

Admission Test Spring 2019

Department of Economics

East Delta University

Test Details		
Section 1	English	100 marks
Section 2	Mathematics	30 marks

Section 1: English		
Part 1	Writing	30 marks
Part II	Reading	20 marks
	Grammar	50 marks

Section 1: English		
Part 1	Writing	30 marks
Part II	Reading	20 marks
	Grammar	50 marks

Total marks: 100

Duration: 90 minutes

Part I: Writing

1. Write a composition on the following topic (minimum 250 words).

30

a. What do you understand by the word 'family'? How does it play an important role in your life? How do the family members support you when you feel down? Write a composition keeping a special focus on the answers to these questions.

OR

b. Now-a-days, it is a common belief that the use of social media has more negative effects on students compared to the positive ones. However, studies show that if one manages the time and keeps a balance between their studies and online activities, one can be benefitted as well. Develop a composition detailing how social media can prove to be useful in your studies.

Part II: Reading and grammar

Reading

Read the following text and answer the multiple-choice questions (MCQ) from 1 to 20.

“Bottled water is a nonsense” by Sonia Sodha (Source: *The Guardian*)

The airport, a much known and sometimes troublesome place, seems to prioritize row after row of fancy shops over providing enough seats at the gate. The thing that surprises me is how hard they make it to get your hands on free drinking water once you have dutifully left yours out before security. More than half of UK airports do not provide drinking fountains, forcing travellers to choose between begging shopkeepers to fill up their bottle or buying the over-priced water. So, how can we bring this situation under control? Is there any way that might be advantageous on our part? Can there be any feasible alternative?

First of all, it is not just about the financial factor, though having to give away almost 3£ for a 500ml bottle in one airport certainly left a bitter taste in me. It is also about the disastrous impact of plastic bottles on the environment. Moreover, we are losing the ground at the cost to our marine life. It is choking our oceans as well as contaminating the food chain. It is estimated that the total weight of plastic in our oceans will exceed that of fish by 2050. The recent mishaps in some coastal countries evidently project that the aqua life is disturbed and we are merely mourning over the tolls. Rather than looking for a cure, we must find out a way to prevent the situation. You would be surprised to know that The International Ocean and Water Life Research Foundation has marked sea waste to be the most influential reason for the disturbances in the ocean whereas hunting comes at number four. Most of these waste materials are objects thrown away by us into the sea. 67% of these materials are plastic products, e.g. bottles, containers, lids, and wrappers.

Considering this dire state, tap water or traditional water fountains, like the ones used in ancient times, could be a viable substitute. We can at least get water from the tap for free, since we spend 2,400,000,000£ a year in the UK buying daily necessities. Moreover, researchers have found that tap water is actually safer to drink than the commercial water bottles. These bottles are not safe in most cases, as reports have shown that many of the companies have hygiene issues while packaging and storing water for a long time in plastic bottles can give birth to harmful chemicals.
(edited)

Choose the best answer by putting a tick mark (✓)

20

1. What does 'aqua' mean?
 - a. life under water*
 - b. sea tunnel*
 - c. something related to water*
 - d. none of the above*

2. _____ of the waste materials in the sea are non-plastic products.
 - a. 67%*
 - b. 33%*
 - c. 2.4%*
 - d. 8%*

3. The author has a/an _____ feeling about airports.
 - a. negative*
 - b. alarming*
 - c. positive*
 - d. mixed*

4. What can be an appropriate substitute to the word 'financial'?
 - a. fiscal*
 - b. monetary*
 - c. budgetary*
 - d. all of the above*

5. An alternative title to the text could be _____.
 - a. water crisis on the rise*
 - b. urban planning needs reformation*
 - c. ban the bottled water*
 - d. ancient people had better water supply system*

6. Why are there an excessive number of shops at the airports?
 - a. To sell more products*
 - b. To sell water bottles*
 - c. To entertain people*
 - d. To supply free water*

7. The _____ people spend a lot of money every year to buy stuff.
 - a. American*
 - b. Bangladeshi*
 - c. Italian*
 - d. British*

