

3. In Euler's method if h is small the method is
- (a) too slow (b) slow
(c) fast (d) too fast
4. The execution time for a program with a compiler is
- (a) very short (b) very long
(c) zero (d) infinite
5. Which one of the following is not a control statement?
- (a) GOTO (b) IF
(c) DO (d) STOP

Fill up the blanks :

6. To find the inverse of a matrix _____ method is used.
7. Lagrange's interpolation formula can be used for _____ intervals.
8. The equation $f_{xx} + 2f_{xy} + f_{yy} = 0$ is of the form of _____.
9. Windows is an _____.
10. There are _____ characters used in FORTRAN.

Match the following :

11. Iterative method (a) High level language
12. $y = ax^2 + bx + c$ (b) Self correcting
13. Runge Kutta method of second order (c) Non-executable statement
14. FORTRAN (d) Modified Euler's method
15. FORMAT STATEMENT (e) Parabola

Answer in 1 or 2 sentences :

16. State the merits of elimination method.
17. Explain the second and third order difference operator.
18. List the salient features and predictor correct method.
19. What is a flowchart?
20. What is an executable statement?