



Admission Tech

**United International University
(UIU)**

Question Summer 2019



Section 1 Math

01. The electric company charge: Tk 0.3 per KWH. Rahim used 2800 KWH in April, 3200 KWH in May, and 3600 KWH in June. What was his average costs of electricity in taka for the 3 months?
- A. 72 B. 960 C. 48 D. 144 E. None
02. What percent of 50 is 15?
- A. 30 B. 35 C. 70 D. 300 E. 1000/3
03. Which of the following is equal to 85 percent of 160?
- A. 1.88 B. 13.6 C. 136 D. 188 E. 13600
04. Out of a total of 1,000 employees at a certain corporation, 52 percent are female and 40 percent of these females work in research. If 60 percent of the total number of employees work in research, how many male employees do NOT work in research?
- A. 520 B. 480 C. 392 D. 208 E. 88
05. If each photocopy of a manuscript costs 4 cents per page, what is the cost, in cents, to reproduce x copies of an x -page manuscript?
- A. $4x$ B. $16x$ C. X^2 D. $4x^2$ E. $16x^2$
06. Of a group of people surveyed in a political poll, 60 percent said that they would vote for candidate R . Of those who said they would vote for R , 90 percent actually voted for R , and of those who did not say that they would vote for R , 5 percent actually voted for R . What percent of the group voted for R ?
- A. 56 B. 59 C. 62 D. 65 E. 74
07. In 1970 there were 8,902 women stockbrokers in the United States. By 1978 the number had increased to 19,947. Approximately what was the percent increase?
- A. 45 B. 125 C. 145 D. 150 E. 225
08. In Township K each property is taxed at 8 percent of its assessed value. If the assessed value of a property in Township K is increased from \$20,000 to \$24,000, by how much will the property tax increase?
- A. 32 B. 50 C. 320 D. 400 E. 500
09. One night 18 percent of the female officers on a police force were on duty. If 180 officers were on duty that night and half of these were female officers, how many female officers were on the police force?
- A. 90 B. 180 C. 270 D. E. 500 F. 1000
10. Out of their annual net income, a couple spent 25 percent for food, 13.5 percent for entertainment, 20 percent for housing, 8 percent for car expenses, 15 percent for clothing, and saved the rest. What was the ratio of the amount saved to the amount spent for entertainment?
- A. 19/27 B. 6/5 C. 37/27 D. 19/9 E. 7/3
11. Approximately 90 percent of the volume of a certain cube that is floating in a tank of water is beneath the surface. If 6.4 cubic centimeters of the cube is above the surface of the water, what is the approximate length, in centimeters, of an edge of the cube?
- A. 10 B. 8 C. 6 D. 4 E. 2





12. Water consists of hydrogen and oxygen, and the approximate ratio, by mass, of hydrogen to oxygen is 2: 16. Approximately how many grams of oxygen are there in 144 grams of water?
A. 16 B. 72 C. 112 D. 128 E. 142
13. Diana bought a stereo for \$530, which was the retail price plus a 6 percent sales tax. How much money could she have saved if she had bought the stereo at the same retail price in a neighboring state where she would have paid a sales tax of 5 percent?
A. 1.00 B. 2.65 C. 4.30 D. 5.00 E. 5.30
14. The present ratio of students to teachers at a certain school is 30 to 1. If the student enrollment were to increase by 50 students and the number of teachers were to increase by 5, the ratio of students to teachers would then be 25 to 1. What is the present number of teachers?
A. 5 B. 8 C. 10 D. 12 E. 15
15. If 5 years ago, Jamil was half as old as he is now, how old will he be in x years?
A. $X+10$ B. $X+5$ C. $X+2$ D. $X-5$ E. $2x$
16. If a man's weekly salary is Tk. P and he saves Tk. M , what fraction of his weekly salary does he spend?
A. M/P B. $(P-M)/P$ C. $(M-P)/P$ D. $(M-P)/M$ E. $(P-M)/M$
17. What is the ninth term of the sequence 1, 1, 2, 3, 5, 8, 13, 21, ...
A. 34 B. 63 C. 25 D. 28 E. None
18. What is the wrong number in the following series?
A. 1 B. 23 C. 144 D. 64 E. 49
19. If $X^4=81$ and $Y^2=49$, then maximum possible value for $Y-X$ is
A. 21 B. 10 C. 4 D. -4 E. -10
20. To find the diameter of a circle whose circumference is 30 inches
A. Multiply 30 by π B. Divide 30 by 2π C. Divide 15 by 2π
D. Divide 30 by π E. Multiply 30 by $\pi/2$

Section 2 English

Choose the best option:

01. The old man chose his dog to be the sole _____ of his fortune.
A. Benefit B. Beneficial C. Beneficiary D. Beneficially E. None
02. Our organization was impacted _____ by the passing of Evelyn Cohansey, one of the town's wealthiest residents.
A. Heavy B. Heavily C. Large D. A lot E. None
03. The scientists _____ bacteria in the lab.
A. Have B. Harvest C. Have harvest
D. Have harvested E. None
04. A _____ amount is so small it's not even worth thinking about.
A. Paltry B. Pantry C. Poultry D. Pastry E. None
05. Rex and Rose Mary end up living in an overcrowded, run down _____
A. Palace B. Mansion C. Hotel D. Motel E. Casino





