



Admission Tech

EAST WEST

Question Fall 2018



Section: I Sentence Correction

20 Questions

Directions: This test consists of a number of sentences, in each of which some part or the whole is underlined. Each sentence is followed by four alternative versions of the underlined portion. Select the alternative you consider both most correct and most effective according to the requirements of standard written English. Answer (A) is the same as the original version; if you think the original version is best, select answer (A).

In considering the answer choices, be attentive to matters of grammar, diction and syntax, as well as clarity, precision, and fluency. Do not select an answer that alters the meaning of the original sentence.

1. It is a special feature of cell aggregation in the developing nervous system that in most regions of the brain the cells not only adhere to one another and also adopt some preferential orientation.
(A) to one another and also adopt (B) one to the other, and also they adopt
(C) one to the other, but also adopting (D) to one another but also adopt
2. A recent social research study indicates that even after a decade young men and women still experience some of the effects of a divorce occurring when a child.
(A) occurring when a child (B) that occurred when a child
(C) that occurred when they were children (D) that has occurred as each was a child
3. A fire in an enclosed space burns with the aid of reflected radiation that preheats the fuel, making ignition much easier and flames spreading more quickly.
(A) flames spreading (B) flame spreads
(C) flames are caused to spread (D) causing flames to spread
4. The residents' opposition to the spraying program has rekindled an old debate among those who oppose the use of pesticides and those who feel that the pesticides are necessary to save the trees.
(A) among those who oppose the use of pesticides and
(B) between those who oppose the use of pesticides and
(C) among those opposing the use of pesticides with a
(D) between those who oppose the use of pesticides with
5. The commission has directed advertisers to restrict the use of the word "natural" to foods that do not contain color or flavor additives, chemical preservatives, or nothing that has been synthesized.
(A) or nothing that has been (B) nor anything that was
(C) and nothing that is (D) or anything that has been
6. Slips of the tongue do not necessarily reveal concealed beliefs or intentions but rather are the result from the competition between various processing mechanisms in the brain.
(A) but rather are the result from (B) and instead are the result from
(C) being rather the result of (D) but rather result from
7. Most victims of infectious mononucleosis recover after a few weeks of listlessness, but an unlucky few may suffer.
(A) but an unlucky few may suffer (B) and an unlucky few have suffered
(C) that an unlucky few might suffer (D) that a few being unlucky may suffer





8. The Bid sale on Arong goods will begin at 9 a.m. in their premise and continue until the supply lasts during the month of Ramadan.
- (A) will begin at 9 a.m. in their premise and continue until the supply lasts
 - (B) begins at 9 a.m., in their premise continuing until the supply lasts
 - (C) will begin at 9 a.m. in their premise and, until the supply lasts, will continue
 - (D) will begin at 9 a.m. in their premise and continue as long as the supply lasts
9. Because young children do not organize their attention or perceptions systematically, like adults, they may notice and remember details that their elders ignore.
- (A) like adults
 - (B) as adults
 - (C) as adults do
 - (D) as an adult
10. The medieval scholar made almost no attempt to investigate the anatomy of plants, their mechanisms of growth, nor the ways where each was related to the other.
- (A) nor the ways where each was related to the other
 - (B) nor how each was related to some other
 - (C) or the way where one is related to the next
 - (D) or the ways in which they are related to one another
11. The CEO failed to deal with widespread corruptions within the company.
- (A) The CEO failed to deal with widespread corruptions within the company.
 - (B) The CEO failed to deal with widespread corruption within the company.
 - (C) The CEO failed to deal widespread corruptions within the company.
 - (D) The CEO failed to deal with widespread corruption within company.
12. The challenge for the nuclear power industry is to make the technology as safe and secured as possible.
- (A) make the technology as safe and secured as possible.
 - (B) make the technology as safer and secured as possible.
 - (C) make the technology as much safe and secured as possible.
 - (D) make the technology as safe and secure as possible.
13. India's pharmaceutical company Lupin said it is in the process of set up two new R&D centers in the US, focusing on research in inhalation and on complex formulations.
- (A) it is in the process of set up
 - (B) it's in the process of setting up
 - (C) it's in the process of set up
 - (D) it is in the process of setting up
14. Jute grower have started harvesting their cash crop across the country but there is no visible benefit in producing jute due to low market price, said officials and farmers.
- (A) Jute grower have started harvesting their cash crop across the country
 - (B) Jute growers have started harvest their cash crop across the country
 - (C) Jute growers have started harvesting their cash crop across the country
 - (D) Jute grower have started harvesting his cash crop across the country
15. The existential vice at which the state of Israel lives is tightening as the civilian body count and property destruction in the Gaza Strip mount.
- (A) at which the state of Israel lives is tightening
 - (B) in which the state of Israel lives is tightening
 - (C) in which the state of Israel live is tightening
 - (D) in which the state of Israel lives are tightening





