Computer
First term of 2009/2010
Final Exam
Time: 2 hours

إمتحان التخطيف

# **Model Answer**

#### Question 1 [ 10 points]:

- 1.1 F; Basic language is an example of Application software
- 1.2 F; the Compiler is a translator system program used to translate a High-level language program into a Machine language program.
- 1.3 T
- 1.4 F; A computer is an electronic device capable of executing instructions based on algorithms stored in its memory.
- 1.5 F; Machine language is a program written using binary digits only

### Question 2 [12 points]:

- 2.1  $Z=(X^2+1)/Y+4*SQR(X^4+1)$
- 2.2 IF TAN(X-Y) = 0 THEN X = Y
- 2.3 FOR K = 10 TO 1000 STEP 5

$$Z(K) = (K + 1) ^ (1/7)$$

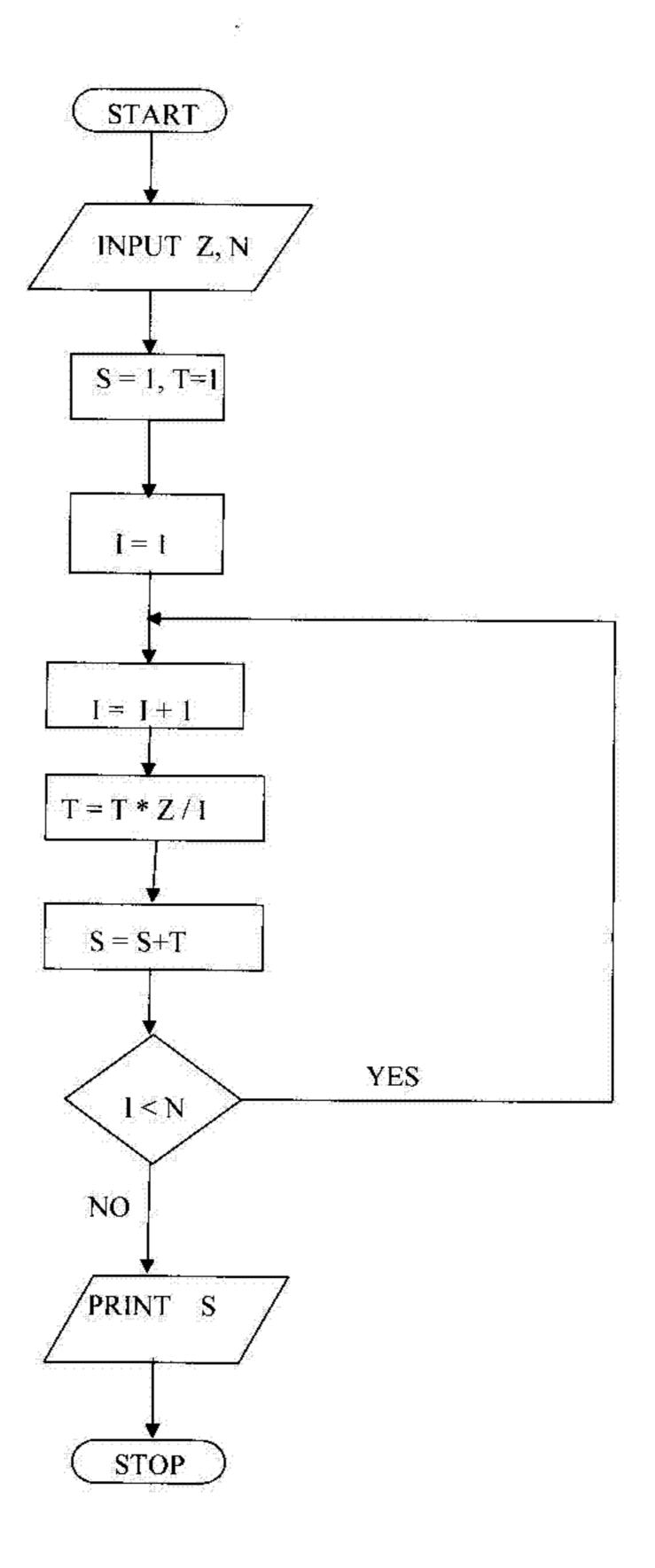
**NEXT K** 

 $2.4 \qquad \mathbf{SP} = \mathbf{AX} * \mathbf{BX} + \mathbf{AY} * \mathbf{BY}$ 

## Question 3 [ 12 points]:

$$(A = 5) OR (B \Leftrightarrow 1) OR NOT Y$$
3.1 \( \psi \) \( \psi

Question 4 [ 16 points]:



REM This program is used to compute expansion of EXP(Z) for first N terms. 10 INPUT "Enter values of Z, N "; Z; N 20 S = 130 T = 140 FOR I = 2 TO N-1 50 T = T \* Z / I60 S = S + T70 NEXT I 80 PRINT " EXP( "; Z; ")=", S 90 100 **END** 

## Question 5 [10 points]:

- 5.1 Search for the location of Number 2 in the given array.
- 5.2 The output of the program is 4.
- 5.3 Number 2 not included in the given array.

(Good Luck)

Dr. Eng. Waleed ahmed

مع دعواتي بالتفوق ......................... د.م/كارم محمود