

LOGIN TO **WWW.UNITYEXAMS.COM**  
AND START PREPARATION FOR DDCET

JOIN OUR **WHATSAPP GROUP**  
AND ACCESS ALL MATERIAL

Practice **Set 6** Solution

# Units & **MEASUREMENT**

**Topics :**

1. Physical quantities and units.
2. Interconversion of units MKS (SI) to CGS and vice versa.

**DDCET final exam weightage of this topic :** 3 Questions ( 6 Marks )

**Total Practice sets  
of this topic :**

$10 \text{ ( sets ) } \times 25 \text{ ( questions ) } = 250 \text{ Questions}$

**Total Practice tests  
of this topic :**

$2 \text{ ( exams ) } \times 25 \text{ ( questions ) } = 50 \text{ Questions}$

**Offline / Online  
during lecture :**

$4 \text{ ( lectures ) } \times 50 \text{ ( Questions ) } = 200 \text{ Question}$

**Total 500 Questions to  
practice this topic**



**91739 04421**



# UNITY TRAINING ACADEMY FOR DDCET

## Section 1 :

- 1. Physical quantities and units.
- 2. Interconversion of units MKS (SI) to CGS and vice versa.

1. Which of the following is a fundamental quantity?  
A. Speed  
B. Force  
C. Mass ✓  
D. Area
2. SI unit of temperature is:  
A. Celsius  
B. Fahrenheit  
C. Kelvin ✓  
D. Joule
3. The derived unit of force is:  
A. Newton ✓  
B. Kilogram  
C. Pascal  
D. Watt
4. Which of the following is not a base unit in SI system?  
A. Ampere  
B. Candela  
C. Mole  
D. Newton ✓
5. The unit of electric current is:  
A. Coulomb  
B. Ampere ✓  
C. Volt  
D. Ohm
6. How many fundamental units are there in SI system?  
A. 5  
B. 6  
C. 7 ✓  
D. 8
7. The SI unit of pressure is:  
A. Newton  
B. Pascal ✓  
C. Bar  
D. Atmosphere
8. Which of the following physical quantities is scalar?  
A. Force  
B. Velocity  
C. Acceleration  
D. Energy ✓
9. Which is the correct SI unit of energy?  
A. Newton  
B. Watt  
C. Joule ✓  
D. Erg
10. The unit of momentum is:  
A. kg m/s ✓  
B. kg m/s<sup>2</sup>  
C. kg m<sup>2</sup>/s  
D. N/s
11. The unit of frequency is:  
A. Second  
B. Hertz ✓  
C. Meter  
D. Radian

DDCET 2025



[CLICK HERE TO JOIN OUR WHATSAPP GROUP AND ACCESS ALL MATERIALS](#)



# UNITY TRAINING ACADEMY FOR DDCET

## Section 1 :

- 1. Physical quantities and units.
- 2. Interconversion of units MKS (SI) to CGS and vice versa.

12. 1 horsepower =

- A. 746 W ✓
- B. 1000 W
- C. 550 W
- D. 960 W

13. SI unit of charge is:

- A. Ampere
- B. Volt
- C. Coulomb ✓
- D. Farad

14. Which one is dimensionless?

- A. Strain ✓
- B. Stress
- C. Velocity
- D. Time

15. SI unit of force is Newton. In CGS system, it is:

- A. Erg
- B. Dyne ✓
- C. Joule
- D. Gram-force

16. What is the unit of Energy in CGS: [DDCET-2024]

- A. Newton
- B. Watt
- C. Joule
- D. Arg ✓

17. 1 Pascal = \_\_\_\_\_ dyne/cm<sup>2</sup>

- A. 10 ✓
- B. 100
- C. 1000
- D. 10000

18. CGS unit of pressure is:

- A. Dyne/cm<sup>2</sup> ✓
- B. Pascal
- C. Erg/cm<sup>2</sup>
- D. Newton/m<sup>2</sup>

19. 1 kg = \_\_\_\_\_ grams

- A. 10
- B. 100
- C. 1000 ✓
- D. 10000

20. 1 m/s = \_\_\_\_\_ cm/s

- A. 10
- B. 100 ✓
- C. 1000
- D. 10000

21. Which of the following is not a physical quantity?

- A. Mass
- B. Energy
- C. Temperature
- D. Beauty ✓

22. The SI unit of electric resistance is:

- A. Ohm ✓
- B. Ampere
- C. Volt
- D. Coulomb





UNITY TRAINING  
ACADEMY FOR DDCET

Section 1 :

- 1. Physical quantities and units.
- 2. Interconversion of units MKS (SI) to CGS and vice versa.

23. One light year is the distance:

- A. Light travels in one year ✓
- B. Between Earth and Sun
- C. Across a galaxy
- D. Light travels in one second\

24. 1 cm = \_\_\_\_\_ m

- A. 0.001
- B. 0.01 ✓
- C. 0.1
- D. 0.0001

25. Which is larger: 1 dyne or 1 Newton?

- A. Dyne
- B. Newton ✓
- C. Both equal
- D. Cannot be compared



[CLICK HERE TO JOIN OUR WHATSAPP GROUP AND ACCESS ALL MATERIALS](#)

