

Ministry of Higher Education and Scientific Research Misurata University - Faculty of Engineering General Department Final Exam	Course Title		English II		Course Code	142.أ.ع		
	Date		06 January 2025		Duration	2 hours		
	Professor's name		Ms. Israa Elajail, Ms Zahra Alhedad,					
	Semester		Fall 2024 – 2025					
Student Name			ID Number					
Question	Q1	Q2	Q3	Q4	Q5	Total	
Credit								

Read the below questions and tick (✓) the correct answer.

1	What is the primary focus of engineering as a profession?	a) The creative application of scientific principles to solve specific problems.	b) The study of historical engineering practices.	c) Theoretical study of scientific principles without application.	d) Only the manufacture of engines and machine parts.
2	Which of the following is NOT a branch of engineering?	a) Biological engineering	b) Mechanical engineering	c) Chemical engineering	d) Highway engineering
3	What is the purpose of the process called 'anodize'?	a) To polish or sharpen by rubbing on a rough surface.	b) To cover with a thin layer of metal using electrolysis.	c) To melt metal and pour it into a form.	d) To make materials tough by heating and hammering.
4	Which equipment is commonly used in mining engineering?	a) Turbines	b) Boilers	c) Cranes	d) Excavators
5	What does the term 'forge' refer to in engineering processes?	a) To heat and cool metals to obtain hardness.	b) To make something tougher by heating and hammering.	c) To cover one metal with a thin layer of another.	d) To polish or sharpen by rubbing.
6	Which of the following is a correct definition of 'galvanize'?	a) To make thin sheets of metal by rolling.	b) To cover with a thin layer of metal using electrolysis.	c) To heat and then cool metals to obtain required elasticity.	d) To protect from rusting by coating in zinc.
7	What is the role of product planners in car manufacturing?	a) To train the workers on assembly line processes.	b) To conduct market research on consumer preferences.	c) To design the aesthetic features of the car.	d) To ensure that the new car program finishes on time and within budget.
8	Which process involves making materials softer?	a) Harden	b) Grind	c) Anodize	d) Soften
9	What is the main function of a radiator in a car?	a) To store electricity.	b) To cool water from the engine.	c) To ensure the rear wheels turn at different speeds.	d) To hold brake fluid.
10	What type of engineer would work with pharmaceuticals and chemical manufacturing?	a) Civil engineer	b) Chemical engineer	c) Mechanical engineer	d) Electrical engineer

11	What is the primary focus of chemical engineering?	a) To construct buildings and infrastructure.	b) To manufacture mechanical parts.	c) To design and develop processes for producing chemicals and materials.	d) To create electronic devices and systems.
12	Which of the following processes is used to make thin sheets of metal?	a) Anodize	b) Roll	c) Galvanize	d) Harden
13	What is the main purpose of a turbine in engineering?	a) To cool engine components.	b) To convert fluid energy into mechanical energy.	c) To store electrical energy.	d) To provide structural support.
14	Which equipment is typically used in hydraulic engineering?	a) Boilers	b) Cranes	c) Turbines	d) Pump
15	What does the term 'electroplate' refer to?	a) To heat and cool metals for hardness.	b) To melt metal and pour it into a form.	c) To cover with a thin layer of metal using electrolysis.	d) To make materials softer by heating.
16	What is the role of a mechanical engineer?	a) To design and analyze mechanical systems and devices.	b) To create electrical circuits and systems.	c) To develop chemical processes for manufacturing.	d) To construct civil infrastructure like roads and bridges.
17	Which of the following is a characteristic of industrial engineering?	a) Building and maintaining electrical systems.	b) Creating structural designs for buildings.	c) Designing chemical reactions for product development.	d) Focus on optimizing complex processes and systems.
18	What does 'temper' mean in the context of metal processing?	a) To make materials tougher by hammering.	b) To cover one metal with a thin layer of another.	c) To heat and cool metals to achieve desired properties.	d) To polish or sharpen by rubbing.
19	Which branch of engineering deals with the design of transportation systems?	a) Electrical engineering	b) Civil engineering	c) Chemical engineering	d) Mechanical engineering
20	What is the primary function of a brake cylinder in a car?	a) To cool the engine components.	b) To store fuel for the engine.	c) To provide electrical power to the vehicle.	d) To connect the brake system to the brakes.
21	What is the main purpose of the process called 'grind'?	a) To polish or sharpen by rubbing on a rough surface.	b) To make materials tough by heating and hammering.	c) To heat and cool metals to obtain required hardness.	d) To cover with a thin layer of metal using electrolysis.
22	Which of the following is a type of engineering that focuses on infrastructure and construction?	a) Civil engineering	b) Electrical engineering	c) Chemical engineering	d) Mechanical engineering

23	What is the role of a chemical engineer?	a) To create electrical systems and circuits.	b) To construct buildings and infrastructure.	c) To design and develop processes for producing chemicals and materials.	D) To analyze mechanical systems.
24	Which equipment is typically used in mechanical engineering?	a) Boiler	b) Pump	c) Crane	d) Machine tool
25	What does the term 'harden' refer to in engineering processes?	a) To make materials tough by heating and then hammering.	b) To heat and cool metals to obtain required hardness.	c) To cover with a thin layer of metal using electrolysis.	d) To polish or sharpen by rubbing on a rough surface.
26	Which of the following processes is used to protect metals from rusting?	a) Forge	b) Electroplate	c) Anodize	d) Galvanize
27	What is the main function of a fuel tank in a car?	a) To store electricity.	b) To hold fuel for the engine.	c) To cool water from the engine.	d) To ensure the rear wheels turn at different speeds.
28	Which branch of engineering is primarily concerned with the design of electronic devices?	a) Civil engineering	b) Chemical engineering	c) Mechanical engineering	d) Electronic engineering
29	What is the purpose of a silencer/muffler in a car?	a) To store fuel for the engine.	b) To connect the brake cylinder to the brakes.	c) To reduce exhaust noise.	d) To cool water from the engine.
30	What does 'anneal' mean in the context of metal processing?	a) To heat and then cool metals to obtain the required hardness and elasticity.	b) To polish or sharpen by rubbing.	c) To make materials tougher by hammering.	d) To cover one metal with a thin layer of another.

Good Luck