THE TEXTILE ASSOCIATION (INDIA)
A.T.A. PART-I EXAMINATION-2019
PAPER – A 1.5
ELEMENTS OF COMPUTER AND ITS APPLICATIONS

Date 25.12.2019          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  The Hexadecimal number system contains digit from 1-15  2
ii Octal number system contains digit from 0-7  2
iii MS Word is a hardware  2
iv CPU controls only input data of the computer  2
v CPU stands for Central Performance Unit.  2
vi The language that the computer can understand is called machine language  2
vii Magnetic tape uses random access method  2
viii Twitter is an online social networking and blogging services  2
ix Worms and Trojan horses are easily detected and eliminated by antivirus software.  2
x Dot-matrix, Deskjet and laser are different types of printers  2

Q.2  Answer the following

i Differentiate between System software and Application software.  6
ii Explain different features of C.  5
iii Explain various generation of computer.  5

Q.3  Answer the following

i Write a program to find the factorial of a number.  8
ii Write a program to check whether the entered number is a prime or not.  8

Q.4  Answer the following(Any four)

i What is the meaning of algorithm in computer science? Explain its importance  4
ii What token? Enlist different types of tokens in C.  4
Write an example of Pseudo code.  
How can we comment in C program?  
What is global and local variable in language 'C'?  

Q.5 Answer the following  
i How to use print () and Scan () functions. Write its Syntax.  
ii Write a short note on relational operators  
iii Write short note on implicit and explicit type conversion.  
iv Write the use of gets () function?  

Q.6 Answer the following  
i What is library function? Discuss library function in ‘C’ programming.  
ii Differentiate between call by value and call by reference.  
iii Write a program to swap two numbers using pass by reference.  
iv What is array? Explain it with a suitable example.  

Q.7 Answer the following  
i What is mail merge in MS Word? Explain the steps involved in mail merge.  
ii Write the full form of the following:  
1. GUI  
2. DVD  
3. HTTP  
4. HTML  
iii Differentiate between hardware and software.  
iv What is memory? Explain different types of memory.  
v Explain Cache Memory  

Q.8 Answer the following  
i Explain the following in MS-Excel:  
1. The number of rows in a worksheet  
2. Formula’s in Excel.  
ii Explain different types of browsers  
iii What is Excel? State the advantages and disadvantages of Unix.  
iv Explain three output device  

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