CHAPTER - 01 UNITS AND MEASUREMENTS

PART I - (JEEMAIN LEVEL)

SECTION - I

QUESTIONS 2 1. 3. 3 4. 2

11. 1
$$A = \alpha^{9}$$

$$\frac{\Delta A}{A} = \frac{\Delta A}{\alpha}$$

$$\Delta \alpha = \frac{\Delta B}{B} \times \frac{\Delta}{\alpha}$$

12. 4

SECTION - II Numerical Type Questions

13. 25

14. 2

PART - II (JEE ADVANCED LEVEL)

SECTION - III (One correct answer)

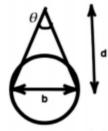
- 15. A
- 16. A
- 17. D

SECTION - IV (More than one correct answer)

- 19. A, D
- 20. B,C
- 21. A,C
- 22. A,B,C

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SECTION - V (Numerical Type - Upto two decimal place)



$$b=2 imes 6400km=12800km$$
 and

$$heta = rac{\pi}{180} imes rac{1}{60} rad$$
 . Now as d is very large

compared to \boldsymbol{b} , we can write

$$\sin \theta = \theta = \frac{b}{d}$$

$$\Rightarrow d = \frac{b}{\theta}$$
Now putting the

Now putting the values of different quantities, we

$$d = 12800 \times \frac{60 \times 180}{\pi}$$

 $\Rightarrow d = 4.4 \times 10^7 km$

24. 1.25

25. 0.529

SECTION - VI (Matrix Matching) 26. A i-b, ii-a, iii-c, iv-d