1. What is the evaluation order of foo() function within the expression given?
   a) before ||       b) not evaluated       c) after +
   d) after >=      e) before ~=       f) after ~=

2. The code piece given uses `isAsal` boolean function and calculates the number of prime numbers up to Nmax. How do you change the code to find number of prime numbers between two numbers given?
   a) replace `isAsal` with `isPrime`
   b) replace `N=N+1` with `N=N+2`
   c) use a code changer
   d) change `m=3:2:Nmax` into `m=Nmin:2:Nmax`
   e) refine using `N=N-Nmin`
   f) loop upto Nmin and use `N=N-1` in that afterwards

3. What is missing code in the function `FindMin3` that returns the smallest of 3 given numbers.
   a) `(x3<x1)&&(x3<x2)`
   b) `O=(x1>x2>x3);`
   c) `if(x3<x1)&&(x3<x2) O=x3;`
   d) `O=x3; end`
   e) `return;`
   f) `O=0; return;`

4. What is the intention of given statement?
   a) obtain fractional part of x
   b) Round x to nearest integer
   c) See if x is a stable number
   d) Calculate the type of rounding
   e) find out if x is a fractional number
   f) Perturb x around a whole number

5. What is the intended operation in the expression given?
   a) \( A = B^x + \frac{yC}{x} \)
   b) \( A = \frac{B^{x+C}}{xy} \)
   c) \( A = B^x + \frac{C}{xy} \)
   d) \( A = B^{\frac{x}{y}} \)
   e) \( A = B^{\frac{x+y}{y}} \)
   f) \( A = B^{\frac{x+y}{x}} \)

6. The function `bigone` is designed to return the biggest of two numbers but complains about an unassigned output argument. How would you correct the error?
   a) change `xm` to `mx`
   b) change `<` to `>`
   c) change `elseif` to `else`
   d) remove the last line
   e) change `bigone` to `begone`
   f) put `;` after end

7. What is the value of D after the statement?
   a) 0          b) 1          c) 2          d) 4          e) 3          f) 10

```
function O = FindMin3(x1, x2, x3)
if(x1<x2) && (x1<x3)  O = x1;
elseif(x2<x1) && (x2<x3) O = x2;
else
 O=x3; end
return;

function x_m=bigone(x1,x2)
if x1>x2 x_m=x1;
elseif x1<x2 x_m=x2; end;
end
```

No books, no notes, no cellphones and no calculators allowed. 50 minutes.
8. The code piece given displays the given output on the command window. What should be the code in the place marked with ## signs?
   a) k=0:3  
   b) i=33:-1:10  
   c) i=3:-1:k-3  
   d) i=3:-1:0  
   e) k=k-1:0  
   f) i=k:-1:0

9. The expression given can be used to determine whether or not the scalar x is a whole number. Which of the following can be used for the same purpose?
   a) fix(x)-round(x)  
   b) (floor(x)==ceil(x))  
   c) round(x)-x  
   d) (round(x)==x)  
   e) mod(x)  
   f) x=fix(x)

10. How would you correct the errors in the code piece given?
    a) remove all end; s  
    b) remove end; in the last line  
    c) put ; between ...y and z... in the first line  
    d) enclose logical expressions within ()  
    e) remove all end; s and change elseif to else if.  
    f) remove fi first two end; s

11. What is the final value of i ?
    a) 1  
    b) -0.5  
    c) -1  
    d) 0.5  
    e) 0  
    f) none of the others

12. What is the final value of i ?
    a) 0  
    b) 0.5  
    c) 0.6  
    d) 1.1  
    e) 1.6  
    f) 2.2

13. The code piece given is expected to display an angle-vs-sine table whose first few lines are shown. What is missing in the code?
    a) %f instead of %d must be used  
    b) aci instead of a must be used  
    c) a*pi/180 instead of a/180*pi must be used  
    d) disp instead of fprintf must be used  
    e) 0:10:90 instead of 0:5:90 must be used  
    f) code is correct

14. Determining if three points on x-y plane are collinear is easy. Just check the slopes of two lines out of possible three lines that pass through two of these three points, and see if these slopes are equal. The logical expression given is written for that purpose. What is wrong with it?
    a) *s are missing  
    b) nothing  
    c) abs is not a good choice  
    d) a ) is missing  
    e) 0.001 must be 0.0  
    f) calculation is wrong