

Analytical Test for HEC HAT 4 Biological, Medical Sciences

Sr	Questions	Answers Choice
1	Choose the best answer; that is the response that most accurately and completely answers the question. Some critics are of the opinion that the intrinsic qualities of photography depend on criticism and hence it is a matter of opinion. It is rather odd, though that in a legal connections serious critics themselves quite often behave as if they believed criticism to be a matter of opinion. Why be a critic and teach in universities in case criticism involves nothing but uttering capricious and arbitrary opinions? In the above argument the author is trying to convince that	<p>A. The qualities of photography are not dependent on criticism.</p> <p>B. Critics seem hypocritical.</p> <p>C. People can not judge the art work</p> <p>D. Photography is an art independent of your opinion.</p> <p>E. Artists should teach at universities.</p>
2	Choose the best answer; that is the response that most accurately and completely answers the question. Our beliefs regarding the world cannot be certain. Even well confirmed scientific theory is likely to change over a short period if we do not try to understand then it is like to be away from the human race. Undoubtedly life is worth living in other respects as it is no mean thing to be an animal. It is also true that a man wishes to see this speculative domain beyond his next breakfast. From the above discussion it can be concluded that the author believes that	<p>A. Men spend a lot of time on thinking about future</p> <p>B. Science is the major hurdle in development</p> <p>C. Life is contingent so a man should not think about his future.</p> <p>D. Man is a social animal</p> <p>E. Men are different from animals on the basis of their reasoning abilities</p>
3	Choose the best answer; that is the response that most accurately and completely answers the question. The Rawalpindi city council started a publicity campaign for convincing the people to use public transport rather than their own transport in the city. After two months later there was a decrease in private transport on the roads in the mid city area. The city council claimed that their publicity campaign was successful to convince people to leave their cars at home and ride the city bus service to work. Which of the following if true create the most serious doubt on the conclusion drawn above?	<p>A. There was a subsequent increase in the use of CNG.</p> <p>B. The busiest roads of the city have been damaged because of continual floods in Nala Layee for last five months.</p> <p>C. People are busy enough to bring their vehicles on the roads.</p> <p>D. City council expended a lot of money to make the campaign successful.</p> <p>E. The number of cars has increased due to Bank loaning in the city.</p>
4	Choose the best answer; that is the response that most accurately and completely answers the question. About 20 percent of Pakistani husband think that wives with school going children to work outside the home. Only 10 percent of Iranian husband approves of mothers working if school going children live at home. Every day Pakistani wife and every third Iranian wife with school going children has a job outside her home. If above statement is correct, which of the following must be true?	<p>A. Iranian women have fewer children than Pakistani women.</p> <p>B. Iranian husband would seem to be less satisfied about working wives who have school going children than Pakistani husbands.</p> <p>C. More Iranian than Pakistani wives work outside the home.</p> <p>D. Iranian husband is having more conservative attitudes than Pakistani husbands are.</p> <p>E. Employment opportunities for Pakistani wives are greater than for Iranian wives.</p>
5	Choose the answer you think is most appropriate among the given options. Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates who can serve on three committees labeled A, B and C. Each candidate should serve on exactly one of the committees. Committees A should consist of exactly one member more than that of committees B. It is possible that there are no members of committees C. Among Z, Y and X none can serve on committee A. Among W, V and U none can serve on committee C. Among T, S and R none can serve on committee C. 15. In case any of the nine individuals serves on committee C, which among the following could not be the candidate to serve on committee A?	<p>A. R</p> <p>B. Y</p> <p>C. W</p> <p>D. T</p> <p>E. S</p>
6	Choose the answer you think is most appropriate among the given options. On a factory control room, there are three ON-OFF switches on central control panel, labeled A, B, and C. They are changed from 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. In case switches A and B are the only switches ON in the default setting, then turn the 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 all switches, if any that are ON. 33. In case only switch B is ON in the second setting, Which of the following could have been the default setting?	<p>A. A ON, B ON, C ON.</p> <p>B. A ON, B OFF, C ON.</p> <p>C. A OFF, B ON, C OFF.</p> <p>D. A OFF, B OFF, C ON.</p> <p>E. A OFF, B OFF, C OFF.</p>
7	Choose the answer you think is most appropriate among the given options. Two or more teas are made out of five varieties-- Livana, Mathia, Novajana, Oxia, and Piask are used in making all branded blends by a marketer following the rules given below. A brand containing Livana should also contain Novajana twice that of Livana. A brand containing Mathia must also have equal quantity of Oxia. A single brand never contains Novajana as well as Oxia. Oxia and Piask should not be used together. A blend containing Piask should contain it in such a proportion that the total amount of Piask present should be greater than the total amount of the other teas. 11. Among the below mentioned brands which can be made agreeable by	<p>A. One part Livana, one part Mathia, one part Novajana, four parts Piask</p> <p>B. One part Livana, two parts Novajana, one part Oxia, four parts Piask</p> <p>C. One part Livana, one part Mathia, one part Oxia, one part Piask</p> <p>D. Two parts Livana, two parts Novajana, one part Oxia, two parts Piask</p>