16. I think the reason why Zahid has been promoted to operations manager is because of his performance.
(A) the reason why Zahid has been promoted to operations manager is because
(B) Zahid has been promoted to operation manager is because
(C) the reason why Zahid has been promoted to operation manager is because
(D) Zahid has been promoted to operations manager because
17. I ask the question whether trainees can attend the professional development course offered this summer.
(A) I ask the question whether trainees
(B) I ask the question if trainees
(C) I ask the question whether trainee
(D) I ask whether trainees
18. That paperwork has been laying on my desk for days.
(A) has been laying on my desk for days.
(B) has been lying on my desk for days.
(C) has been laying on my desk for day.
(D) has been laying on my desk since days.
19. It would be appreciated if you could approved my request to attend the annual general meeting.
(A) It would be appreciated if you could approved
(B) It would be appreciated if you could approve
(C) It would be appreciating if you could approve
(D) It would be appreciated if you can approve
20. Migrant workers last month had sent home \$1.48 billion, the highest inflow of remittance in a single month in Bangladesh's history.
(A) Migrant workers last month had sent home
(B) Migrant workers last month sent home
(C) Migrant workers last month sent to home
(D) Migrant workers last month send at home

Section II Reading Comprehension

15 Questions

Direction: Each passage in this group is followed by questions based on its content. After reading the passage, choose the best answer to each question and fill in the corresponding oval on the answer sheet. Answer all the question following a passage on the basis of what is stated or implied in that passage.

Passage 1: Questions 21-27

Begum Rokeya Sakhawat Hosain was born in 1880 in the village of Pairaband in the British colonial period, which later became the northern part of Bangladesh. Born into an upper-class landowning Muslim family, Rokeya was not allowed to attend school, or even to learn Bengali or English. While her brothers were encouraged to be educated, she and her sisters were not. She was only taught to read Arabic and Urdu, in order to be able to read the Quaran and books on "proper" conduct for women.

According to one of her biographers, she so valued her identity as a Bengali that she defied custom and persisted in learning Bengali under the supervision of her elder brothers. To one of her brothers, Begum Rokeya remained so ever grateful that she dedicated her novel Padmaraga to him, who also taught her English and Bangla secretly. In 1896, Rokeya was married to Khan Bahadur Sakhawat Hosain, the Deputy Magistrate of Bhagalpur. Her husband was proud of her quick





intelligence and encouraged her to befriend educated Hindu and Christian women and to learn English. Rokeya Hosain then began pursuing her philanthropic and reformist activities. She established a girl's school (Shakawat Memorial School) in Bhagalpur and then moved it to Calcutta, where it continues to flourish.

At a very early age, Rokeya Hosain made up her mind to fight against the unthinking observance of customs, especially those that struck her to be absurd or unjust. Rokeya wrote courageously against restrictions on women and to promote their emancipation, which she believed would come by breaking the gender division of labor. When women were able to undertake whatever profession they chose, she argued, then **segregation** and discrimination would cease. Initially, her requests for help in furthering women's education were ignored by the rich and influential Muslims of Calcutta.

