

SAMPLE QUESTIONS:

For questions 1 to 3, mark a on the opscan sheet if the statement is legal in Fortran; Otherwise mark b.

1. $X = X + 6$

2. $X + 6 = X$

3. $X = 10.0 / 4 + 5$

For questions 4 to 6 , select the value of the given Fortran expression. Note that a decimal point indicates a floating point result.

4. $12 / 3.0 + 5 / 2$

- a) 4.5 b) 6 c) 6.0 d) 6.5
e) Not legal f) None of the above

5. $10 / 3 * 9$

- a) 30 b) 27 c) 30.0 d) 0.37037
e) Not legal f) None of the above

6. $9.0 - 6.0 / 2.0 + 3.0$

- a) 9.0 b) 6.0 c) 4.5 d) 0.6
e) not legal f) None of the above

7. In the Fortran 90 language, the ampersand (&) is used as a

- _____.
- a) separator b) generator c) continuation character
d) None of them

For questions 8 to 10, mark a on the opscan sheet if the given variable name is valid in Fortran 90, Otherwise mark b.

8. annual_salary

9. 2nd_quarter_sales

10. G.P.A

For questions 11 and 12, select the correct Fortran arithmetic expression for the given algebraic expression.

11. x^{y+5}

- a) $x * y + 5$ b) $x ** (y + 5)$ c) $x ** y + 5$ d) $xy + 5$
e) None of the above

12. $ab^x + c^y + 3d$

- a) $a * b ** x + c ** y + 3 * d$ b) $a * b * x + c * y + 3d$
c) $ab ** x + c ** y + 3 * d$ d) $abx + cy + d*3$
e) None of them

For questions 13 to 15, assume the following input data for READ statements.

Cols: 12345678901234567890
21346.789128.567

```
INTEGER :: i, j
REAL :: x
READ (9,100) i, j, x
100 FORMAT(I2, I3, F6.2)
```

13. i

- a) 2 b) 21 c) 13 d) 1
e) None of them

14. j

- a) 345 b) 134 c) 213 d) 467
e) None of them

15) x

- a) 6.7890 b) 0.789 c) 0.78
d) None of them