

GOVT ITI PERDOOR

Workshop calculation - 30-May-2026 03:21 PM

Q. ID: ITISKILL96351G | April 2026

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Student Name	Shravanth	Access Code	5980
Attempt No.	#1	Completion Time	10:30 AM
Rank	#11	Total Questions	25

20 SCORE

25 MAX MARKS

20 CORRECT

5 INCORRECT

Answer Review

Q1 **CORRECT** What is the formula for speed?

A. Distance covered/Time

B. Change in velocity/Time

C. Distance in definite direction /Time

D. Change in momentum/Time

Q2 **INCORRECT** What is the unit of speed?

A. Metre/second

B. Metre/second²

C. Metre/minute

D. Metre/hour

Q3 **CORRECT** What is the formula for velocity?

A. Distance covered/Time

B. Displacement/Time

C. Change in velocity/Time

D. Change of momentum/Time

Q4 **INCORRECT** What is the unit for velocity?

A. Metre/second

B. Metre/second²

C. Metre/minute

D. Metre/hour

Q5 **CORRECT** What is called if a body possesses only magnitude or size alone?

A. Speed

B. Velocity

C. Vector quantity

D. Scalar quantity

Q6 **CORRECT** What is called if a body possesses both magnitude and direction of velocity?

A. Speed

B. Velocity

C. Vector quantity

D. Scalar quantity

Q7 **CORRECT** What is the rate of change of displacement of a body?

A. Body at rest

B. Body at motion

C. Speed

D. Velocity

Q8 **CORRECT** What is called if a body does not change its position with respect to its surroundings?

A. Body at motion

B. Body at rest

C. Speed

D. Velocity

Q9 **INCORRECT** What is called if a body changes its position with respect to its surroundings?

A. Body at rest

B. Body at motion

C. Speed

D. Velocity

Q10 **CORRECT** What is velocity of a body travels a distance of 168 metres in a line in 21 seconds?

A. 6 m/sec

B. 8 m/sec

C. 10 m/sec

D. 12 m/sec

Q11 **CORRECT** What is the speed of a train of 80 metre long train passes a railway station platform of 120 metres length in 20 seconds?

A. 30 km/hour

B. 32 km/hour

C. 34 km/hour

D. 36 km/hour

Q12 **CORRECT** What is the formula for acceleration?

A. Metre/second

B. Metre/second²

C. Metre/minute

D. Metre/hour

Q13 **INCORRECT** What is the unit of acceleration of an object?

A. Metre/second

B. Metre/second²

C. Metre/minutes

D. Metre/minutes²

Q14 **CORRECT** What is the acceleration of a car if the speed of the car has increased from 25 km per hour to 40 km per hour in one minute?

A. 0.059 m/sec²

B. 0.59 m/sec²

C. 0.069 m/sec²

D. 0.69 m/sec²

Q15 **INCORRECT** What is the retardation of a car moving with a velocity of 50 km/hr is brought to rest in 45 seconds?

A. 0.40 m/sec^2

B. 0.30 m/sec^2

C. 0.20 m/sec^2

D. 0.10 m/sec^2

Q16 **CORRECT** What is the acceleration of an aeroplane taking off from landing field has to run 700 metres if it leaves the ground in 10 seconds from the start?

A. 8 metre/sec^2

B. 10 metre/sec^2

C. 12 metre/sec^2

D. 14 metre/sec^2

Q17 **CORRECT** What maximum height a stone will reach if it is thrown upwards with a velocity of 20m/sec?($g = 10\text{m/sec}^2$)

A. 10 m

B. 20 m

C. 30 m

D. 40 m

Q18 **CORRECT** What is the work done in unit time?

A. Energy

B. Power

C. Force

D. Acceleration

Q19 **CORRECT** What is the capacity of a body to do work is called?

A. Energy

B. Power

C. Acceleration

D. Force

Q20 **CORRECT** What is the ratio of power output to power input?

A. Work

B. Energy

C. Efficiency

D. Acceleration

Q21 **CORRECT** What is called if a force of 1Newton acts on a body and moves it through a distance of 1 metre?

A. 1 Joule

B. 10 Joules

C. 1 dyne

D. 10 dynes

Q22 **CORRECT** How many newtons for 1 kilogram?

A. 981 Newtons

B. 98.1 Newtons

C. 9.81 Newtons

D. 0.981 Newtons

Q23 **CORRECT** How many watts for 1 horse power in metric system?

A. 725.5 watts

B. 735.5 watts

C. 745.5 watts

D. 755.5 watts

Q24 **CORRECT** How many watts for 1 horse power in British system?

A. 726 watts

B. 736 watts

C. 746 watts

D. 756 watts

Q25 **CORRECT** What is the equivalent unit for 1 horse power in metric system?

A. 75 kg.m/sec

B. 76 kg.m/sec

C. 77 kg.m/sec

D. 78 kg.m/sec