She founded the Anjuman-e-Khawatin-e-Islamm (Muslim Women's Association), and slowly began to win support for helping disadvantaged women. Hosain saw her writing as a means of challenging people to reconsider some of the basic principles of their society and thereby affect social reform. Hers was the project of consciousness raising, and so she wrote mostly in Bangla. She adopted a style that would best carry out her purposes. She had a keen eye for the vulnerable points of her opponents, and used humor, irony, satire, and pathos to make her case. While her writings focused on the lives of Bengali Muslim women, she was deeply concerned with larger issues affecting the Bengali Muslim community as a whole. Rokeya wrote *Sultana's Dream* in 1905 to test her proficiency in English. Her husband, who read the manuscript, was very impressed. "A terrible revenge," he commented.

Rokeya Hosain challenged traditionalist beliefs about the **innate** superiority of men on religious grounds. Similarly, she argued for the education of women for self-realization and the fullest development of women's potential as human beings and also encouraged women to

educate themselves not only in the arts but also in the sciences, so that they could work and become economically independent

21. Begum Rokeya had to study books on "proper" conduct for women which meant
- (A) she was made to read only Arabic and Urdu
 - (B) she was made read what she never wanted to
 - (C) she was made to read books to cultivate the etiquettes of a Muslim woman
 - (D) she had to read books on general education
22. Rokeya's husband's comment "A terrible revenge" on reading the manuscript of her book *Sultana's Dream* implied
- (A) he was terribly happy about her writing
 - (B) it was a justified attack on men
 - (C) she had taken a terrible revenge on the patriarchal society
 - (D) she had taken a terrible revenge on the fact that men were not innately superior to women
23. The word 'segregation' in paragraph 3 is closest to
- (A) integration
 - (B) division
 - (C) isolation
 - (D) separation
24. Rokeya Hosain challenged traditionalist beliefs about the innate superiority of men on religious grounds implies she
- (A) religiously motivated
 - (B) feminist
 - (C) rational and argumentative
 - (D) fought for social injustice against women





25. The word 'vulnerable' in paragraph 4 is closest in meaning to
(A) invincible (B) weak (C) exposed to (D) at risk
26. The word 'philanthropic' in paragraph 2 is closest in meaning to
(A) generous (B) nasty (C) benevolent (D) giving
27. The word 'innate' in paragraph 5 is closest in meaning to
(A) intrinsic (B) cultivated (C) nature (D) inborn

Passage 2: Questions 28-35

It was a rare example of Egypt doing something that pleased economists. On July 5th fuel prices rose as the government removed a portion of its generous subsidy. The price of a liter of the most commonly used petrol rose by 41% to 2.6 Egyptian pounds (\$0.36); the price of a cubic meter of compressed natural gas, used mainly by taxis, rose by 175% to 1.1 pounds. Despite the odd protest and much resentment among the poor, Abdel Fattah al-Sisi, Egypt's new president, appears to have **pulled off** a reform long urged by the IMF and long postponed by previous presidents.

Mr. Sisi seems determined to fix Egypt's economy. It has struggled during the past three years of political turmoil, which turned off investors and caused tourism to collapse. Earlier this month he refused to sign the budget until the finance minister cut the planned deficit for the coming fiscal year from 12% to 10%. Whether the new sums add up is not clear, but already this year Egypt has introduced a tax on stock market gains and plans to bring in value-added and property taxes too.

This, plus an influx of money from Gulf countries keen on Egypt's new regime, has led to a **cautious improvement in investor sentiment**. Wealthy local businessmen have been sweet-talked or coerced into announcing that they too will be investing at home.

Yet such moves fall far short of the overhaul Egypt's economy needs. The country had decent growth rates from 2004 to 2011, but a lot of it was driven by "real estate rather than productive activity", says Muhammad al-Komi of the American University of Cairo. As well as political turbulence, he blames a large, inefficient bureaucracy and poor education for hobbling growth.