06. It was _____ outside in the hot and humid sun.
A. Tired B. Tiring C. Peace D. Peaceful E. None
07. While the flower was not particularly large or colorful, it had a subtle _____ that was appreciated by master gardeners.
A. Beauty B. Beautify C. Beautifully
D. Beautification E. None
08. The toddler had a tantrum in the restaurant and threw her food at other patrons. After much effort, the mother still could not find a way to _____ her child.
A. Make Calm B. Pacify C. Pacified
D. Have pacified E. None
09. A _____ amount is so small it's not even worth thinking about.
F. Paltry G. Pantry H. Poultry I. Pastry J. None
10. I hoped that doling out the money for the test preparation course would prove to be a _____ to me on test day.
A. Benefit B. Beneficial C. Beneficiary
D. Beneficially E. None
11. Without the bullet train, it would not be _____ to travel to Beijing from Tianjin in one hour.
A. Impossible B. Possible C. Plausible D. Allowed E. None
12. There was no way to avoid the _____ so we put on our life vests and hoped that the boat would not capsize.
A. At sea B. At shore C. At storm D. Storm E. None
13. China no longer has old-fashioned, _____ cities. Everything is becoming more progressive, Western, and modern
A. Bored B. Boring C. Horrific D. Terrible E. None
14. It was _____ outside under the scorching sun
A. Tired B. Tiring C. Peace D. Peaceful E. None
15. The ballet dancer pirouetted _____ across the stage during the performance of Swan Lake.
A. Beautify B. Beautiful C. Beautifully
D. Beautification E. None

Find the odd one out:

01. A. Postman B. Doctor C. Hospital D. Secretary E. Nurse
02. A. German B. Russia C. England D. Scotland E. France
03. A. Aunt B. Sister C. Mother D. Uncle E. Niece
04. A. Shoe B. Skirt C. Shirt D. Suit E. Comb





05.

A. Thursday

B. Friday

C. Sunday

D. Holiday

E. Monday

Section 3: Reading

Answer the following questions based on the passage:

It is breakfast time. You have been looking forward to eating a nice ripe banana ever since you woke up. Just when you reach for the delicious piece of fruit on your counter, you see something that makes you much less hungry: a swarm of fruit flies!

Fruit flies are tiny insects that are attracted to ripe or rotting fruits and vegetables. The flies not only eat the fruit, they also lay their eggs there. A single fruit fly can lay up to 500 eggs on the surface of a piece of fruit. Within eight days, the fruit flies that hatch from these eggs are full adults that can then lay their own eggs. As you can see, what might start out as a small fruit fly problem can become very large very quickly.

Although there is a chance fruit flies can carry germs on to your food, this is not very likely. Fruit flies are annoying, but they probably will not hurt you. Because they are such a nuisance, however, most people want to get rid of these pesky bugs as quickly as possible. Some people use pesticide sprays on the fruit flies. Although this will kill the flies, it will also spread harmful poison all over your kitchen. Luckily, there is also a completely safe way for you to get rid of fruit flies in your house.

The first step is for you to remove all fruits or vegetables from your counter. Store these items in the refrigerator or in sealed containers. Clean up any spilled juice or bits of food that might be on the floor. Take out the trash and empty the recycling bin. Wash any dirty dishes that are in your sink. Doing all of these things will stop new fruit flies from finding food or places to lay their eggs.

Next, make a trap to catch all of the remaining fruit flies in your house. First, fill a small bowl with a few tablespoons of vinegar. Then, put a piece of very ripe or rotting fruit into the vinegar. Cover the bowl very tightly with a sheet of plastic wrap and poke a few very small holes in the wrap with a fork. If all goes according to plan, the flies will enter the trap through the holes but will be unable to fly back out. This trap will catch all of the remaining fruit flies. You can either kill these flies or release them outdoors.

Fruit flies can be a pest, but they do not have to make you crazy. With a little effort, you can get existing flies out of your house and prevent new ones from taking over your kitchen.

01. In reading this passage, we learn that fruit flies

I. die immediately after they lay their eggs

II. can grow into adults after only 8 days

III. are mostly harmless

A. I only

B. I and II

C. II and III

D. I, II and III

E. None

02. As used in paragraph 3, a nuisance is something that

A. Bothers you

B. can be dangerous

C. Grows fast

D. Is very small

E. none





03. According to the passage, why should you not use pesticide spray to kill fruit flies?
- A. most sprays do not actually kill all of the fruit flies
 - B. buying sprays can get expensive if you need to use a lot of them
 - C. the sprays take too much time to work
 - D. it can be dangerous to use them in your kitchen
 - E. None of the above.
04. Based on the information in the second last paragraph, we can understand that the author thinks that
- A. some people do not mind having fruit flies in their house
 - B. some people do not like killing insects
 - C. fruit flies do not like vinegar
 - D. making a fruit fly trap can be difficult
 - E. None of the above.
05. The purpose of writing the passage is:
- A. The author is disturbed by fruit flies
 - B. The author is discouraging people from having fruits, because fruit flies are dangerous
 - C. The author is teaching us how to make fly-traps.
 - D. The author is giving a step-by-step procedure of getting rid of fruit flies
 - E. None of the above.

Answer Key

Math

01. B	02. A	03. C	04. E	05. D
06. A	07. B	08. C	09. D	10. C
11. D	12. D	13. D	14. E	15. B
16. B	17. A	18. B	19. B	20. D

English

01. C	02. B	03. B	04. A	05. D
06. B	07. A	08. B	09. A	10. A
11. B	12. D	13. B	14. B	15. C
16. C	17. A	18. D	19. E	20. D

Reading

01. C	02. A	03. D	04. B	05. D
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