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

U31A1LDP: LOGIC DEVELOPMENT WITH PROGRAMMING-I

Time: 3 Hours] Nov - Dec 2016 [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) What is a constant? Explain constants in detail.
(B) What is flow chart? Give all the symbols of flow chart.
(C) Explain Basic Structure of C program.
(D) Give the difference between while and do...while loop.
(E) Write an algorithm to print Fibonacci series up to given no.
(F) Explain else if ladder with example.
(G) Write a c program to check given no if prime or not.
(H) Explain increment and decrement operators with example.
(I) What is variable? How can we declare and initialize variable?
SECTION-II

2. Answer the following: (Any One)
   (A) Write an algorithm to print sum of first N even nos.
   (B) Draw a flow chart to display reverse of given numbers.

3. Answer the following: (Any One)
   (A) Explain primary data types available in C language.
   (B) Write a short note on symbolic constants.

4. Answer the following: (Any One)
   (A) Explain arithmetic operators with example.
   (B) Explain implicit type conversion in detail.

5. Answer the following: (Any One)
   (A) Explain switch statement with example.
   (B) Explain conditional operators with example.

6. Answer the following: (Any One)
   (A) Explain for loop with example.
   (B) Write a c program to display multiplication table of given number.

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

U31A2OAT: OFFICE AUTOMATION TOOLS

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) Explain internal dos commands.
(B) Discuss page formatting and Bullets & Numbering.
(C) Discuss Mail Merge.
(D) Discuss Creating a Presentation, PowerPoint view and Formatting slides.
(E) Discuss Statistical functions in excel.
(F) Discuss Math functions in excel.
(G) Discuss Goal Seek in excel.
(H) Discuss move and copy, Find and Replace Text & Spell Check in MSWord.
(I) Discuss antivirus in details.

SECTION-II

2. Answer the following: (Any One) (8)

(i) Explain File & Directory and Batch file in details.
   Discuss notepad and WordPad.
(ii)

3. Answer the following: (Any One) (7)

(i) Discuss Formatting Text, Paragraph, border and shading in MS Word.
   Discuss Format painter, Header and Footer in MS Word.
(ii)

4. Answer the following: (Any One) (7)

(i) Discuss Slide transition & adding special effects and Inserting pictures in power point.
   Discuss virus in details.
(ii)

5. Answer the following: (Any one) (8)

(i) Discuss Conditional Formatting and Filtering in excel.
(ii) Discuss Pivot table in excel.

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

U31A3FAT: FINANCIAL ACCOUNTING WITH TALLY

Time: 3 Hours]  (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) Write a short note on Branches of Accounting in detail.
(B) Give the Difference between Trial balance and Balance sheet.
(C) Explain types of Account with rules of Debit and Credit with example.
(D) Give the names of account affected with the following transactions and also state the account to be debited or credited in each transaction.
   I. Prisha started business with cash Rs. 10,000.
   II. Sold goods to Dhairya Rs. 3,000 for cash.
   III. Opened a Bank Account and paid Rs. 5000 in it.
   IV. Paid salary to Mr. Parth Rs. 20,000.
   V. Purchased Stationary Rs. 50
(E) Define Rectification of errors in accounting. List out types of errors.
(F) From the following transactions for the month of April 2015, prepare journal entries:

<table>
<thead>
<tr>
<th>Date</th>
<th>Transactions</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>02.04.2015</td>
<td>Shri Parth started his business with</td>
<td>50,000</td>
</tr>
<tr>
<td>03.04.2015</td>
<td>Purchased Goods from Dhairya</td>
<td>5,000</td>
</tr>
<tr>
<td>04.04.2015</td>
<td>Sold goods to prisha</td>
<td>1,000</td>
</tr>
<tr>
<td>05.04.2015</td>
<td>Deposited into bank</td>
<td>10,000</td>
</tr>
<tr>
<td>06.04.2015</td>
<td>Paid Dhairya by cheque</td>
<td>5,000</td>
</tr>
</tbody>
</table>

(G) Give the difference between Trade Discount and Cash Discount.
(H) Define Ratio analysis. Explain advantages of Ration Analysis.
(I) Define Tally. Give the advantages of Tally.

