

## Analytical Test for HEC HAT 3 Arts & Humanities, Social Sciences

Sr	Questions	Answers Choice
1	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. 31. In case all the three switches are ON in the second setting, which among the following could have been the default setting?	<p>A. A ON, B ON, C ON.  <b>B. A ON, B ON, C OFF.</b>            C. A ON, B OFF, C ON.            D. A ON, B OFF, C OFF.            E. A OFF, B ON, C OFF.</p>
2	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) 21. In case A spoke immediately after L and immediately before O, and O was not the last speaker, L spoke	<p>A. Second            B. Third  <b>C. Fourth</b>            D. Fifth            E. Sixth</p>
3	Choose the answer you think is most appropriate among the given options. Six scientists A, B, C, D, E, and F are to present a paper each at a one-day conference. Three of them will present their papers in the morning session before the lunch break whereas the other three will be presented in the afternoon session. The lectures have to be scheduled in such a way that they comply with the following restrictions: B's should present his paper immediately before C's presentation; their presentations cannot be separated by the lunch break. D must be either the first or the last scientist to present his paper. 45. In case C is to be the fifth scientist to present his paper, then B must be.	<p>A. First            B. Second            C. Third            D. Fourth  <b>E. Sixth</b></p>
4	Choose the answer you think is most appropriate among the given options. New specie of bacteria A, causes the infectious disease A. The first symptoms appear after two days since the bacteria A enters the body of the victim. The carrier for the bacteria is some flies, mosquitoes, and bees. A mosquito bit Javed on Monday, February 6. Farooq worked with Javed the next day, Tuesday, February 7. There were no other possibilities of exposure to disease A. 24. In case Javed showed symptoms of disease A, which of the following statements would be true? d. Javed contracted the Disease A from Farooq. e. Javed first noticed symptoms of Disease A on February 8. f. The fly that Javed was bitten by was not a carrier of the bacteria A.	<p>A. I only  <b>B. II only</b>            C. III only            D. I and II only            E. I and III only</p>
5	Choose the best answer; that is the response that most accurately and completely answers the question. In 1970, Shaheen Inn earned Rs. 10 million in hotel business. By 1990, revenue doubled and in 2000, it reached the sum of Rs. 40 millions Each of the following if true may explain the trend in hotel business except.	<p><b>A. The number of total hotel rooms has increased.</b>            B. Average expenditure per room has increased.            C. The number of customers has increased from 1970 to 1990.            D. Average stay per customer has increased.            E. The average price of customer services has increased.</p>
6	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. 13. Of the nine individuals, the largest number that can serve together on committee C is	<p>A. 9            B. 8            C. 7  <b>D. 6</b>            E. 5</p>
7	Choose the best answer; that is the response that most accurately and completely answers the question. One's ability to adjust in environment successfully leads to happiness. War at a universal level destroys the weaker people who are the most unable to adjust to their environment. Thus, war at the universal level puts weaklings out of their misery and allows more space for their predators to enjoy life in a better manner. As those actions have to be performed which maximize the level of happiness of the greatest number war at a universal level should take place. 5. What response would the author of the above discussion come up with in the case of the objection that the weaklings far exceed strong people? I. He would respond with the statement that the person making the objection is a weakling. II. He would respond by saying that weaklings will be miserable no matter what happiness. III. He would respond with the statement that the strong would be frustrated if the weaklings are destroyed.	<p>A. I only            B. II only            C. III only            D. I and II only  <b>E. II and III only</b></p>
		<p>A. The most profitable producer in the city receives revenue from its subscribers as well from advertisers.            B. Advertisers generally switch from ..</p>

