Ratio 3) Gross Profit Ratio

From the following information calculate.

<table>
<thead>
<tr>
<th>Balance Sheet</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Particulars</td>
<td>Rs.</td>
<td>Particulars</td>
</tr>
<tr>
<td>Capital</td>
<td>1,00,000</td>
<td>Building</td>
</tr>
<tr>
<td>Reserves</td>
<td>90,000</td>
<td>Plant &amp;Machinery</td>
</tr>
<tr>
<td>Debentures</td>
<td>1,00,000</td>
<td>Stock</td>
</tr>
<tr>
<td>Creditors</td>
<td>40,000</td>
<td>Debtors</td>
</tr>
<tr>
<td>Bill Payable</td>
<td>20,000</td>
<td>Cash</td>
</tr>
<tr>
<td>----------------</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>3,50,000</td>
<td></td>
</tr>
</tbody>
</table>

Additional Information

Sales: 3,65,000
Gross Profit: 90,000
Net Profit: 58,000
Opening Stock: 45,000

Q:5  Answer the following.

From the following information
(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)  Rs.100000
Fixed cost  Rs.30000
Variable cost Rs.6 Per Unit

OR

Q:5  A) Explain the features of Tally Accounting Software.
B) Explain limitation of Marginal Costing.

END OF PAPER
GANPAT UNIVERSITY

B.C.A SEM-I (OLD) CBCS EXAMINATION

U31A4COA: COMPUTER ORGANIZATION & ARCHITECTURE

Time: 3 Hours] Remedial Nov - Dec 2016 [Total Marks: 70

Instructions:
1. Figures to the right indicate full marks
2. Each section should be written in a separate answer book
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SECTION-I

Answer the Following, [Any Five] (35)

(A) Explain Alphanumeric codes in details.
(B) Add 243 and 56 in BCD code.
(C) Explain Excess-3 (XS3) code with its rules and example.
(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.
SECTIONS-II

2. Do as Directed. [Any Five]
   (A) (34.459)_{10} \rightarrow (\_ \_ )_{8}
   (B) (54.31)_{8} \rightarrow (\_ \_ )_{16}
   (C) (532.37)_{10} \rightarrow (\_ \_ )_{16}
   (D) (11011.010101)_{2} \rightarrow (\_ \_ )_{16}
   (E) (520)_{8} \rightarrow (\_ \_ )_{2}
   (F) (100010110.011011)_{2} \rightarrow (\_ \_ )_{8}
   (G) 110011 + 101111 (Binary Addition)

3. (A) Attempt the following. [Any One]
   (1) Add 53 to 23 using Excess-3 code.
   (2) Explain Checksum Method in detail.
   (B) Convert Gray code 1101011 to Binary code.

4. Answer the following. [Any Two]
   (1) Explain Logical Instructions with example.
   (2) What is Interrupt? How the interrupt is handled?
   (3) Explain any two System Bus in brief.

5. (A) Answer the following. [Any One]
   (1) Explain Universal gates in brief.
   (2) Prove De Morgan's theorem: \( A + B = A \cdot B \)
   (B) Simplify following Boolean expression using K-Map.
      \[ f = AB + AB \]

END OF PAPER