ARJUNA (NEET)

P XI M1 Pg17~

Units and Mesurements

DPP-05

1. A cube has a side 1.2×10^{-2} m. Its volume will be recorded as
17
(A) 1.728×10^{-6} m^3 (B) 1.72×10^{-6} m^3
(C) 1.7×10^{-6} m^3 (D) 72×10^{-6} m^3

2. The number of significant figures in 4.004
(A) 4 (B) 3
(C) 2 (D) 1
17

3. The number of significant figures in 0.006
(A) 2 (B) 1
17 (C) 4 (D) 3

4. The number of significant figures in 343.00
17 (A) 2 (B) 3
(C) 5 (D) 6

5. The number of significant figures in 1.32×10^{-2}
17 (A) 3 (B) 4
(C) 1 (D) 2

6. 3.1421 + 0.241 + 0.09 is equal to (after rounding off two decimal place)
17 (A) 3.43 (B) 3.47
(C) 3.48 (D) 3.46

7. Subtract 0.2 J from 5.27 and express the result with correct number of significant figures :
17 (A) 5.1 J (B) 5.06 J
(C) 5.0 J (D) 5 J

8. Find round off value of $x = 6.87$
(A) 6 (B) 6.7 17
(C) 6.8 (D) 6.9

9. Find round off value of $x = 16.351$
(A) 16 (B) 16.33 17
(C) 16.3 (D) 16.4

10. If length of a rectangle is 2.1 m and width is 1.62 m then its area will be
(A) 3.402 m^2 (B) 3.4 m^2 17
(C) 3.40 m^2 (D) 3 m^2

11. In a vernier calliper, N division of vernier scale coincide with (N – 1) divisions of main scale (in which 1 division represents 1mm). The least count of the instrument in cm. should be 17
(A) N (B) N – 1
(C) $\frac{1}{10\,N}$ (D) $\frac{1}{N-1}$

12. The sun's angular diameter is measured to be $\frac{1}{2}^\circ$. The distance D of the sun from the Earth is 1.496×10^{11} m. What is the diameter of the sun? 18

ANSWERS

1. **(C)**
2. **(A)**
3. **(B)**
4. **(C)**
5. **(A)**
6. **(B)**
7. **(D)**
8. **(D)**
9. **(D)**
10. **(B)**
11. **(C)**
12. 1.39×10^9 m

Note - If you have any query/issue

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