[P.T.O.]
2. Attempt Any One:
(A) Explain Methods of Accounting.
(B) Prepare Trial balance of Mr. Parth’s business as on date 31/12/2012
from following balances:

<table>
<thead>
<tr>
<th>Balances</th>
<th>Rs.</th>
<th>Balances</th>
<th>Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Assets</td>
<td>3,00,000</td>
<td>Opening Stock</td>
<td>75,000</td>
</tr>
<tr>
<td>Debtors</td>
<td>2,05,000</td>
<td>Bills Receivables</td>
<td>10,000</td>
</tr>
<tr>
<td>12% Investment</td>
<td>50,000</td>
<td>Cash in hand</td>
<td>5,000</td>
</tr>
<tr>
<td>Cash at bank</td>
<td>10,000</td>
<td>Drawings</td>
<td>10,000</td>
</tr>
<tr>
<td>Purchases</td>
<td>5,25,000</td>
<td>Sales Return</td>
<td>10,000</td>
</tr>
<tr>
<td>Carriage Inwards</td>
<td>5,000</td>
<td>Carriage Outwards</td>
<td>2,000</td>
</tr>
<tr>
<td>Rent</td>
<td>3,000</td>
<td>Insurance</td>
<td>3,600</td>
</tr>
<tr>
<td>Office &amp; Administrative expenses</td>
<td>13,200</td>
<td>Discount allowed</td>
<td>2,000</td>
</tr>
<tr>
<td>Bad debts</td>
<td>5,000</td>
<td>Interest</td>
<td>2,500</td>
</tr>
<tr>
<td>Selling &amp; Distribution Expenses</td>
<td>15,800</td>
<td>Creditors</td>
<td>1,00,000</td>
</tr>
<tr>
<td>Bills Payable</td>
<td>5,600</td>
<td>Loan from bank</td>
<td>4,000</td>
</tr>
<tr>
<td>Capital A/C</td>
<td>5,00,000</td>
<td>Sales</td>
<td>6,30,000</td>
</tr>
<tr>
<td>Purchase Returns</td>
<td>5,000</td>
<td>Discount earned</td>
<td>1,000</td>
</tr>
<tr>
<td>Bad debts Recovered</td>
<td>3,500</td>
<td>Interest</td>
<td>3,000</td>
</tr>
</tbody>
</table>

3. Attempt Any One:
(A) Explain Trading A/c and Balance sheet.
(B) From the following trial balance of Mr. Chetankumar as on 31st March 2016, prepare Trading a/c, Profit & Loss a/c and Balance sheet.

<table>
<thead>
<tr>
<th>Debit Balances</th>
<th>Rs.</th>
<th>Credit Balances</th>
<th>Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Furniture</td>
<td>20,000</td>
<td>Capital</td>
<td>1,00,000</td>
</tr>
<tr>
<td>Purchases</td>
<td>1,50,000</td>
<td>Interest earned</td>
<td>4,000</td>
</tr>
<tr>
<td>Debtors</td>
<td>2,00,000</td>
<td>Sales</td>
<td>3,21,000</td>
</tr>
<tr>
<td>Salaries</td>
<td>30,000</td>
<td>Purchase return</td>
<td>5,000</td>
</tr>
<tr>
<td>Wages</td>
<td>20,000</td>
<td>Creditors</td>
<td>1,20,000</td>
</tr>
<tr>
<td>Rent</td>
<td>15,000</td>
<td>Provision for Bed Debts</td>
<td>6,000</td>
</tr>
<tr>
<td>Bed Debt Written Off</td>
<td>7,000</td>
<td>Provision for depreciation</td>
<td>2,000</td>
</tr>
<tr>
<td>Drawings</td>
<td>24,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Printing &amp; Stationary</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insurance</td>
<td>12,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Opening stock</td>
<td>50,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Office expenses</td>
<td>12,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sales return</td>
<td>10,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>5,58,000</td>
<td><strong>Total</strong></td>
<td>5,58,000</td>
</tr>
</tbody>
</table>

