QUEBEC APPLIED SCIENCE AND TECHNOLOGY, SECONDARY IV · UNIT E · 5 QUESTIONS

Technological World - Motion Transmission and Transformation Systems — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A driver gear with 25 teeth turns at 150 revolutions per minute and drives a gear with 75 teeth. The driven gear speed, in revolutions per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A transmission system has input speed 40 revolutions per minute and output speed 80 revolutions per minute. Its speed multiplication factor is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A large Ferris wheel against a blue sky at a fairground, colourful gondolas. A wheel and worm gear gives a large reduction in speed in a**



A large hall

B small space

C vacuum

D furnace

Understand It with Pulse | Flag a mistake

4 **A driver gear with 12 teeth turns at 60 revolutions per minute and drives a gear with 36 teeth. The driven gear speed, in revolutions per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A transmission system has input speed 25 revolutions per minute and output speed 100 revolutions per minute. Its speed multiplication factor is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 50
2. 2
3. B
4. 20
5. 4

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