THE TEXTILE ASSOCIATION (INDIA)
G.M.T.A. (REVISED) EXAMINATION – 2014
SECTION – C  PAPER- C.5
DATA MANGEMENT & INFORMATION SYSTEMS

Date: 28.12.2014  Marks: 100  Time: 10 am to 1 pm
Instructions: 1. Attempt six questions out of which Q1 is compulsory
2. Answer each next question on new page
3. Figure to the right indicate full marks
4. Illustrate your answers with sketches and flow chart wherever 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
Answer the following in relation to Visual Basic
i. What is menu? [3]
ii. Write steps to create a menu in visual basic. [5]
iii. Explain how to popup a menu. [2]
iv. Write short notes on application of ERP in textiles. [10]

Q2
i. Explain in brief the different types of variables [10]
ii. Explain any 6 functions used in MS-EXCEL [6]

Q3
i. Explain in brief ActiveX controls. Give an example. [10]
ii. Rewrite the given block of code in Visual Basic using the select case statement

```
    IF K = 0
        C = A * B
    ENDIF
    ELSEIF (K >= 1) OR (K <= 10) THEN
        C = A / B
    ELSEIF (K = 11) OR (K = 12) THEN
        C = A - B
    ELSE
        C = A + B
    ENDIF
```

[5]

Q4
i. Explain the three decision and branching syntax in visual basic [10]
ii. Write short notes on data types in Visual Basic. [10]

Q5
i. Write short notes on textile quality control through digital imaging [8]
ii. Briefly explain online quality monitoring in ring frame [3]
Q6 i. Explain in brief the principle of strain gauge transducers [8]
   ii. Write in brief about the modern hairiness tester [8]
Q7 i. Explain "Procedure" and "Function" with an example in context of VB [10]
Q8 i. What are the different applications of micro processors in textile industry [10]
   ii. Write in brief about modern evenness tester [9]