

## Unit 2 - week 0

### Course outline

How does an NPTEL online course work?

week 0

Quiz : Assignment 0

Week 1

Week 2

Week 3

Week 4

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## Assignment 0

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

**Due on 2020-01-27, 23:59 IST.**

1) Abrasive particles used for polishing or grinding of metals are characterised by

1 point

- a. High ductility
- b. High hardness
- c. High electrical conductivity
- d. None of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
b.

2) Materials with low density are invariably of

1 point

- a. Low hardness
- b. High hardness
- c. High ductility
- d. None of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
d.

3) Hardness of a material is its ability to resist

1 point

- a. Melting
- b. Sublimation
- c. Indentation
- d. None of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
c.

4) An example of abrasive material, used as abrasive grits in grinding wheels, is

1 point

- a. Ammonium carbide
- b. Talcum powder
- c. Silicon carbide
- d. None of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
c.

5) A grinding wheel has small grits embedded on its surface, which can be

1 point

- a. Gold particles
- b. Aluminium Oxide
- c. Titanium particles
- d. None of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
b.

6) Diamond

1 point

- a. Is the second hardest material
- b. Has the highest thermal conductivity
- c. Is a compound of Boron and Nitrogen
- d. None of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
b.

7) In conventional surface grinding practice, the typical grinding parameter values are

1 point

- a. Low speed (30 m/min) low feed (100mm/min) high depth (2 mm)
- b. High speed (30 m/s) low feed (100 mm/min) low depth (20 microns)
- c. High speed (30 m/s) high feed (10 m/min) low depth (20 microns)
- d. None of these

- a.
- b.
- c.
- d.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
c.