



परमाणु ऊर्जा शिक्षण संस्था
Atomic Energy Education Society
उत्तर कुंजी / Answer Key (2025-26)

कक्षा /Class: VIII

विषय /Subject: Mathematics

माह/ Month: AUGUST

अंक/Marks: 40

दिया गया पाठक्रम/Portion covered: Chapter 2 Power play

Section A

Question number	Answer
Q1.	(b)
Q2.	(a)
Q3.	(c)
Q4.	(a)
Q5.	(d)
Q6.	(c)
Q7.	(d)
Q8.	(c)
Q9.	(b)
Q10.	(c)

Section B

Q11. 3.43×10^6

Q12. $561.903 = (5 \times 10^2) + (6 \times 10^1) + (1 \times 10^0) + (9 \times 10^{-1}) + (0 \times 10^{-2}) + (3 \times 10^{-3})$

Q13. When multiplying powers with the same base, we add the exponents:

$$3^2 \times 3^{-5} \times 3^6 = 3^{2+(-5)+6} = 3^3$$

Q14. To prove one number is inverse of other then we get 1 after multiplying both the number .

Section C

Q15. (i) 1.69 (ii) 0.0169 (iii) 16900

Q16. 36^6

Q17. (i) 10^{-7} (ii) 9^{-11} (iii) $m^{14}n^{21}$

Section D

Q18. (i) 343 (ii) 343 (iii) 823543 (iv) $\frac{1}{49}$ (v) 117649

Section E

Q19.(i) 3×2^n (ii) 48 units (iii) 24 (iv) 3×2^2

Q20. (i) To compare these large numbers more easily.

(ii) 1.2742×10^4 km

(iii) 1.392×10^6 km

(iv) 1.09×10^2 km