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

U31AILDP: LOGIC DEVELOPMENT WITH PROGRAMMING-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) What is Algorithm? Discuss Sequence Method with example.
   (B) Explain gets(), puts(), getchar(), and putchar() functions.
   (C) Discuss basic structure of 'C' language.
   (D) Write a short note on constants.
   (E) What is difference between Operators and Operands? Discuss logical Operators with example.
   (F) Explain Else _ _ _ _ _ _ if ladder with example.
   (G) What is looping? Discuss while loop with example.
   (H) Write a 'C' program to find sum of natural numbers between 1 to 100.

SECTION-II

2. What is Flow-Chart? Discuss Symbol of Flow-Chart. (06)
3. Answer the following: (Any One) (06)
   (A) What is the use of Data Type? Explain basic Data Types.
   (B) What is Variable? Discuss naming rules for Variable.
4. Answer the following: (Any One) (07)
   (A) Discuss Increment-Decrement and Relational Operators with example.
   (B) Write a short note on Arithmetic and Ternary Operators.
5. What is the use of switch statement in 'C' language? Explain with proper example. (08)
6. Answer the following: (Any Two) (08)
   (A) Explain goto statement with example.
   (B) Discuss for loop with example.
   (C) Write a 'C' program to find factorial of given number.
GANPAT UNIVERSITY
B.C.A. SEM.- I EXAMINATION
U31A20AT: OFFICE AUTOMATION TOOLS

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) What is Batch file? Explain concept of it with example.
(B) What is virus? Explain type of virus in detail
(C) What is word-processing? Explain features of it.
(D) What is power point? Explain views of it with figure.
(E) Explain any four statistical functions.
(F) What is window? Explain anatomy of window with figure.
(G) What is mail merge? Explain steps of it with figure.
(H) Explain pivot table in detail.

2013

Nov. 1: Zapaq has commenced a business with cash Rs. 31,000, furniture Rs. 3,000, stock of goods Rs. 2,500 and a debt of Rs. 10,000 from Om of Rs.

Nov. 2: Bought Rs. 14,000 in Bank of India.

Nov. 3: Goods of Rs. 20,000 were purchased from Supreti Traders.

Nov. 4: Paid his banking balance of Rs. 19,000.

Nov. 5: Bought Rs. 1,000 material in cash.

END OF PAPER

1 of 2
SECTION-II

2. Answer the following: (Any Two) (10)
   (A) Explain any four command with example
       1) Copy con  2) Prompt  3) Copy  4) Delete  5) Edit
   (B) Write a short note: WordPad
   (C) Explain Attrub command with its all option in detail.

3. Answer the following: (Any Two) (08)
   (A) Explain advantage of word in Brief.
   (B) Explain terms:
       1) Spelling and Grammar  2) Header and Footer
   (C) Write a short note on template and wizard.

4. Answer the following: (Any One) (05)
   (A) How can we protect our system from virus?
   (B) Short note On: Custom Animation and Slide Transition.

5. Answer the following: (Any Two) (12)
   (A) What is chart? Explain any three type of it with figure.
   (B) Explain any four functions.
       1) ABS()  2) DSUM()  3) INT()  4) MOD()  5) DMAX()
   (C) What is Excel? Explain the features of it.

END OF PAPER
GANPAT UNIVERSITY
B.C.A. Examination, November-December 2013
B.C.A. Semester I (CBCS)

Time: 3 Hours U31A3FAT: Financial Accounting with Tally Total Marks: 70

Instructions:
1. Figures to the right indicate marks of each question.
2. Give necessary working notes in the support of your answer.
3. Use of simple calculator is allowed.

Q1
Answer the following the questions (any five)

1. Enlighten the term “Accounting” along with its advantages in brief. (35)
2. Explain the golden rules of debit & credit with appropriate illustrations of each rule.
3. Distinguish between single entry & double entry book-keeping system. (at least 4 points)
4. How trail balance is different from balance sheet? (at least 4 points)
6. Discuss the basic limitations associated with the use of marginal costing system.
7. Define the term “Tally” with its basic features as one of the accounting software.
8. What are the pros of computerized accounting system as compared to manual accounting system?

