First term exam

Name: ____

Family Name: ____   **Class:** ____

Artificial Intelligence (AI) refers to the simulation of human intelligence in machines designed to think and learn like humans. There are three main types of AI: Narrow AI, which is designed for specific tasks (like virtual assistants); General AI, which can perform any intellectual task a human can do (still theoretical); and Superintelligent AI, which surpasses human intelligence (also theoretical). The benefits of AI include increased efficiency and productivity, the ability to process and analyze vast amounts of data quickly, and the potential to solve complex problems in fields like healthcare, finance, and transportation. AI can enhance decision-making, automate routine tasks, and even create personalized experiences in various applications, improving overall quality of life.

A-Reading comprehension:

1-Cite three types of AI:

Narrow AI- General AI- Superintelligent Ai

2- Cite two benefits of AI:

Increased efficiency and productivity- The ability to process and analyze vast amounts of data quickly

B-Grammar and vocabulary:

A-Complete the sentences with the correct form of the adjectives in brackets (5pts):

1-The updated software is more efficient (efficient) than the previous version.

2- The heavy-duty lathe is the most durable (durable) of all the lathes.

3- Steel is stronger (strong) than aluminum.

4- High-speed trains are faster (fast) than passenger trains.

5- Aerospace engineering is considered the hardest (hard) type of engineering.

B-Circle the causative verb:

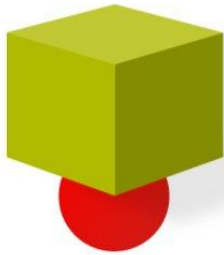1-This new software (does /allows/achieves) engineers to design more efficiently.

2-Engineers design tools and systems to (facilitate/arrange/destroy) the efficient completion of complex tasks.

3-Regular maintenance and appropriate lubrication methods (remove /ensure/go) that the bearings remain in optimal condition.
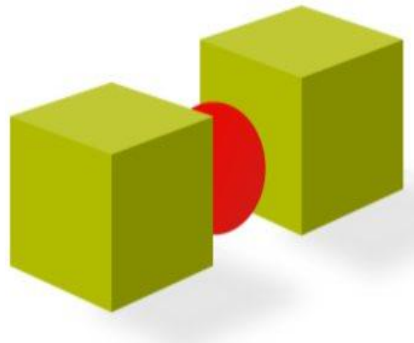
4-The new system (takes/stops/enables) the automation of routine tasks.

5-Proper maintenance (repairs/ works/ makes) the machinery operates smoothly.

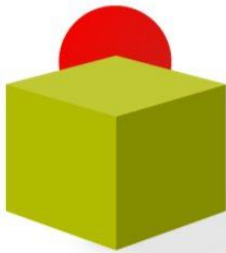**C-** Choose the right preposition of place for each picture: (inside, behind, between, on, under):
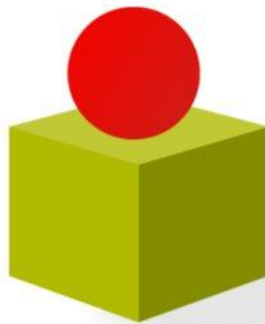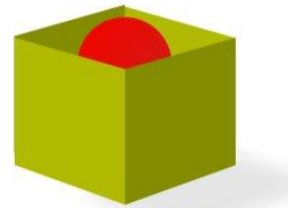
1- Under   2- Between

3- Behind   4- On   5- Inside