8	<p>Choose the best answer; that is the response that most accurately and completely answers the question. Drama Producers earn their profits primarily from advertising revenue, and potential advertisers are more likely to advertise in TV with a wide network, a large number of cable operators and other views than with other channels. However the coverage of the channel that is currently the most popular one in this city has steadily declined during the last two years, while the coverage of one of its competitors has steadily increased. Any of the following if true would help explain the apparent discrepancy between the two statements above EXCEPT:</p>	<p>the most popular channel to another one only when the other one becomes the most popular instead.  <b>C. The number of channels competing viably with the most profitable channel in the city has increased during the last two years.</b>  D. The network of the most profitable TV channel in the city is still greater than of any of its competitors.  E. Advertising rates charged by the most profitable TV channel in the city are significantly higher than those charged by its competitors.</p>
9	<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. In case D is to be shown earlier than A then for which of the following is exactly the one position from first through fifth in which it can be scheduled to be shown?</p>	<p>A. A  B. B  <b>C. C</b>  D. D  E. E</p>
10	<p>Choose the best answer; that is the response that most accurately and completely answers the question. Dieticians claim that treatment of those people who seek help to quit the habit of over eating, are unable to stop overeating. Therefore doctors have concluded that success in breaking such habit is rare. A large scale survey shows that thousands of people have quit the habit of over eating. If both of the statements above are correct an explanation that resolves their apparent contradiction is</p>	<p>A. Dieticians do not work seriously so the people are not satisfied with their treatment.  B. The survey was conducted at only the posh areas of big cities, so it is based on wrong sample  C. Will power play vital role in success to quite such habits  D. People need more food.  <b>E. Those who succeed in quitting the over eating do not go dieticians for treatment and so are not included in the dieticians data</b></p>
11	<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>B. Rizwana has more points than the Shugufta</b>  C. Fauzia has fewer points than Zahid.  D. Zahid has more points than the Rizwana.  E. Zahid has more points than Abid.</p>
12	<p>Choose the best answer; that is the response that most accurately and completely answers the question. Follow is to the real Pakistan leaving behind the disturbances of civilization. Real Pakistan is still inhabited by the eagle, the cow, the black deer, and tigers; it is still spacious, sprawling, and majestic. Experience the freedom and serenity still to be found in _____, 8. The above paragraph is most likely to appear in which of the following?</p>	<p>A. A Guide to Wild life in Pakistan  B. Exploring the great Outdoors  C. The Quiet Beauty of Harppa  <b>D. How the Eagle Became Extinct</b>  E. Returning of Pakistan.</p>
13	<p>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>	<p>A. Men spend a lot of time on thinking about future  B. Science is the major hurdle in development  C. Life is contingent so a man should not think about his future.  D. Man is a social animal  <b>E. Men are different from animals on the basis of their reasoning abilities</b></p>
14	<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. 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?</p>	<p><b>A. A ON, B ON, C ON.</b>  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.</p>
15	<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. 34. Which of the following default settings leads to a second setting, where only one switch is OFF?</p>	<p>A. A ON, B ON, C OFF.  B. A ON, B OFF, C ON.  C. A OFF, B ON, C ON.  <b>D. A OFF, B ON, C OFF.</b>  E. A OFF, B OFF, C OFF.</p>
16	<p>Choose the answer you think is most appropriate among the given options. An Internal Services Manager at a large corporation has been assigned the task of allotting offices to six of the staff members. The offices are titled A through F. Mrs. Ruby needs to use the telephone quite often throughout the day. Mr. Mujahid and Mr. Zahid need adjacent offices as they need to consult each other often while working. Mrs. Fauzia is a senior employee and has to be allotted the office marked E, having the biggest window. Mr. Abid requires silence in the offices next to his. Mr. Shahid, Mr. Mujahid, and Mr. Abid are all smokers. Mrs. Fauzia requires non-smoker neighbors. Unless specifically stated all the employees maintain an atmosphere of silence during office hours. 4. The ideal candidate to occupy the office farthest from Mr. Zahid</p>	<p>A. Mrs. Fauzia  B. Mr. Mujahid  C. Mr. Shahid  <b>D. Mr. Abid</b>  E. Mrs. Ruby</p>

- 17 Choose the answer you think is most appropriate among the given options. New specie of bacteria A, causes the infectious disease A. The first symptoms appear after two days since the bacteria A enters the body of the victim. The carrier for the bacteria is some flies, mosquitoes, and bees. A mosquito bit Javed on Monday, February 6. Farooq worked with Javed the next day, Tuesday, February 7. There were no other possibilities of exposure to disease A. 27. In case Farooq displayed symptoms of Disease A. which of the following would be true? m. Farooq was bitten by a bee on February 6. n. Farooq ate food, which contained the bacteria A. o. Farooq also worked with Javed on February 6.
- A. I only  
B. II only  
C. III only  
D. I and II only  
E. I, II and III
- 18 Choose the answer you think is most appropriate among the given options. An Internal Services Manager at a large corporation has been assigned the task of allotting offices to six of the staff members. The offices are titled A through F. Mrs. Ruby needs to use the telephone quite often throughout the day. Mr. Mujahid and Mr. Zahid need adjacent offices as they need to consult each other often while working. Mrs. Fauzia is a senior employee and has to be allotted the office marked E, having the biggest window. Mr. Abid requires silence in the offices next to his. Mr. Shahid, Mr. Mujahid, and Mr. Abid are all smokers. Mrs. Fauzia requires non-smoker neighbors. Unless specifically stated all the employees maintain an atmosphere of silence during office hours. 6. The ideal office for Mr. Mujahid would be.
- A. B  
B. F  
C. A  
D. C  
E. D
- 19 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. 17. Among the following combinations which could constitute the membership of committee C?
- A. Y and T  
B. X and U  
C. Y, X and W  
D. W, V and U  
E. Z, X, U and R
- 20 Choose the best answer; that is the response that most accurately and completely answers the question. Professor Taimoor told his class that teacher's evaluation by students is not a valid measure of teaching quality. For this evaluation students should fill out questionnaires at the end of the course. Which of the following is true supports professor Taimoor's suggestion?
- A. Students evaluation of teachers is a wrong method.  
B. Students opinions against teachers are filtered during course.  
C. Professor Taimoor had received low rating from his students.  
D. Teachers are not interested in any survey.  
E. Students show interest in teacher evaluation.