Q2
Write the journal entries (with narration) from the following transactions of Jaydeep & Co. for the month of November, 2013:

2013
Nov. 1 Jaydeep has commenced a business with cash Rs. 35,000, furniture Rs. 5,000, stock of goods Rs. 6,000 and a loan of Rs. 10,000 from Dutt at 8%.
Nov. 2 Deposited Rs. 16,000 in State Bank of India.
Nov. 3 Goods of Rs. 5,000 were purchased from Soniya Traders.
Nov. 4 Paid life insurance premium of Rs. 300.
Nov. 5 Brokerage of Rs. 1,000 received in cash.

Q3
From the following trail balance as on 31st March, 1999 of Shri Jayantilal Patel and the adjustments given below, prepare Trading A/C, P. & L. A/C for the year ending 31-03-1999 and a Balance sheet as on that date:

Page 1 of 3
## Trial Balance of Shri Jayantilal Patel as on 31st March, 1999

<table>
<thead>
<tr>
<th>Debit Balances</th>
<th>Rs.</th>
<th>Credit Balances</th>
<th>Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stock (1-4-1998)</td>
<td>10,000</td>
<td>Loan taken from Shri Parikh</td>
<td>15,000</td>
</tr>
<tr>
<td>Purchase less returns</td>
<td>49,000</td>
<td>Capital</td>
<td>50,000</td>
</tr>
<tr>
<td>Wages</td>
<td>15,000</td>
<td>Sundry creditors</td>
<td>20,000</td>
</tr>
<tr>
<td>Loan given</td>
<td>20,000</td>
<td>Sales</td>
<td>1,28,600</td>
</tr>
<tr>
<td>General expenses</td>
<td>900</td>
<td>Interest received</td>
<td>2,800</td>
</tr>
<tr>
<td>Discount allowed</td>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sundry debtors</td>
<td>22,700</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rent &amp; taxes</td>
<td>1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salary</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drawings</td>
<td>6,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Land &amp; building</td>
<td>56,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plant &amp; machinery</td>
<td>15,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Furniture &amp; fixtures</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bank balance</td>
<td>2,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash balance</td>
<td>300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sales return</td>
<td>2,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2,16,400</td>
<td></td>
<td>2,16,400</td>
</tr>
</tbody>
</table>

**Adjustments:**

1. Stock on 31-03-1999 is Rs. 9,800.
2. Commission due but not received Rs. 400.
3. Salary Rs. 200 and wages Rs. 300 are still unpaid.
4. Interest on loan at 15% is unpaid for the whole year.
5. Prepaid rent Rs. 100.
6. Interest received in advance Rs. 800.

Q4 From the financial statement pertaining Vaishvi Co. Ltd., appraise the financial position of the company by computing the below mentioned accounting ratios:

1. Current ratio
2. Net profit ratio
3. Debt-equity ratio
4. Return on total assets
Cash 80,000
Sundry debtors 2,00,000
Temporary investments 1,60,000
Stock 10,80,000
Prepaid expenses 6,000
Total current assets 15,26,000
Total assets 32,00,000
Current liabilities 4,00,000
Loans 8,00,000
Capital 10,00,000
Retained earnings 4,06,000

Profitability Statement
Sales 20,00,000
Less: Cost of goods sold 14,00,000
Gross profit 6,00,000
Less: Interest 80,000
Profit before tax (PBT) 5,20,000
Less: Taxes @ 50% 2,60,000
Profit after taxes (PAT) 2,60,000
Profit distributed 1,10,000

Q5 (A)  Krishna Plastic Co. makes plastic buckets. An analysis of their accounting reveals:

✓ Variable cost per bucket: Rs. 20
✓ Fixed cost: Rs. 50,000 for the year
✓ Capacity: 2,000 buckets per year
✓ Selling price per bucket: Rs. 70

Required:
1. Find the break-even point in unit and in Rs.
2. Find the number of buckets to be sold to get a profit of Rs. 30,000.

