

Unit 5 - Week 3: Honing, Lapping and Super Finishing.

Course outline

How does an NPTEL online course work?

Week 0: Prerequisite

Week 1: Introduction to Conventional Abrasive Processes

Week 2: Sustainable Grinding Process

Week 3: Honing, Lapping and Super Finishing.

Quiz : Assignment 3

Lec. 1 : Honing Process

Lec. 2 : Lapping Process

Lec. 3 : Super Finishing and Sand Blasting

Feedback form

Solution : Assignment 3

Week 4 : Conventional Abrasive Process and Surface Integrity in Abrasive Process

Week 5 : Advanced Abrasive Machining Processes

Week 6 : Hybrid Abrasive Machining Processes

Week 7 : Advanced Abrasive Finishing Processes-1

Week 8 : Advanced Abrasive Finishing Processes-2

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Assignment 3

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-02-19, 23:59 IST.

1) Engine cylindrical blocks are generally finished by _____ process.

1 point

- Lapping
 Honing
 Super Finishing
 Plunge Grinding

No, the answer is incorrect.
Score: 0

Accepted Answers:
Honing

2) The dominant wear mechanism present in Honing process is

1 point

- 2 body abrasion
 3 body abrasion
 Both A & B
 No abrasion takes place

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both A & B

3) Cross hatch pattern is generally produced with

1 point

- Honing
 Wheel type super finishing
 Plunge type super finishing
 Both a & b

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both a & b

4) Among the following honing operation can also be performed on

1 point

- A.Drill Press
 B.Lathe machine tool
 C.Milling machine tool

Choose the right combinations

- A and B
 B and C
 A and C
 A, B and C

No, the answer is incorrect.
Score: 0

Accepted Answers:
A and B

5) Which of the following abrasive particles are generally used for machining of soft ferrous and non-ferrous materials?

1 point

- Aluminium oxide
 Silicon Carbide
 Boron Carbide
 Diamond

No, the answer is incorrect.
Score: 0

Accepted Answers:
Aluminium oxide

6) Contour on sandblasted surface depends on

1 point

- Air Pressure
 Nozzle distance from workpiece surface
 Inclination of the Nozzle with respect to worksurface
 All the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All the above

7) Chatter marks present on lapped surface generally are _____.

1 point

- Liner
 Concentric
 Random
 Cross hatch

No, the answer is incorrect.
Score: 0

Accepted Answers:
Random

8) Which one of the following is considered as a finishing lap for metal, non-metals and ceramics?

1 point

- Copper lap
 Mild steel lap
 Tin and lead lap
 Cast Iron lap

No, the answer is incorrect.
Score: 0

Accepted Answers:
Tin and lead lap

9) Which of these materials is/are used as medium in lapping?

1 point

- Machine oil
 Rape oil
 Grease
 All the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All the above

10) Super-finishing stone generally have _____.

1 point

- Low amplitude and low frequency motion
 Low amplitude and high frequency motion
 High amplitude and low frequency motion
 High amplitude and high frequency motion

No, the answer is incorrect.
Score: 0

Accepted Answers:
Low amplitude and high frequency motion