the other teleaves 17. Among the below mentioned brands, which can be made agreeable by the eliminating some or all of one type of teleaves?

Plask

E. Two parts Mathia, one part Novajana, two parts Oxia, three parts Plask

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Choose the answer you think is most appropriate among the given options. Four captains and the first mates of three of them were called to attend the annual meeting at head quarters. The captains were Luqman, Manzoor, Nauman and Osaf: the first mates were Ayesha, Durya and Gia. Each person in turn delivered a report to the chairperson as follows: Each of the first mates delivered their report exactly after her captain. The first captain to speak was Manzoor, and captain Nauman spoke after him. (Represent the person with first letter of his name) 20. Among the following statements which statement must be true?

- A. In case the second speaker was a captain, the seventh speaker was a first mate.
B. In case the second speaker was a first mate, the seventh speaker was captain.
C. In case the third speaker was a first mate, the seventh speaker was captain.
D. In case the third speaker was a captain, the seventh speaker was a first mate.
E. In case the seventh speaker was a first mate, the first and third speakers were captains.

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Choose the answer you think is most appropriate among the given options. On a factory control room, there are three ON-OFF switches on central control panel, labeled A, B, and C. They are changed from 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. In case switches A and B are the only switches ON in the default setting, then turn the 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 all switches, if any that are ON. 29. In case in default setting the switches A and B are ON and the switch C is OFF, then what could be the second setting?

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

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Choose the best answer; that is the response that most accurately and completely answers the question. In an in vitro study 160 white cats were injected with Salt X. 160 other white cats were injected with placebo. In two weeks 39% of the white cats who were injected with Salt X showed symptoms of Key fever? Hence it can be concluded that key fever is caused by some elements similar to the elements in Salt X. 3. Wall chalking on public property should be outlawed. Radicals and fanatics have no right to use public property when promoting their unsavory views. The argument above is based on the idea.

- A. The general public has an interest in the free exchange of different political views.
B. Every person who uses wall chalking for the promotion of ideas is a radical or fanatic.
C. Radicals and fanatics prefer the use of public property while propagating their viewpoint.
D. Legal constraints should be equal for all
E. Any promotional activity which is against public interest should be protected by law

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Choose the best answer; that is the response that most accurately and completely answers the question. In an in vitro study 160 white cats were injected with Salt X. 160 other white cats were injected with placebo. In two weeks 39% of the white cats who were injected with Salt X showed symptoms of Key fever? Hence it can be concluded that key fever is caused by some elements similar to the elements in Salt X. 2. Which of the following would most strengthen the argument above?

- A. Some of the elements in Salt X are extracted from the root of a certain poisonous herb of Hunza.
B. The blood test of the victims of Kay fever revealed the presence of a toxic element in their blood, normally found in salt X.
C. Almost all the white cats died within two days after the first symptom appeared.
D. Normally the rate of Kay fever among white cats is less than 0.01 %.
E. Within two weeks about 40 % of the white cats who were injected with placebo also contracted Kay fever.

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Choose the answer you think is most appropriate among the given options. Four captains and the first mates of three of them were called to attend the annual meeting at head quarters. The captains were Luqman, Manzoor, Nauman and Osaf: the first mates were Ayesha, Durya and Gia. Each person in turn delivered a report to the chairperson as follows: Each of the first mates delivered their report exactly after her captain. The first captain to speak was Manzoor, and captain Nauman spoke after him. (Represent the person with first letter of his name) 18. Which of the following order of delivering report is not conformable with the conditions?

