THE TEXTILE ASSOCIATION (INDIA)
A.T.A. PART I NEW 3 YEARS EXAMINATION – 2016

PAPER – A1.5

ELEMENTS OF COMPUTER AND ITS APPLICATIONS

Date: 27.12.2016  
Marks: 100  
Time: 10.00 am to 1.00 pm

Instructions:
1. Attempt six questions out of which Q.1 is compulsory.
2. Answer each next main question on new page.
3. Figure to the right indicate full marks.
4. Illustrate your answer with sketches and flow chart whenever necessary.
5. Use of non-programmable electronic pocket calculator permissible.
6. Mobile and any other communication devices are not allowed in exam hall.
7. Assume suitable data wherever necessary.

Q1

A. Explain the following conversion with example. Answer all the questions.
   i. Binary to Decimal
   ii. Hexadecimal to Binary

B. Write short note on: (a) ASCII code (b) Excess 3 code

C. Discuss in detail about the Encoder

D. Name any two view options available in PowerPoint

E. Write a program in C to find the area and perimeter of a circle.

Q2.

A. Explain the two way selection (if, else, nested if-else, cascaded if else) in C language with syntax.

B. Pressing Ctrl+Alt+Del to restart the system
   Yes/No.

C. What is function? Write a C program to find cube of a Number using function?

D. Ramesh Ahuja wants to store data of his monthly expenditure over the last financial year. Which of the Office application is most suitable for this purpose?

Q3. Explain the below

A. In brief different types of conditional formatting in MS-EXCEL

B. Write the steps to copy a text in one file to another file.

C. Explain the array of pointers with example.

Q4

A. How will you create a new folder on desk top?

B. How Can you change the desktop wallpaper?

C. What is the difference between moving and copying a file?

D. What happens to files you have dropped in the Recycle Bin?
Q5.

A. What is gutter margin?

B. What is sequential Logic circuit? Give an example. Sequential

C. Landscape is in MS Word is

D. Typeface option will come under which menu?

E. MS OFFICE Is Application Software
   i. True ii. False

F. What is a portion of a document in which you set certain page formatting options

G. Name the tool used for finding synonyms and antonyms in Word.

Q6.

A. Which is the widely used word processing software in computers?
   A) Ms-word B) Ms-power point C) Ms-excel D) Ms-access

B. 1. Ms excel is used for creating

C. Ms-power point is a ________ language

D. The combination of row and column is called _____________

E. Typeface option will come under which menu?

F. Background color on a document is not visible in?

G. A) Print Preview B) Web layout view C) Print Layout view D.) Reading View

Q7.

A. Draw the gate circuit of RS flip flop and obtain its truth table.

Q8.

A. Write formulas for the operations (i) - (iv) based on the spreadsheet given below along with the relevant cell address:

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<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
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<td>Computers</td>
<td>Total</td>
<td>Average</td>
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</tr>
</tbody>
</table>

a) To calculate the Total Marks as sum of Science, Maths & Computers for each student and display them in column F.
b) To calculate the average marks for each student and display them in column G.
c) To calculate the highest marks in Computers and display it in cell E7.
d) To calculate the total number of students appearing for the Science test and display it in cell C8.

a) In cell F2 enter the formula = C2 + D2 + E2. Now copy this formula to cells F3, F4, F5 and F6.
b) In cell G2 enter the formula = AVERAGE (C2:E2). Now copy this formula to cells G3, G4, G5 and G6.
c) In cell E7 enter the formula = MAX(E2:E6)
d) In cell C8 enter the formula = COUNT(C2:C6) or enter the formula = COUNTA(B2:B6)

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B What is function parameter? Explain different types of parameters in C functions.

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