

## NAT II Management Science Analytical

Sr	Questions	Answers Choice
1	<p>Multan Institute of Higher Studies plans to show five educational films A, B, C, D and E to a group of students. The film shows are planned in an order, which conforms to the following conditions:</p> <p>A must be shown earlier than C.</p> <p>B must be shown earlier than D.</p> <p>E should be the fifth film shown.</p> <p>Q: In case D and E are shown as far apart from each other as possible, which among the following would be true?</p>	<p>A. A is shown earlier than B</p> <p>B. B is shown earlier than C</p> <p>C. C is shown earlier than E</p> <p>D. D is shown earlier than A</p> <p>E. E is shown earlier than B</p>
2	<p>Multan Institute of Higher Studies plans to show five educational films A, B, C, D and E to a group of students. The film shows are planned in an order, which conforms to the following conditions:</p> <p>A must be shown earlier than C.</p> <p>B must be shown earlier than D.</p> <p>E should be the fifth film shown.</p> <p>Q: Which among the following is the pair of films that CANNOT be shown right before E?</p>	<p>A. A and B</p> <p>B. A and D</p> <p>C. B and C</p> <p>D. B and D</p> <p>E. C and D</p>
3	<p>Multan Institute of Higher Studies plans to show five educational films A, B, C, D and E to a group of students. The film shows are planned in an order, which conforms to the following conditions:</p> <p>A must be shown earlier than C.</p> <p>B must be shown earlier than D.</p> <p>E should be the fifth film shown.</p> <p>Q: Which among the following is an acceptable order for showing the educational films?</p>	<p>A. A, C, B, D, E</p> <p>B. A, C, D, E, B</p> <p>C. B, D, C, A, E</p> <p>D. B, D, E, A, C</p> <p>E. E, B, C, A, D</p>
4	<p>Multan Institute of Higher Studies plans to show five educational films A, B, C, D and E to a group of students. The film shows are planned in an order, which conforms to the following conditions:</p> <p>A must be shown earlier than C.</p> <p>B must be shown earlier than D.</p> <p>E should be the fifth film shown.</p> <p>Q: In case, D is to be shown earlier than A, then for which of the following these exactly one position from through fifth in which it can be scheduled to be shown?</p>	<p>A. A</p> <p>B. B</p> <p>C. C</p> <p>D. D</p> <p>E. E</p>
5	<p>Multan Institute of Higher Studies plans to show five educational films A, B, C, D and E to a group of students. The film shows are planned in an order, which conforms to the following conditions:</p> <p>A must be shown earlier than C.</p> <p>B must be shown earlier than D.</p> <p>E should be the fifth film shown.</p> <p>Q: In case, C is shown earlier than E, which among the following will hold true?</p>	<p>A. A is the second film shown.</p> <p>B. B is the second film shown.</p> <p>C. C is the third film shown.</p> <p>D. D is the fourth film shown.</p> <p>E. E is the fourth film shown.</p>

In a factory control room, there are three ON-OFF switches on the central control panel, labeled A, B and C. They are changed from default setting to a required setting based on the following rules:

In case only switch A is ON in the default setting, then turn switch B ON.

- 6 In case switches A and B are the only switches ON in the default setting, then turn switch C ON. In case all the three switches are ON, in default setting, then turn the switch C OFF. For any other default setting, turn ON all switches that are OFF and turn OFF all switches, if any, that are ON.

A. A ON, B ON, C OFF.  
B. A ON, B OFF, C ON.  
C. A OFF, B ON, C ON.  
D. A OFF, B ON, C OFF.  
E. A OFF, B OFF, C OFF.

Q: Which of the following default settings leads to a second setting, where only one switch is OFF?

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A. A ON, B ON, C ON.  
B. A ON, B OFF, C ON.  
C. A OFF, B ON, C OFF.  
D. A OFF, B OFF, C ON.  
E. A OFF, B OFF, C OFF.

Q: In case, only switch B is ON in the second setting. Which of the following could have been the default setting?

In a factory control room, there are three ON-OFF switches on the central control panel, labeled A, B and C. They are changed from default setting to a required setting based on the following rules:

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A. A ON, B ON, C ON.  
B. A ON, B ON, C OFF.  
C. A ON, B OFF, C ON.  
D. A ON, B OFF, C OFF.  
E. A OFF, B ON, C OFF.

Q: In case, switch A is OFF in the second setting. Which of the following could have been the default setting?

In a factory control room, there are three ON-OFF switches on the central control panel, labeled A, B and C. They are changed from default setting to a required setting based on the following rules:

In case only switch A is ON in the default setting, then turn switch B ON.

- 9 In case switches A and B are the only switches ON in the default setting, then turn switch C ON. In case all the three switches are ON, in default setting, then turn the switch C OFF. For any other default setting, turn ON all switches that are OFF and turn OFF all switches, if any, that are ON.

A. A ON, B ON, C ON.  
B. A ON, B ON, C OFF.  
C. A ON, B OFF, C ON.  
D. A ON, B OFF, C OFF.  
E. A OFF, B ON, C OFF.

Q: In case, all three switches are ON in the second setting, which among the following could have been the default setting?

In a factory control room, there are three ON-OFF switches on the central control panel, labeled A, B and C. They are changed from default setting to a required setting based on the following rules:

In case only switch A is ON in the default setting, then turn switch B ON.

- 10 In case switches A and B are the only switches ON in the default setting, then turn switch C ON. In case all the three switches are ON, in default setting, then turn the switch C OFF. For any other default setting, turn ON all switches that are OFF and turn OFF all switches, if any, that are ON.

A. A ON, B ON, C ON,  
B. A ON, B ON, C OFF,  
C. A ON, B OFF, C ON,  
D. A OFF, B OFF, C ON,  
E. A OFF, B OFF, C OFF,

Q: In case only switches B is ON in the default setting, what must be the second setting?