THE TEXTILE ASSOCIATION (INDIA)
A.T.A. PART-I EXAMINATION-2020
PAPER – A 1.5
ELEMENTS OF COMPUTER AND ITS APPLICATIONS

Date: 28.12.2020
Marks: 100
Time: 10.00 am to 01.00 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 indicates 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

Q.1 State 'True' or 'False'

i. Your e-mail address must be unique. 2
ii. CPU controls only input data of the computer. 2
iii. MS Power point is a hardware. 2
iv. CPU controls only output data of the computer. 2
v. The language understood by the microprocessor is called assembly language. 2
vi. A machine cycle is the time it takes a microprocessor to fetch and execute a complete instruction. 2
vii. Machine language is independent of the type of microprocessor in a computer system. 2
viii. You cannot preview a message before you print it 2
ix. You can only print one copy of a selected message. 2
x. You cannot edit Contact forms 2

Q.2 Answer the following

i. Differentiate between RAM & ROM. 6
ii. Explain Advantage of top down approach. 5
iii. Explain the features of computer. 5

Q.3 Answer the following

i. Write a program to find the given number is Armstrong or not. 8
ii. Write a program to check whether the entered year is a leap year or not. 8

Q.4 Answer the following (Any four)

i. What is the meaning of flowchart in computer science? Explain its importance 4
ii. What constant? Enlist different types of constant in C. 4
iii. Write an example of implicit function. 4
iv. How can we comment in C program?
Q.5 Answer the following
   i  How to use gets ( ) and put ( ) functions. Write its Syntax. 4
   ii Write a short note on arithmetic operators 4
   iii Write short note on single and multiple line comment. 4
   iv Write the use of break ( ) function? 4

Q.6 Answer the following
   i  What is library function? Discuss library function in ‘C’ programming. 4
   ii Differentiate between POP and OOPs. 4
   iii Write a program to check given no is even or odd. 4
   iv What is pointer? Explain it with a suitable example. 4

Q.7 Answer the following
   i  What is mail merge in MS Word? Explain the steps involved in mail merge. 3
   ii Write the full form of the following:
       1. JPG 4
       2. GIF
       3. FTP
       4. PDF
   iii Differentiate between System software and application software. 3
   iv What is memory? Explain different types of memory. 3
   v Explain EPROM 3

Q.8 Answer the following
   i Explain the following in MS-Excel: 4
       1. Formula for VLOOKUP
       2. Merge.
       3. Average.
       4. Sum
   ii Explain different types of browsers 4
   iii What is Ms. Word? State the advantages and disadvantages of windows. 4
   iv Explain three input devices. 4