Additional Information:
1) Depreciate furniture by 10% on original cost.
2) A provision for Doubtful Debts is to be created to the extent of 5% on sundry Debtors.
3) Salaries for the month of March, 2016 amounting to Rs. 3,000 were unpaid which must be provided for. However, salaries included Rs. 2,000 paid in advance.
4) Insurance amounting to Rs. 2,000 is prepaid.
6) Stock used for private purpose Rs. 15,000
7) closing stock Rs. 60,000

**Attempt Any One:**

(A) Information from Trading a/c and profit & loss a/c of Mr. Dhairy’s business:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening Stock</td>
<td>30,000</td>
</tr>
<tr>
<td>Sales</td>
<td>1,50,000</td>
</tr>
<tr>
<td>Less: Cost of goods sold</td>
<td>90,000</td>
</tr>
<tr>
<td>Gross profit</td>
<td>60,000</td>
</tr>
<tr>
<td>Less: Operating expenses</td>
<td>25,000</td>
</tr>
<tr>
<td>Net Profit</td>
<td>35,000</td>
</tr>
</tbody>
</table>

Balance sheet of Mr. Dhairy as on Day 31-12-2010:

<table>
<thead>
<tr>
<th>C &amp; L</th>
<th>Amount</th>
<th>Assets</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital</td>
<td>2,00,000</td>
<td>Fixed assets</td>
<td>2,00,000</td>
</tr>
<tr>
<td>General Reserve</td>
<td>10,000</td>
<td>Debtors</td>
<td>27,000</td>
</tr>
<tr>
<td>Creditors</td>
<td>30,000</td>
<td>Bills receivable</td>
<td>8,000</td>
</tr>
<tr>
<td>Bills payable</td>
<td>25,000</td>
<td>Closing stock</td>
<td>20,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cash &amp; Bank</td>
<td>10,000</td>
</tr>
<tr>
<td>Total</td>
<td>2,65,000</td>
<td>Total</td>
<td>2,65,000</td>
</tr>
</tbody>
</table>

Calculate following Ratio using above information:

i) Net profit Ratio  
ii) Stock turnover Ratio
iii) Current Ratio  
iv) Debtor’s Ratio

(B) From the following information, calculate: 

(i) Current Ratio  
(ii) Gross Profit Ratio  
(iii) Stock turnover Ratio  
(iv) Net Profit Ratio

**Trading & Profit & loss Account**

<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>1,50,000</td>
<td>By Sales</td>
<td>9,00,000</td>
</tr>
<tr>
<td>To Purchase</td>
<td>5,10,000</td>
<td>By Closing Stock</td>
<td>2,10,000</td>
</tr>
<tr>
<td>To Wages</td>
<td>90,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To Gross Profit</td>
<td>3,60,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>11,10,000</td>
<td>Total</td>
<td>11,10,000</td>
</tr>
<tr>
<td>To office expenses</td>
<td>6,00,000</td>
<td>By Gross Profit</td>
<td>3,60,000</td>
</tr>
<tr>
<td>To selling expenses</td>
<td>3,00,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To financial expenses</td>
<td>60,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To Net Profit</td>
<td>30,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>3,60,000</td>
<td>Total</td>
<td>3,60,000</td>
</tr>
</tbody>
</table>

**Balance Sheet**

<table>
<thead>
<tr>
<th>Liabilities</th>
<th>Amount</th>
<th>Assets</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equity share Capital</td>
<td>6,00,000</td>
<td>Fixed assets</td>
<td>6,30,000</td>
</tr>
<tr>
<td>General Reserve</td>
<td>3,00,000</td>
<td>Stock</td>
<td>2,10,000</td>
</tr>
<tr>
<td>Creditors</td>
<td>90,000</td>
<td>Debtors</td>
<td>90,000</td>
</tr>
<tr>
<td>Bills payable</td>
<td>60,000</td>
<td>Investment</td>
<td>90,000</td>
</tr>
<tr>
<td>Bank Overdraft</td>
<td>30,000</td>
<td>Cash &amp; Bank</td>
<td>60,000</td>
</tr>
<tr>
<td>Total</td>
<td>10,80,000</td>
<td>Total</td>
<td>10,80,000</td>
</tr>
</tbody>
</table>

**Attempt Any One:**

(A) What are the types of Tally ERP 9 vouchers? Also give the shortcut for creating these vouchers?