8. What might be the most obvious reason for threatening marine life?
 - a. plastic bottle*
 - b. plastic product*
 - c. water bottle*
 - d. hunting*

9. The author is not happy with her experience in an airport because
 - a. it was crowded*
 - b. it was dark*
 - c. it was unhygienic*
 - d. it offered too costly water bottles*

10. The text suggests a _____ rather than a _____.

- c. plastic bottle manufacturer* *d. Water Life Research Foundation*
20. _____ of the airports in the UK lack support for pure drinking water.
- a. more than 50%* *b. less than 50%*
- c. 50%* *d. less than 53%*

Grammar

Instruction for Questions 1-5:

Each sentence contains two errors. Identify the errors by ticking (✓) on them. Each question carries 2 marks. **10**

1. If you really can't (a) get to the station on time (b) I suppose you will be to (c) take the taxi home (d) tonight.
2. Before (a) Arlene moved here, she has been (b) the president of the (c) organization since (d) four years.
3. The information officer at the bank (a) said (b) his customers that there was (c) several different kinds of checking accounts (d) available.
4. Each of the nurse (a) report (b) to the operating room when his or her name(c) is called (d).
5. Employees with less (a) personal problems are (b) likely (c) to be more rich (d).

Instruction for Questions 6-45:

Choose the best answer by putting a tick mark (✓). **40**

6. My uncle was able to see his doctor, _____ it was Friday.
a. and *b. in addition* *c. but* *d. even though*
7. After advertising for three months, he _____ sold his car.
a. slowly *b. afterwards* *c. specially* *d. finally*
8. Your application is incomplete, _____ we will make an exception and accept it.
a. nevertheless *b. for* *c. because* *d. afterwards*
9. The defendant is presumed innocent _____ proven guilty.

- a. *after being* b. *until* c. *before* d. *when*
10. My friend voted for the candidate _____ being in the opposition.
a. *and* b. *because* c. *despite* d. *nevertheless*
11. Alaska is the largest state in _____ United States.
a. *a* b. *an* c. *the* d. *none*
12. She was driving at a speed of ninety miles _____ hour.
a. *a* b. *an* c. *the* d. *none*
13. Do you collect _____ for reading during pastime?
a. *newspapers* b. *journals* c. *notebooks* d. *story books*
14. You need a visa to visit _____ foreign countries, but not all of them.
a. *a* b. *an* c. *the* d. *none*
15. I wrote my name at _____ top of the page.
a. *a* b. *an* c. *the* d. *none*
16. They need to concentrate _____ their studies.
a. *on* b. *in* c. *over* d. *for*
17. Many students rely _____ the Internet for information.
a. *in* b. *for* c. *by* d. *on*
18. To qualify _____ the presidential election, one must be at least 35 years old.
a. *to* b. *for* c. *of* d. *none*
19. Dhaka stands _____ the Buriganga.
a. *on* b. *over* c. *across* d. *near*
20. The trains are _____ schedule today.
a. *for* b. *behind* c. *in* d. *none*
21. I now regret _____ what I said.
a. *said* b. *says* c. *saying* d. *was said*
22. If I _____, I would go to see you.
a. *know* b. *am knowing* c. *knew* d. *known*
23. It is a big factory. Five hundred people _____ here.
a. *employ* b. *employed* c. *are employed* d. *working*
24. My father made me _____ the car.
a. *washing* b. *wash* c. *to wash* d. *washed*
25. She is lucky that she has _____ problems.

- a. more b. fewest c. much d. fewer
26. The dogs growl when _____ are angry.
a. it b. that c. they d. those
27. Four litres of oil _____ required to get the car running.
a. is b. have c. are d. were
28. Either the bears or the lion _____ escaped from the zoo.
a. have b. were c. are d. has
- 29. Neither my dad nor my brothers _____ how to ski.**
a. knows b. know c. known d. knowing
30. The colours of the rainbow _____ beautiful.
a. was b. is c. have d. are
31. Each boy and each girl _____ present there.
a. were b. had c. was d. have been
32. One of the boys _____ going to have the prize.
a. are b. is c. were d. am
33. The minister, along with his officials, _____ arrived.
a. has b. have c. were d. are
34. They _____ written three letters already.
a. has b. have been c. have d. are
35. She _____ at the conference this evening.
a. is speaking b. speaks c. spoke d. spoken
36. After Sofia _____ her work, she went to lunch.
a. has finished b. had finished c. finishes d. finishing
37. I _____ television when she called me last night.
a. watched b. will be watching c. have watched d. was watching
38. She _____ listening to music for two hours.
a. has been b. is c. has d. had
39. Bread and jelly _____ my favourite breakfast.
a. are b. is c. have d. no word
40. 'Abuse' is synonymous with _____.
a. peace b. intense c. maltreat d. intelligent

