EduSahara™ Assignment

Name : Concepts

Chapter : Exponents

Grade : SSC Grade VII

1. The base in the term 4^7 is

   (i) -4 (ii) -7 (iii) 1 (iv) 4 (v) 7

2. The exponent in the term 6^5 is

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

3. The power in the term 3^9 is

   (i) -9 (ii) 6 (iii) 9 (iv) 3 (v) -3

4. The base in the term $\left(\frac{5}{3}\right)^4$ is

   (i) $\frac{5}{3}$ (ii) -4 (iii) 4 (iv) 1 (v) $\left(\frac{-5}{3}\right)$

5. The exponent in the term $\left(\frac{4}{3}\right)^8$ is

   (i) 8 (ii) $\left(\frac{-4}{3}\right)$ (iii) $\frac{4}{3}$ (iv) 5 (v) -8

6. The power in the term $\left(\frac{5}{2}\right)^7$ is

   (i) 7 (ii) 5 (iii) $\left(\frac{-5}{2}\right)$ (iv) -7 (v) $\frac{5}{2}$

7. The base in the term $\left(\frac{7}{3}\right)_4$ is

   (i) 1 (ii) $\frac{7}{3}$ (iii) 4 (iv) -4 (v) $\left(\frac{-7}{3}\right)$

8. The exponent in the term $\left(\frac{5}{2}\right)_6$ is

   (i) $\frac{3}{2}$ (ii) $\left(\frac{-5}{2}\right)$ (iii) $\frac{5}{2}$ (iv) -6 (v) 6

9. The power in the term $9^{(\frac{4}{3})}$ is

(i) -9 (ii) $(\frac{-4}{3})$ (iii) $\frac{2}{3}$ (iv) $\frac{4}{3}$ (v) 9

10. The base in the term $(\frac{3}{2})^{(7/4)}$ is

(i) $\frac{3}{2}$ (ii) $\frac{1}{2}$ (iii) $(\frac{-7}{4})$ (iv) $\frac{7}{4}$ (v) $(\frac{-3}{2})$

11. The exponent in the term $(\frac{8}{5})^{(16/5)}$ is

(i) $\frac{14}{5}$ (ii) $(\frac{-16}{5})$ (iii) $\frac{8}{5}$ (iv) $(\frac{-8}{5})$ (v) $3\frac{1}{5}$

12. The power in the term $(\frac{6}{5})^{(9/7)}$ is

(i) $\frac{9}{7}$ (ii) $(\frac{-9}{7})$ (iii) 1 (iv) $(\frac{-6}{5})$ (v) $\frac{6}{5}$

13. $f^2 =$

(i) f (ii) $-2 \times f \times f$ (iii) $f \times f \times f$ (iv) $f \times f$ (v) $3 \times f \times f$

14. $11k^4l^2 =$

(i) $11 \times k \times k \times k \times l \times l$ (ii) $11 \times k \times k \times k \times k \times k \times l \times l$ (iii) $11 \times k \times k \times k \times k \times l \times l$ (iv) $9 \times k \times k \times k \times k \times l \times l$

(v) $13 \times k \times k \times k \times k \times l \times l$

15. $21e^2f^4g^3 =$

(i) $21 \times e \times e \times e \times f \times f \times f \times f \times g \times g \times g$ (ii) $23 \times e \times e \times f \times f \times f \times f \times g \times g \times g$ (iii) $21 \times e \times f \times f \times f \times f \times g \times g \times g$

(iv) $19 \times e \times e \times f \times f \times f \times f \times g \times g \times g$ (v) $21 \times e \times e \times f \times f \times f \times f \times g \times g \times g$

16. $a \times a \times a \times a =$

(i) a^3 (ii) $-2a^4$ (iii) a^4 (iv) $4a^4$ (v) a^5

17. $n \times n \times n \times n \times o \times o \times o \times o =$

(i) $-n^4o^4$ (ii) n^4o^4 (iii) n^5o^4 (iv) n^3o^4 (v) $3n^4o^4$

18. $g \times g \times h \times h \times h \times i \times i \times i =$

(i) $g^2 h^3 i^3$ (ii) $g h^3 i^3$ (iii) $-g^2 h^3 i^3$ (iv) $4 g^2 h^3 i^3$ (v) $g^3 h^3 i^3$

19. The expanded form of $(f)^3$ is

(i) f (ii) $f \times f$ (iii) $f \times f \times f$ (iv) $f \times f \times f \times f \times f$ (v) $f \times f \times f \times f$

20. The expanded form of $(\frac{1}{4} i)^3$ is

(i) $\frac{1}{4} i \times \frac{1}{4} i \times \frac{1}{4} i \times \frac{1}{4} i \times \frac{1}{4} i$ (ii) $\frac{1}{4} i \times \frac{1}{4} i \times \frac{1}{4} i$ (iii) $\frac{1}{4} i$ (iv) $\frac{1}{4} i \times \frac{1}{4} i$ (v) $\frac{1}{4} i \times \frac{1}{4} i \times \frac{1}{4} i \times \frac{1}{4} i$

21. The expanded form of $(-5qr)^3$ is

(i) $(-5qr) \times (-5qr) \times (-5qr) \times (-5qr) \times (-5qr)$ (ii) $(-5qr) \times (-5qr)$ (iii) $(-5qr)$

(iv) $(-5qr) \times (-5qr) \times (-5qr) \times (-5qr)$ (v) $(-5qr) \times (-5qr) \times (-5qr)$

22. The expanded form of $(\frac{1}{2} qr)^3$ is

(i) $\frac{1}{2} qr \times \frac{1}{2} qr \times \frac{1}{2} qr$ (ii) $\frac{1}{2} qr \times \frac{1}{2} qr \times \frac{1}{2} qr \times \frac{1}{2} qr \times \frac{1}{2} qr$ (iii) $\frac{1}{2} qr \times \frac{1}{2} qr$ (iv) $\frac{1}{2} qr \times \frac{1}{2} qr \times \frac{1}{2} qr \times \frac{1}{2} qr$ (v) $\frac{1}{2} qr$

Assignment Key

1) (iv)	2) (ii)	3) (iii)	4) (i)	5) (i)	6) (i)
7) (iii)	8) (iii)	9) (iv)	10) (i)	11) (v)	12) (i)
13) (iv)	14) (iii)	15) (v)	16) (iii)	17) (ii)	18) (i)
19) (iii)	20) (ii)	21) (v)	22) (i)		