(B) What are the features included into Tally ERP 9?

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

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

U31A4COA: COMPUTER ORGANIZATION & ARCHITECTURE

Time: 3 Hours] Nov - Dec 2016 [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)
   (A) Define Types of Number System. Explain Hexadecimal number system in details.
   (B) Explain Excess-3 Code with example.
   (C) Add -20 and 26 using 2’s Complement in 8 bits form.
   (D) Do as Directed: (i) \((427)_{10} = (?)_{16}\) (ii) \((B2CD)_{16} = (?)_{8}\)
   (E) Do as Directed: (i) \((101100101)_{\text{Gray}} = (?)_{2}\) (ii) \((1001011)_{2} = (?)_{\text{Gray}}\)
   (F) Explain the difference between Microprocessor and Microcontroller.
   (G) Explain in details: Random Access Memory (RAM)
   (H) Prove: De’Morgan’s Theorem.
   (I) What is logic gates? Explain fundamental logic gates in brief.
SECTION-II

2. Answer the following: (Any Four)
   (i) \((80.75)_10=(?)_2\)
   (ii) \((2354)_{16}=(?)_{10}\)
   (iii) \((39D)_{16}=(?)_{10}\)
   (iv) \((110101101)_{2}+(000110101)_{2}\)
   (v) \((11011101)_{2}/(101)_{2}\)

3. (A) Answer the following: (Any Two)
   (i) Explain Hamming Code with example.
   (ii) Add 6347 and 4192 in BCD (8421) Code.
   (iii) Add 35 and 53 in Excess-3 (XS-3) Code.

   (B) Write the Full name of “EBCDIC”.

4. (A) Answer the following: (Any Two)
   (i) Explain Read Only Memory (ROM) in details.
   (ii) Explain Microcomputer bus types.
   (iii) Explain the history of Microprocessor.

   (B) Write the Full name of “EEPROM”.

5. Answer the following: (Any Two)
   (i) Explain the difference between Half Adder and Full Adder.
   (ii) Simplify the Boolean Expression using K-Map.
   \[ f = \bar{A}\bar{B} + \bar{A}\bar{D} + \bar{A}\bar{D} + ACD + AC\bar{D} \]
   (iii) Explain: X-OR Gate.

END OF PAPER
Enrollment No.

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

U31B5LCS: LANGUAGE AND COMMUNICATION SKILLS-I
Nov - Dec 2016

[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

Q-1. Answer the following questions in brief: (Any 6) (30)

(1) What is facial expression? Explain in brief by proving examples.
(2) Discuss Gesture as an important form of non verbal communication.
(3) How does color communicate? Discuss.
(4) Explain graphs and maps as non-verbal communication.
(5) Write a note on SMS as modern media of communication.
(6) Write short notes on internet.
(7) Write a letter to the manager of your company requesting him for the leaves of a week.
(8) Describe the character of Rosemary Fell in brief from ‘A cup of Tea’.
(9) Depict in short- the character of Pakhom, his greed and his tragic end.
SECTION-II

Q-2. Do as directed (Any 2)
   (1) Give antonyms of : Corruption , Fresh
   (2) Give synonyms of : Bring, Battle
   (3) Give suffix of : Great, Regular
   (4) Give prefix of : National, Happy

Q-3 Answer the following questions in brief : (Any 1)
   (1) What is communication? Explain the cycle of communication by drawing the diagram.
   (2) What is verbal communication? Discuss the advantages and disadvantages of oral communication.

Q-4 Answer the following questions : (Any 1)
   (1) Explain the ‘Telex’ in brief
   (2) Email, a widely used media of communication. Explain

Q-5. Answer the following question: (Any 1)
   (1) Write a letter of resignation from the post of a junior programmer at E info Pvt. Ltd. Ahmedabad
   (2) Write an application for the post of a senior programmer at Webnet Technology, Pune

Q-6. Answer the following questions in very short : (Any 3)
   (1) Who was Rosemary Fell?
   (2) Why did Rosemary send the girl away?
   (3) Who was Ratan and what did she do for the post master?
   (4) How much land did Pakhom receive in the end?

END OF PAPER