41. 'Timid' is synonymous with _____.
a. talkative b. sight c. bold d. easilyfrightened
42. 'Intelligible' is synonymous with _____.
a. rigidity for rules b. love c. greed for money d. understandable
43. 'Quiet' is synonymous with _____.
a. all b. noiseless c. complete d. noisy
44. 'Astonishment' is synonymous with _____.
a. great surprise b. jealous c. smartness d. strange
45. 'Trivial' is synonymous with _____.
a. annoying b. humorous c. minor d. interesting

Section 2	Mathematics	30 Marks (15*2)	30 Minutes
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1. If $A = \{2, 3, 4\}$, $B = \{3, 4, 5, 10\}$ and $C = \{4, 5, 6, 12\}$ then find $(A \cap B) \cap C$.

- (a) $\{3, 4\}$ (b) $\{3\}$ (c) $\{4\}$ (d) $\{4, 5\}$

2. $3^0 + 4^0 = ?$

- (a) 1 (b) 0 (c) 7 (d) 2

3. 750 is the 20% of which number?

- (a) 2500 (b) 3750 (c) 3050 (d) 1750

4. $3^{-\frac{1}{3}} \times \sqrt[3]{3} = ?$

- a) 3 (b) $\frac{1}{3}$ (c) 1 (d) $\frac{-1}{3}$

5. What will be the simple interest of Tk. 2000 for 7 years at 10% per annum?

- (a) Tk. 700 (b) Tk. 700 (c) Tk. 1400 (d) Tk. 500

6. A student obtained 60, 50 and 90 marks in English, Physics and Economics respectively. He needs 72% for scholarship. How many marks he must obtain in the final paper of Mathematics to obtain overall 72% marks?

- (a) 82 (b) 84 (c) 86 (d) 88

7. Solve the equation: $x^2 - 12x - 28 = 0$

- (a) 7 or 4 (b) -2 or 14 (c) -7 or -4 (d) 2 or -14

8. Kona bought one dozen pencils at Tk.250 from a stationery shop. If the rate of VAT is 4%, what is the price of each pencil?

- (a) 15.50 (b) 18.03 (c) 20 (d) 20.83

9. If $a-b=7$ and $ab=44$ then $a^2+b^2=?$

- (a) 173 (b) 317 (c) 137 (d) 145

10. Which is the correct slope of the line $7y - 5x - 8 = 0$?

- (a) $\frac{5}{7}$ (b) $\frac{7}{3}$ (c) 5 (d) $\frac{8}{7}$

11. Find the sum of $3x^2 + x + 8$ and $x^2 - 9$.

(a) $4x^2 + x - 1$ (b) $4x^2 + x - 17$ (c) $4x^4 + x - 1$ (d) $3x^4 + x - 1$

12. Linda paid \$60 for a jacket that was on sale for 25% of the original price. What was the original price of the jacket?

(a) \$60 (b) \$72 (c) \$96 (d) \$ 80

13. Find the value of $(\log 1 + \log 10)$?

(a) 1 (b) 10 (c) 11 (d) $\log 11$

14. If $\frac{n}{7} + \frac{n}{5} = \frac{96}{70}$, what is the value of \sqrt{n} ?

(a) 4 (b) 2 (c) 5 (d) 7

15. Find the coordinates of the mid-point of the joint of two points $(-1, 5)$ and $(7, 3)$?

(a) $(3, 4)$ (b) $(-3, 4)$ (c) $(3, -4)$ (d) $(6, 8)$

