

# **ASVAB-SECTION-3**<sup>Q&As</sup>

ASVAB Section Three : Mechanical Comprehension

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#### **QUESTION 1**

In the water system shown below, assume that the main tank starts empty and that all the valves are closed.

In order for the tank to fill about halfway and keep that level, which valves have to be open?



- A. Valves A, B, and C
- B. Valves A, B, and D
- C. Valves A, E, and B
- D. Valves A, E, and C
- Correct Answer: B

Valves A, B, and D must be open for the tank to fill halfway and maintain that level.

Water flows in through Valve A (meaning that any choice not including Valve A is automatically incorrect),

and flows out when the tank is half full through Valve B.



However, for that water to leave the system Valve D must also be open.

#### **QUESTION 2**



In the figure above, if Cat A moves toward the middle of the seesaw to get a better look at the mouse, Cat B will

- A. remain stationary
- B. move toward the ground
- C. rise in the air
- D. instigate a cat fight
- Correct Answer: B

The Cat B will move towards the ground.

#### **QUESTION 3**

What are the three components of a lever?

- A. Resistance arm and effort arm
- B. A point of origin and solid plane
- C. A wide plane, fulcrum, and effort arm
- D. Fulcrum, resistance arm, and effort arm



Correct Answer: D

#### **QUESTION 4**

The purpose of mechanical comprehension is \_\_\_\_\_.

- A. to inform workers on the proper use and function of machines
- B. to determine how to adequately use mechanic\\'s tools
- C. to learn the use of various mechanisms
- D. to describe the training undergone by car mechanics

Correct Answer: A

#### **QUESTION 5**

Forces existing in pairs are sometimes called \_\_\_\_\_.

- A. action and interaction
- B. reaction and interaction
- C. action and reaction
- D. friction and gravity
- Correct Answer: C

A force cannot be exerted unless there is something there to push back. Forces exist in pairs. For every action there is a reaction.

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