

# National University of Computer and Emerging Sciences

FAST School of Computing

Spring-2024

Islamabad Campus

## Question 1 [12 Marks]

**Do as Directed.** In each section you will have to rewrite the given statements according to the provided instructions. Read the question for each section and rewrite the statements accordingly.

a. Achieve clarity in the given sentences. Additional information may be required. The main idea should not change.

i. The device in the lab has malfunctioned and needs to be replaced.

The ~~device~~ in the lab has malfunctioned due to a <sup>0.5</sup> factory ~~error~~ and needs to be replaced in order <sup>n</sup> for further research.

ii. The opening date for the scholarship will be announced soon.

The opening date for the scholarship will be <sup>0.5</sup> announced soon, so student must should keep in touch with the university website in <sup>11</sup> order to apply as early as possible.

iii. The project deadline is approaching. As the project deadline is approaching student should start winding up their work and prepare for the submission procedure. <sup>0.5</sup>

b. Achieve conciseness in the given sentences. The main idea should not change. Write the word count of your answer in a bracket.

iv. Could you please provide some clarification on the instructions for the new software installation process? [15 words]

We should create a flow chart and build the software accordingly for maximum efficiency. <sup>x</sup>

v. I will be attending the meeting on Thursday, which is about the new marketing strategy that we need to implement. [20 words]

Make sure to convey all our pros to the CEO, so that our idea is ~~is~~ absolutely clear without vagueness. <sup>x</sup>

vi. We need to make sure that all employees are aware of the changes in the vacation policy, which will take effect next month. [23 words]

According to me, we should announce the policy on the official website of our company and also stick them on the notification board for clarity. <sup>x</sup>

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- c. Rewrite the following statements and make them inclusive by removing the biased expression.
- vii. I have no idea who the admin for the new e-sports club social media page is, but she is quite adept at her job.

The new e-sports social media page is not in accordance to the standard criteria. The admin may need to look into this matter as soon as possible.

- viii. The creative use of language made the article interesting but then the author seemed to lose his focus.

The article was made interesting by the unique use of language by the author, however, it may not be interesting for every single individual.

- ix. The competition for this post was very high, but she got the job because she is an Asian.

0.5

The post had a very high level of competition, Eventually the job was secured by an intelligent asian

- x. Men are better at handling technology and IT related tasks.

lady.

Due to the strong problem solving attribute of most men, they are believed to be more appropriate for IT related tasks.

- d. Rewrite the following sentences to emphasize the you-attitude instead of the we-attitude.

- xi. We allow a 2 percent discount for cash payments.

You were granted a 2 percent discount for cash payments.

- xii. To help us improve our production schedule, we would appreciate your ordering two weeks in advance.

In order for us to improve our production schedule, your ordering two weeks in advance would be

highly appreciated by us.

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Question 2 [6\*2=12 Marks]

Develop the Topic Sentences logically by providing 3 supporting details. Write complete sentences.

1. **Topic Sentence:** Participating in class discussions can be a problem for some students.

**Supporting Detail #1:**

1.1 Firstly, some students have introverted personalities that might cause them to feel anxious while discussing.

**Supporting Detail #2**

2. Moreover, some students might be having a language barrier that may make it difficult for them to translate their ideas quickly.

**Supporting Detail #3**

1.2 Finally, some students might not be interested in the topic at hand that may cause them to feel forced in the discussions.

2. **Topic Sentence:** Social media influences young minds negatively.

**Supporting Detail #1:** Do not cite vague studies

1. Some studies found that excessive use of social media make people addicts of these platforms.

**Supporting Detail #2**

In addition, some studies showed that dopamine

is released by the swiping motion of majority apps that causes people to become addicts.

**Supporting Detail #3**

Finally, wastage of time on these platforms might cause people to lose valuable time of

their day. They might have used for some productive work; this in turn causes them to feel less productive causing mental issues.

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### Question 3 [04 Marks]

Write the concluding statements for the following paragraphs.