Q5 (B)  Elucidate various types of vouchers with regards to Tally as an Accounting Software.

END OF PAPER
GANPAT UNIVERSITY
B.C.A. SEM-I EXAMINATION (CBCS)
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 out of Eight) (35)
   (1) Explain Octal number system.
   (2) Explain simple method of Multiplication with example.
   (3) Explain Alphanumeric codes.
   (4) Explain Error Detection codes.
   (5) Explain Microcontroller application.
   (6) Explain Addressing Mode.
   (7) State and Prove the De 'Morgan’s Theorems.
   (8) Explain 2’s Complement Adder subtract

SECTION-II

2. Answer the following: [Any Two] 10
   (1) Add -60 and +50 using 1’S complement for 8 bits.
   (2) \((1111)_2 \times (1010)_2\) using simple methods.
   (3) \(11101/10\) using simple method.

3. Answer the following: [Any One] 07
   (1) Explain Error Correction Code.
   (2) (1) Add 425 and 621 using BCD Addition Method.
       (2) Explain Gray code with example in brief.

4. Answer the following: [Any Two] 08
   (1) Explain Microcomputer bus types.
   (2) Explain Interrupts in brief.
   (3) Explain Arithmetic Instructions.

5. Answer the following: [Any Two] 10
   (1) Explain K-Map with example.
   (2) Explain Basic Gates.
   (3) Explain Half Adder.

END OF PAPER
GANPAT UNIVERSITY
BCA 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

1. Answer the following: (Any Five) (35)

[B] Discuss Status Block, Resistance to Change, Closed Mind, Group Identification, Selective Perception as socio-psychological barriers to communication.
[C] Write a note on ‘teleconferencing’ as modern medias to communication.
[D] Discuss types of listening.
[E] Introduce the term communication with appropriate definition and explain.
[F] Write a note verbal communication.
[G] Discuss Verb, Preposition and Interjection as parts of speech.
[H] As the Programmer working in Suraj Technologies write a leave application letter to the programming section in charge.
SECTION-II

2. Do as directed:

[A] Fill in the blanks selecting appropriate options given in the brackets. (Any Three)
1) Cricket match between India and Australia has been postponed ____ to heavy rain. (Due, Dew)
2) We must ____ price of goods so that common person can purchase. (Lessen, Lesson)
3) I want a ____ of paper to write his phone number (Peace, Piece)
4) I will have to find out ____ it is true or false. (Whether, Weather)

[B] Write words starting with Prefixes un, non, mis, mid, anti. One word for any three of the listed prefixes. 03

3. Do as directed: (08)

[A] Fill in the blanks with appropriate forms of verbs: (Any Four)
1) Swami and friends ____ great children classic. (Am, is, are)
2) Horse and carriage ____ waiting at door. (Am, is, are)
3) Manthan or suraj ____ present on the place. (Was, Were)
4) 10 kilometers ____ a great distance. (Am, is, are)
5) Each of the students ____ good learner. (Am, is, are)

[B] Identify the parts of speech represented by underlined words: (Any Four)

1) He has pronounced the word quite correctly. (Verb, Preposition, Adverb)

2) Pathetic! Nobody is ready to help poor. (Conjunction, Interjection, Preposition)

3) Ahmedabad and Surat are big cities of Gujarat. (Adjective, Adverb, Conjunction)

4) I have a book on my table. (Noun, Preposition, Interjection)

5) They are like light house for our society. (Noun, Pronoun, Adverb)
4. Answer the following: (Any One)  
   [A] Discuss visual symbols as means of non-verbal communication.  
   [B] Write a note on cross cultural barriers to communication.

5. Answer the following:  
   [A] Write an application for the post of manager in Suraj Infrastructure Ltd.  
   [B] Write a letter on the following:  
       1) As the director of Innovative Technologies write a Retirement Letter to Mr. Mahesh Chaudhary Programming section in charge.  
       2) To the editor of Indian Express regarding loud speaker disturbance in your city.

6. Answer the following: (Any One)  
   1) SQ3R Technique of Reading  
   2) Types of listening

END OF PAPER