Multiple choice questions:

(1) This statement is used to end the For loop:
   (a) Wend    (b) End    (c) Next

(2) A step statement is used for:
   (a) Increment    (b) Decrement    (c) Increment / Decrement

(3) The key(s) used to run a program in QBASIC:
   (a) f2    (b) Shift + F5    (c) F5

(4) This statement is used to end "if then else" statement:
   (a) end    (b) end if    (c) Both (a) and (b)

(5) This statement is used to assign values to a variable:
   (a) INPUT    (b) PRINT    (c) LET

(6) CLS stands for:
   (a) Clear Screen    (b) Clean Screen    (c) Both (a) and (b)

(7) Which of the following is a non executable statement:
   (a) INPUT    (b) PRINT    (c) REM

(8) QBASIC is a:
   (a) compiler    (b) high level programming language    (c) low level programming language

(9) The extension name for saving QBASIC file is:
   (a) .bas    (b) .qba    (c) .basic

(10) A=20 is a:
    (a) string constant    (b) Numeric constant    (c) variable and constant

Answer the following questions briefly:

(1) What is the default step value in the For Next loop?

(2) What is a loop?

(3) Name any two valid variable names.

Differentiate between:

(1) A constant and a variable

(2) Print and Input statement

Explain the use of following QBASIC statements with their syntax:

REM,  if then else.
5. Write programs in QBASIC:
   (1) To display "Global Warming" 10 times on screen using loops.
   (2) To display * 5 times vertically using loops.
   (3) To print sum of first 20 natural numbers.
   (4) To find average of 3 numbers entered by the user.
   (5) To find cube of a number.

6. Find the errors (if any) and encircle them. Write the correct code also.
   (1) FOR B$= 1 TO 5
       PRINT HELLO FRIENDS
       NEXT B$
   (2) FOR M = "START" TO "END"
       PRINT N
       NEXT M
   (3) CLS
       INPUT "ENTER A NUMBER"; NUM
       IF NUM<0
       PRINT "NUMBER IS POSITIVE"
       ELSE
       PRINT "NUMBER IS NEGATIVE"
       END

7. Give the output of the following programs:
   (1) FOR I= 1 TO 10 STEP 3
       PRINT I;
       NEXT I
   (2) LET A =5
       LET B=A
       LET C=(B*5)-8
       PRINT A
       PRINT B
       PRINT C
       END
   (3) LET A =19
       LET B= 5
       LET C=A+B
       LET D=C-A
       PRINT C
PRINT D
PRINT A-B
(4) LET Z=100
LET Z1= Z-50
LET Z2=Z-60
PRINT Z;Z1 ;Z2
(5) LET P=50
LET Q=P+30
PRINT P
PRINT Q

8. Complete the following programs:

(1) CLS
REM AREA OF RECTANGLE
LET L=6
LET B=7
AREA = ........................................
PRINT "AREA OF RECTANGLE IS "; ..........................

(2) REM TO DISPLAY SQUARE OF NUMBERS FROM 1 TO 50
FOR 1 = ............................ TO ..........................
PRINT 1^1
NEXT ........................................

9. WAP to display square of numbers from 1 to 20 in reverse order.

10. WAP to find largest of 3 numbers entered by the user.

12. WAP to print multiplication table of a number entered by the user.

12. WAP to accept age from the user and check whether person is eligible for voting or not.
    Note: if age is equal to or more than 18 then the person is eligible for voting.

13. WAP to input name, age and percentage from the user. If percentage is more than 85 then display "Scholarship" otherwise display "Better luck next time".