A. Ticket sales for a recent Rolling Stones concert proved that the classic rock band is still very popular. Fans came from everywhere to buy tickets to the concert. People wanted good seats and were willing to endure a great deal of various kinds of discomfort as they waited in line for many hours. Some people actually waited for days, sleeping at night in uncomfortable circumstances. Good tickets were sold out extremely quickly. The first person in the long ticket line spent three days standing in the hot sun and three nights sleeping on the concrete without even a pillow. The man behind her waited equally long in his wheelchair. The ticket window opened at 10:00 A.M., and the tickets for the good seats—those in front of the stage—were sold out an hour later.

(2)

**Concluding Sentence:**

To sum up, the classic rock band still has a large influence on their audience that may be the reason for their popularity even today.

B. My college campus provides students with valuable resources. The writing tutors at the Learning Center help students find topics and assist them with revision and editing. The reference librarians at the library help students locate appropriate books and online journals for their research papers. The academic advisers at the Counseling Office notify students about required and elective courses during registration. Tutors on campus help students with the different stages of their writing. Librarians help students with their research by locating different sources in the library and online. Counselors on campus provide students with useful information on course registration.

(2)

**Concluding Sentence:**

The above mentioned facilities are just some of the facilities provided by our college campus that make them such a co-operative study environment.

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## Question 4 [6\*1.5=09 Marks]

### Part-A

Ideas in a paragraph should be logically structured to enable readers to follow the writer's thought pattern. For each of the following groups of five or six numbered sentences, choose the sentence order that would result in an effective paragraph. There is only ONE correct answer. Transfer answers (A, B, C, or D) on the table provided on page 10

#### Passage 1

[A] Generative AI Art refers to artworks created using algorithms and machine learning techniques. [B] These algorithms can produce a wide range of artistic styles, from abstract compositions to realistic portraits. [C] Moreover, generative AI art challenges traditional notions of authorship and creativity, raising questions about the role of the artist in the creative process. [D] Additionally, generative AI art has sparked discussions about the ethical implications of using algorithms to create art. [E] The use of generative AI in art opens up new possibilities for collaboration between humans and machines in the creative process. [F] As technology advances, generative AI art continues to evolve, pushing the boundaries of what is possible in the realm of digital art.

- a) A, B, E, C, D, F
- b) A, C, B, A, D, F
- c) E, A, B, C, D, F
- d) E, D, A, B, C, F

#### Passage 2

[A] A famous Japanese rock garden is at Ryoan-Ji in Northwest Kyoto, Japan. [B] The rocks of various sizes are arranged on small white pebbles in five groups, each comprising five, two, three, two, & three rocks. [C] The garden is 30 meters long from East to West & 10 meters from north to south. [D] The garden contains 15 rocks arranged on the surface of white pebbles in such a manner that visitors can see only 14 of them at once from whichever angle the garden is viewed. [E] There are no trees, just 15 irregularly shaped rocks of varying sizes, some arranged by gravel/sand that is raked everyday.

- a) A, C, E, B, D
- b) C, A, E, D, B
- c) D, E, A, B, C
- d) B, A, D, E, C

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## Passage 3

[A] Scientists have for the first time managed to edit genes in a human embryo to repair a genetic mutation, fueling hopes that such procedures may one day be available outside laboratory conditions. [B] The cardiac disease causes sudden death in otherwise healthy young athletes and affects about one in 500 people overall. [C] Correcting the mutation in the gene would not only ensure that the child is healthy but also prevents transmission of the mutation to future generations. [D] It is caused by a mutation in a particular gene and a child will suffer from the condition even if it inherits only one copy of the mutated gene. [E] In results announced in *Nature* magazine this week, scientists fixed a mutation that thickens the heart muscle, a condition called hypertrophic cardiomyopathy.

- a) B, A, E, C, D
- b) B, E, A, C, D
- c) A, D, B, E, C
- d) A, E, B, D, C

## Part-B

A well written paragraph has unity. For the following paragraphs, select the sentence that hinders the paragraph in achieving unity. The number for each sentence is indicated at the start of the sentence. There is only ONE correct answer. