

# DEPARTMENT OF MECHANICAL ENGINEERING

## 20ME002 - MANUFACTURING PROCESSES II

### THEORY OF METAL CUTTING - QUIZ

Student Name:	Pranav R
Register Number:	2403713811421014
Date:	2025-07-30
Time:	09:44:38
Duration:	3:59 minutes
Questions:	20 (Random selection from 75-question bank)

**SCORE: 7/20 (35.0%)**

**GRADE: F**

#### ***DETAILED RESULTS***

Q.No	Your Answer	Correct Answer	Status
1	Tangential, radial, and axial	Tangential, radial, and axial	✓ Correct
2	All of the above	All of the above	✓ Correct
3	Both rake angle and friction a...	Both rake angle and friction a...	✓ Correct
4	Tool face and cutting edge	Tool face and reference plane	✗ Wrong
5	Radially inward	Radially inward	✓ Correct
6	Compressive stress only	Both tensile and compressive s...	✗ Wrong
7	Surface finish	All of the above	✗ Wrong
8	Angle between tool face and ho...	Angle between shear plane and ...	✗ Wrong
9	Non-ferrous materials	Non-ferrous materials	✓ Correct

10	High cutting speeds	Low cutting speeds	✗ Wrong
11	Microstructural changes	All of the above	✗ Wrong
12	Always less than 1	Can be greater than 1	✗ Wrong
13	Ceramic material	Cobalt-based alloy	✗ Wrong
14	Continuous flow	Segmented appearance	✗ Wrong
15	At 45° to the direction of cut...	Perpendicular to the direction...	✗ Wrong
16	Friction	Both plastic deformation and f...	✗ Wrong
17	No change in surface finish	Poor surface finish	✗ Wrong
18	Maximum at the shear plane	Maximum at the shear plane	✓ Correct
19	Cutting forces	All of the above	✗ Wrong
20	Cutting forces	Cutting forces	✓ Correct

This is an auto-generated report from random question selection.  
Generated on: 2025-07-30 09:44:38