Egypt needs to spend more on education, health and research - a goal enshrined in the new constitution. But much of its budget is eaten up by subsidies, along with salaries for the sprawling bureaucracy and interest payments on its debt. Egypt's private sector remains dominated by big conglomerates; thanks to a lack of access to capital and land, small companies struggle to grow. A recent World Bank study found that only 17% of Egyptian firms, and only 13% of smaller ones, had borrowed from formal financial institutions. These are hard things to fix, and Mr. Sisi may be loath to upset his base in the civil service or risk more discontent at a time when he is already suppressing dissent.

28. Which of the following statements would the author of this essay mostly agree with?
- (A) Mr. Sisi is likely to risk more discontent.
(B) A lack of access to capital and land is praiseworthy.
(C) The current growth of small companies is satisfactory.
(D) Mr. Sisi is restraining disagreement.





29. It can be inferred from the passage that
(A) Egyptian government policies usually please economists.
(B) previous presidents of Egypt continued subsidizing fuel.
(C) the IMF is against the economic reform.
(D) Egypt's new president loves reforms.
30. The phrase 'pull off' in paragraph one is closest in meaning to
(A) to carry out despite difficulties (B) to carry out with ease
(C) to remove forever (D) to replace with a better one
31. Which of the following is a synonym for the word 'coerced' in paragraph three?
(A) prescribed (B) compelled (C) ordered (D) anticipated
32. Why does the author think that Mr. Sisi seems determined to fix Egypt's economy?
(A) He has struggled during the past three years.
(B) The political turmoil turned off the investors,
(C) The political turmoil caused tourism to collapse.
(D) Mr. Sisi refused to sign the budget with higher deficit.
33. Which of the following changes, according to the passage, has NOT taken place this year?
(A) A tax on stock market gains (B) A cut on fuel subsidy
(C) An increase in foreign currencies (D) Introduction of property taxes
34. What does "a cautious improvement in investor sentiment" in paragraph three mean?
(A) A temporary progress in investment (B) A careful investment analysis
(C) A careful attention to sentiment (D) A sentimental carefulness in investment
35. According to the passage, which of the following statements is TRUE?
(A) Egypt has an efficient bureaucracy
(B) Egypt has a shrinking bureaucracy
(C) Egypt pays a large sum of money as interests
(D) Egyptian education can improve its economy

Section III: Mathematics

40 Questions

36. A bus uses one gallon of petrol to travel 15 km. After a tune-up, the bus travels 15% farther on one gallon. How many gallons of petrol will it take for the bus to travel 150 km after a tune-up?
(A) 8.5 (B) 8.7 (C) 8.9 (D) 9.0
37. If $8 + \sqrt{k} = 15$, then $k = ?$
(A) 7 (B) 49 (C) 529 (D) $\sqrt{7}$
38. If a and b are possible integers and $(a^{1/2} b^{1/3})^6 = 432$, what is the value of ab ?
(A) 6 (B) 12 (C) 18 (D) 24
39. The average of a group of 8 numbers is 9. If 1 of these numbers is removed from the group, the average of the remaining number is 7. What is the value of the number removed?
(A) 72 (B) 63 (C) 49 (D) 23





