1. **Matrices are conformable for multiplication when:**
2. Number of rows of 1st = Number of columns of 2nd
3. Number of Columns of 1st = Number of Row of 2nd
4. Number of rows of 1st = Number of rows of 2nd
5. Number of Column of 1st = Number of Column of 2nd
6. **If order of a matrix A is 3×2 and order of matrix B is 2×4 then order of AB will be:**
7. 2×2
8. 3×2
9. 3×4
10. 4×3
11. **In general matrix multiplication is:**
    1. Commutative
    2. Associative
    3. Both A & B
    4. Symmetric
12. **Given A= B= and C= find the following if exists:**
    1. AB
    2. BA
    3. CA
    4. BC
13. **From the matrices if the geometrical figures have following vertices.**
    1. A(0,0) B(5,2) C(-4,2)
    2. A(4,8) B(-7,4)
    3. A(0,0) B(0,4) C(4,4) D(0,4)
14. **If A= and B=, find AB=?**
15. **A.I=?**
16. 0
17. A
18. None
19. I

1. **=?**
2. **=?**
   1. None
3. **A.0=…………, A…………….0**
   1. None

**Q. Write True / False….**

* 1. Matrix multiplication is commutative in general. (T/F)
  2. In matrices = + (T/F)
  3. In general, matrix multiplication is associative (T/F)
  4. *I*= (T/F)
  5. A(B+C) AB+AC (T/F)

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For (a) Order is

A B

2×1 2×2

Not equal

For (b) Order is

B A

2×2 2×1

Equal, BA exists and has order 2×1

For (c) Order is

C A

1×2 2×1

equal , CA is possible and has the order 1×2

C= A=

For (d) Order is

B C

2×1 2×2

Not equal BC doesn’t exists.

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   3. A(0,0) B(0,4) C(4,4)
2. If A= and B=, find AB=?
3. A.I=?
4. 0
5. A
6. None
7. I

1. =?
2. =?
   1. None
3. A.0…………0, A…………….0
   1. None

**Q. Write True / False….**

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