- A. M, A, N, G, O, L, D
B. M, D, N, G, L, O, A
C. M, N, A, L, D, O, G
D. M, N, A, O, D, L, G
E. M, N, G, D, O, L, A

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Choose the answer you think is most appropriate among the given options. Nine individuals - Z, Y, X, W, V, U, T, S and R - are the only candidates who can serve on three committees labeled A, B and C. Each candidate should serve on exactly one of the committees. Committees A should consist of exactly one member more than that of committees B. It is possible that there are no members of committees C. Among Z, Y and X none can serve on committee A. Among W, V and U none can serve on committee C. Among T, S and R none can serve on committee C. 16. In case T, S and X are the only individuals serving on committee B, the total membership of committee C should be:

- A. Z and Y
B. Z and W
C. Y and V
D. Y and U
E. X and V

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Choose the answer you think is most appropriate among the given options. 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: A must shown earlier than C. B must shown earlier than D. E should be the fifth film shown. 40. In case B, D and E are to be shown one after the order in the given order, the two positions from first to fifth in which A could possibly be shown are

- A. First and second.
B. First and fourth.
C. Second and third.
D. Third and fifth.
E. Fourth and fifth.

Choose the answer you think is most appropriate among the given options. Four captains and the first mates of three of them were called to attend the annual meeting at head quarters.

- A. A spoke sometime before L

15	<p>The captains were Luqman, Manzoor, Nauman and Usaf: the first mates were Ayesha, Durya and Gia. Each person in turn delivered a report to the chairperson as follows: Each of the first mates delivered their report exactly after her captain. The first captain to speak was Manzoor, and captain Nauman spoke after him. (Represent the person with first letter of his name) 19. In case A is the third of the first mates to speak, and L is the captain whose first mate is not present, which among the following statements must be true?</p>	<p>B. D spoke sometime Before O. C. L spoke sometime Before O. D. O spoke sometime Before L. E. O spoke sometime Before N.</p>
16	<p>Choose the best answer; that is the response that most accurately and completely answers the question. In an examination Rizwana has more marks than the Fauzia Shugufta has fewer marks than the Zahid, Fauzia and Abid have more marks than Shugufta. If the above is true, which of the following must also be true?</p>	<p>A. The Fauzia has fewer marks than the Shugufta. B. Rizwana has more points than the Shugufta C. Fauzia has fewer points than Zahid. D. Zahid has more points than the Rizwana. E. Zahid has more points than Abid.</p>
17	<p>Choose the answer you think is most appropriate among the given options. On a factory control room, there are three ON-OFF switches on central control panel, labeled A, B, and C. They are changed from 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. In case switches A and B are the only switches ON in the default setting, then turn the 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 all switches, if any that are ON. 32. In case switch A is OFF in the second setting. Which of the following could have been the default setting?</p>	<p>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.</p>
18	<p>Choose the answer you think is most appropriate among the given options. 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: A must be shown earlier than C. B must be shown earlier than D. E should be the fifth film shown. 41. In case exactly one film is shown between A and C, and exactly one film is shown between B and D, which among the following will hold true?</p>	<p>A. B is the film shown between A and C. B. C is the film shown between B and D. C. E is the film shown between A and C. D. D is the last film shown. E. E is the first film shown.</p>
19	<p>Choose the answer you think is most appropriate among the given options. Four captains and the first mates of three of them were called to attend the annual meeting at head quarters. The captains were Luqman, Manzoor, Nauman and Usaf: the first mates were Ayesha, Durya and Gia. Each person in turn delivered a report to the chairperson as follows: Each of the first mates delivered their report exactly after her captain. The first captain to speak was Manzoor, and captain Nauman spoke after him. (Represent the person with first letter of his name) 21. In case A spoke immediately after L and immediately before O, and O was not the last speaker, L spoke</p>	<p>A. Second B. Third C. Fourth D. Fifth E. Sixth</p>
20	<p>Choose the answer you think is most appropriate among the given options. 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: A must be shown earlier than C. B must be shown earlier than D. E should be the fifth film shown. 38. Which among the following is a pair of films that CANNOT both be shown earlier than E?</p>	<p>A. A and B B. A and D C. B and C D. B and D E. C and D</p>