40. Laila invested Tk. 10,000 in a new mutual fund account exactly three years ago. The value of the account increased by 10 percent during the first year, increased by 5 percent during the second year, and decreased by 10 percent during the third year. What is the value of the account today?
(A) Tk. 10500 (B) Tk. 10395 (C) Tk. 10500 (D) Tk. 11500
41. In an increasing sequence of 10 consecutive integers, the sum of the first 5 integers is 560, what is the sum of the last 5 integers in the sequence?
(A) 585 (B) 580 (C) 575 (D) 570
42. Monti always jogs to school at a speed of 6 kilometers per hour, and walks home along the same route at a speed of 3 kilometers per hour. If he spends exactly one hour total traveling both ways, how many kilometers is his school from his home?
(A) 2 (B) 3 (C) 4 (D) 6
43. If $\frac{x}{y} = \frac{2}{3}$, what is the value of $\frac{3x}{2y}$?
(A) 1/3 (B) 2/3 (C) 1 (D) 3/2
44. How much will it cost to fence a field that is 12 feet long and 42 feet wide with fence that costs Tk. 10 a yard?
(A) Tk. 180 (B) Tk. 360 (C) Tk. 504 (D) Tk. 1080
45. Two nations produce $\frac{1}{5}$ and $\frac{3}{10}$, respectively, of the world production of aluminum. What fraction of world production do the other nations produce together?
(A) $\frac{2}{5}$ (B) $\frac{1}{2}$ (C) $\frac{1}{4}$ (D) $\frac{3}{5}$
46. The price of an article has been reduced 25%. In order to restore the original price, the new price must be increased by
(A) 20% (B) 25% (C) 33-% (D) 40%
47. If 25% of 260 equals 6.5% of a, what is a?
(A) 10 (B) 65 (C) 1000 (D) 130
48. If $21 = 3x^2$, what is x^2 ?
(A) 5 (B) 10 (C) 25 (D) 100
49. What is 10% of 20 % of 30 %?
(A) 0.006% (B) 0.6% (C) 6% (D) 60%
50. Rima bought four books that cost Tk. 6.00 each and two books that cost Tk. 3.00 each. What is the average cost of the six books?
(A) 3 (B) 4 (C) 5 (D) 6





51. A man travels from A to B at 4 km/h and from B to A at 6 km/h. The total journey takes 45 minutes. Find the distance traveled.
(A) 3 km (B) $3\frac{1}{2}$ km (C) $3\frac{3}{5}$ km (D) $3\frac{2}{5}$ km
52. Find the next number of the series: 3, 6, 4, 9, 5, 12, 6,?
(A) 7 (B) 9 (C) 12 (D) 15
53. There are 50 students enrolled in Business Studies. Of the enrolled students 90% took the final exam. Two-thirds of the students who took the final exam passed the final exam. How many students passed the final exam?
(A) 30 (B) 33 (C) 34 (D) 35
54. On a 400-mile trip, car X traveled half the distance at 40 miles per hour and the other half at 50 miles per hour. What was the average speed of car X?
(A) 45 (B) $44\frac{4}{9}$ (C) 40 (D) $45\frac{4}{9}$
55. If the length of a rectangle is 4 times its width, and if its area is 144, what is its perimeter?
(A) 6 (B) 24 (C) 30 (D) 60
56. How many squares with sides — inch long are needed to cover a rectangle that is 4 feet long and 6 feet wide?
(A) 24 (B) 96 (C) 13824 (D) 3456
57. A jar contains 10 red marbles and 30 green ones. How many red marbles must be added to the jar so that 60% of the marbles will be red?
(A) 25 (B) 30 (C) 35 (D) 40
58. In a class of 200 students, forty percent are girls. Twenty -five percent of the boys and 10 percent of the girls signed up for a tour to Cox's Bazaar. What percent of the class signed up for the tour?
(A) 19% (B) 23% (C) 25% (D) 27%
59. The decimal 0.1 is how many times greater than the decimal $(0.001)^3$?
(A) 10 (B) 10^2 (C) 10^3 (D) 10^8
60. If $x = y/2$ and $y = z/2$, then $\sqrt{(x/z)} = ?$
(A) 4 (B) 2 (C) 1 (D) $1/2$
61. If 0.6 is the average of the four quantities 0.2, 0.8, 1.0, and x. What is the numerical value of x?
(A) 0.2 (B) 0.4 (C) 0.67 (D) 1.3
62. In a basket of fruits, the ratio of number of apples, bananas, and oranges is 3:4:8. If the number of apples is 9, how many bananas does the basket have?
(A) 4 (B) 8 (C) 10 (D) 12
63. Amio, working alone, can finish a certain job in 10 days; and Somio, working alone, can finish the same job in 15 days. If Amio and Somio are working together how many days do they need to finish the job?
(A) 25 days (B) 12.5 days (C) 6 days (D) 8 days





