

DEPARTMENT OF MECHANICAL ENGINEERING

20ME002 - MANUFACTURING PROCESSES II

THEORY OF METAL CUTTING - QUIZ

Student Name:	DEV ANANTH.R
Register Number:	2403713811421003
Date:	2025-07-30
Time:	09:42:39
Duration:	4:22 minutes
Questions:	20 (Random selection from 75-question bank)

SCORE: 14/20 (70.0%)

GRADE: B

DETAILED RESULTS

Q.No	Your Answer	Correct Answer	Status
1	Tangentially	Radially inward	✗ Wrong
2	Mist cooling	Mist cooling	✓ Correct
3	Cutting edge	Base of tool	✗ Wrong
4	Non-ferrous materials	Non-ferrous materials	✓ Correct
5	Tangential, radial, and axial	Tangential, radial, and axial	✓ Correct
6	Less than normal rake angle	Less than normal rake angle	✓ Correct
7	Stainless steel	Free-cutting steel	✗ Wrong
8	Ahead of the cutting edge	Ahead of the cutting edge	✓ Correct
9	600°C	600°C	✓ Correct

10	Both tensile and compressive s...	Both tensile and compressive s...	✓ Correct
11	Tool wear	Cutting forces	✗ Wrong
12	Uniform thickness	Segmented appearance	✗ Wrong
13	All of the above	All of the above	✓ Correct
14	All of the above	All of the above	✓ Correct
15	5-10%	5-10%	✓ Correct
16	Angle between shear plane and ...	Angle between shear plane and ...	✓ Correct
17	Perpendicular to cutting veloc...	Parallel to cutting velocity	✗ Wrong
18	High	High	✓ Correct
19	50-150 m/min	50-150 m/min	✓ Correct
20	$VT^n = C$	$VT^n = C$	✓ Correct

This is an auto-generated report from random question selection.
Generated on: 2025-07-30 09:42:39