

# Mohamed Khider University of Biskra

Module: English 1 - A2 Level  
Department of Materials Science  
Date: January 20<sup>th</sup>, 2026

1<sup>st</sup> Year Licence  
University Year 2025/2026  
Time: 10:45–12:45

## Make-up Exam

*Student Name and Surname:* \_\_\_\_\_ *Group:* \_\_\_\_\_

**Instructions:** Choose the correct answer (A, B, C, or D) for each question. Mark your answers clearly. No dictionaries or electronic devices allowed.

### Activity 1 (4 points): Choose the correct word

- (1) The hardness test depends \_\_\_ precise surface preparation.  
(A) on, (B) in, (C) at, (D) for
- (2) Researchers \_\_\_ consider environmental factors during testing.  
(A) can, (B) must, (C) may, (D) will
- (3) \_\_\_ techniques require electron microscopy analysis.  
(A) Some, (B) Any, (C) Much, (D) Many
- (4) Students have to record data \_\_\_ their laboratory notebooks.  
(A) on, (B) in, (C) at, (D) by

### Activity 2 (5 points): Choose the appropriate WH word

- (5) \_\_\_ did the tensile test begin? – "At 9 AM."  
(A) What, (B) When, (C) Where, (D) Why
- (6) \_\_\_ is the yield strength of this alloy? – "300 MPa."  
(A) When, (B) Where, (C) What, (D) How many
- (7) \_\_\_ samples were tested? – "Ten specimens."  
(A) When, (B) How many, (C) What, (D) Where
- (8) \_\_\_ conducted the microscopy analysis? – "Professor Smith."  
(A) Who, (B) Why, (C) Where, (D) How
- (9) \_\_\_ are we using a protective coating? – "To prevent corrosion."  
(A) Where, (B) What, (C) Why, (D) When

### Activity 3 (3 points): Complete the conditional sentence

- (10) If the temperature \_\_\_ too high, the material will deform.  
(A) is, (B) was, (C) were, (D) be

- (11) If we \_\_\_ more carbon, the alloy would be stronger.  
(A) add, (B) added, (C) have added, (D) would add
- (12) The experiment \_\_\_ succeed if we follow the protocol.  
(A) will, (B) would, (C) might, (D) could

**Activity 4 (4 points): Choose the best word**

- (13) The \_\_\_ of the fracture surface was very detailed.  
(A) analyze, (B) analysis, (C) analytical, (D) analytically
- (14) Precipitates \_\_\_ at grain boundaries.  
(A) form, (B) forms, (C) formed, (D) forming
- (15) This alloy exhibits \_\_\_ corrosion resistance.  
(A) good, (B) well, (C) better, (D) best
- (16) The students' \_\_\_ was better than last year's.  
(A) perform, (B) performance, (C) performing, (D) performed

**Activity 5 (4 points): Read and answer**

Materials testing is essential for quality control. During tensile testing, a specimen is pulled until it fractures. The stress-strain curve provides valuable data about yield strength, ultimate tensile strength, and ductility. Engineers must interpret these results carefully to ensure component reliability. Hardness tests measure resistance to indentation. All results must be documented in laboratory reports.

- (17) What does tensile testing measure?  
(A) Hardness only, (B) Electrical conductivity, (C) Material strength under pulling,  
(D) Chemical composition
- (18) Which test provides more complete information?  
(A) Hardness test, (B) Tensile test, (C) Both give same information,  
(D) Neither provides useful data
- (19) What must engineers do with results?  
(A) Ignore them, (B) Document them carefully, (C) Delete them immediately,  
(D) Change the numbers
- (20) What is the main purpose of testing?  
(A) Quality control, (B) Making specimens heavier, (C) Increasing costs,  
(D) Wasting time

**Good luck**  
**Dr. Ouaar, F**

# ANSWER KEY

## Activity 1:

- (1) **A** (on) - The hardness test depends on precise surface preparation.
- (2) **B** (must) - Researchers must consider environmental factors during testing.
- (3) **A** (Some) - Some techniques require electron microscopy analysis.
- (4) **B** (in) - Students have to record data in their laboratory notebooks.

## Activity 2:

- (5) **B** (When) - When did the tensile test begin?
- (6) **C** (What) - What is the yield strength of this alloy?
- (7) **B** (How many) - How many samples were tested?
- (8) **A** (Who) - Who conducted the microscopy analysis?
- (9) **C** (Why) - Why are we using a protective coating?

## Activity 3:

- (10) **A** (is) - If the temperature is too high, the material will deform.
- (11) **B** (added) - If we added more carbon, the alloy would be stronger.
- (12) **A** (will) - The experiment will succeed if we follow the protocol.

## Activity 4:

- (13) **B** (analysis) - The analysis of the fracture surface was very detailed.
- (14) **A** (form) - Precipitates form at grain boundaries.
- (15) **A** (good) - This alloy exhibits good corrosion resistance.
- (16) **B** (performance) - The students' performance was better than last year's.

## Activity 5:

- (17) **C** (Material strength under pulling)
- (18) **B** (Tensile test)
- (19) **B** (Document them carefully)
- (20) **A** (Quality control)

**Grading Guide:** 1 point per question — Total: 20 points

*Good luck with your studies*

*Dr. OUAAR, F*