



1. If $5^b = 3125$, find b

- (i) 5 (ii) 6 (iii) 4 (iv) 2 (v) 8

2. If $2^i = 8$, find 3^i

- (i) 25 (ii) 30 (iii) 26 (iv) 27 (v) 28

3. If $2^{(9d+4)} = 16^{(2d+6)}$, find d

- (i) 20 (ii) 21 (iii) 18 (iv) 19 (v) 23

4. If $3125^{2u} = 625^{(2u+1)}$, find u

- (i) 3 (ii) 1 (iii) 0 (iv) 4 (v) 2

5. If $9^{(p+2)} = 243^{12} = 3^q$, find q

- (i) 62 (ii) 60 (iii) 59 (iv) 61 (v) 57

6. If $3^m = 9$, find $3^{(m+3)}$

- (i) 242 (ii) 243 (iii) 244 (iv) 245 (v) 241

7. If $(9^2)^{420} = (9^4)^t$, find t

- (i) 209 (ii) 213 (iii) 210 (iv) 208 (v) 211

8. If $8 \times 2^t = 2^7$, find t

- (i) 4 (ii) 2 (iii) 6 (iv) 3 (v) 5

9. If $10^{(3c+1)} \div 100 = 10^{11}$, find c

- (i) 4 (ii) 1 (iii) 3 (iv) 5 (v) 6

10. $(g^{(-8)} + h^{(-8)})^0 =$

- (i) 3 (ii) (-1) (iii) $g^{(-8)} + h^{(-8)}$ (iv) 0 (v) 1

Assignment Key

1) (i)	2) (iv)	3) (i)	4) (v)	5) (ii)	6) (ii)
7) (iii)	8) (i)	9) (i)	10) (v)		