64. A small airplane can carry less than 1.050 pounds of luggage and mail. The mail for the day weighs 490 pounds. If each passenger brings 70 pounds of luggage, what is the greatest possible number of passengers that can be taken?
(A) 15 passengers (B) 7 passengers (C) 8 passengers (D) 9 passengers
65. Ms. Rumana purchased a number of juice packs at a cost of Tk. 20 each and a loaf of bread that cost Tk. 100. The total cost of her purchases was Tk. 300. Which equation can you use to determine how many juice packs Ms. Rumana purchased? (Juice is considered as J)
(A) $300 - 20J = 20$ (B) $10J + 300 = 100$ (C) $20J + 100 = 300$ (D) $30J + 100 = 300$
66. Three persons A, B, C whose salaries together amount Tk. 7200, spend 80%, 85% and 75% of their salaries respectively. If their savings are 8:9:20. Find salary of B
(A) 2800 (B) 1600 (C) 3200 (D) 2400
67. Rezoan started a business investing Tk. 50,000. Four month after he started, Ameer joined him with a capital of Tk. 90,000. If at the end of the year the total profit in the business is Tk. 22000. What would be the Ameer's share in it
(A) Tk. 10000 (B) Tk. 15000 (C) Tk. 12000 (D) Tk. 16000
68. If $0.0015 \times 10^m / 0.03 \times 10^k = 5 \times 10^7$, the value of $m - k$ is
(A) 9 (B) 8 (C) 7 (D) 6
69. If 12 men can build a wall 180 m long in 54 days, how many days it will take to build a similar wall 160 m long, if 16 men working on it
(A) 24 (B) 36 (C) 28 (D) 35
70. The smallest number which when divided by 18, 21, 30 and 84 leaves a remainder 5 in each case is
(A) 1255 (B) 955 (C) 1265 (D) 965
71. You are given the equation $\sqrt{3x} + 3 = 4$, which one of the following is the correct value of x ?
(A) $\frac{1}{\sqrt{3}}$ (B) 1 (C) $\frac{1}{3}$ (D) 3
72. A sum of money is divided among three persons in the ratio 4:6:9. If the largest share is Tk. 1000 more than the smallest share, what is the total sum
(A) 4000 (B) 9500 (C) 3600 (D) 3800
73. An electric pole 36 meters high casts a shadow of 24 meters at a particular time of a day. Find the height of a tower if it casts a shadow of 48 meters under similar weather conditions
(A) 96 (B) 82 (C) 74 (D) 72
74. The average weekly salary per head of all employees is Tk. 1000 (Supervisors and Labours). The average weekly per head salary of all supervisors is Tk. 6000 while the average weekly salary per head of all labours is Tk. 750. If there are 840 labours in it find the number of supervisors
(A) 38 (B) 40 (C) 42 (D) 44
75. Of the following the closest approximation to $\sqrt[3]{(5.98 \times 601.5 / 15.79)}$
(A) 5 (B) 10 (C) 15 (D) 20





Section IV Short Essay Writing

Write a Short Essay in on more than 100 words on the topic that has just been distributed to you.

End of the Test

ANSWERS

SECTION -1 (ENGLISH MCQ)

1.D	2.C	3.D	4.B	5.D	6.D	7.A	8.A	9.A	10.D
11.B	12.D	13.D	14.C	15.C	16.D	17.D	18.B	19.B	20.B
21.C	22.A	23.D	24.C	25.B	26.C	27.D	28.D	29.B	30.A
31.B	32.D	33.C	34.A	35.C					

SECTION -2 MATHEMATICS

36.B	37.B	38.B	39.D	40.B	41.A	42.A	43.C	44.B	45.B
46.C	47.C	48.NA	49.B	50.C	51.C	52.D	53.A	54.B	55.D
56.NA	57.C	58.A	59.D	60.D	61.B	62.D	63.C	64.B	65.C
66.D	67.C	68.A	69.B	70.C	71.C	72.D	73.D	74.C	75.C

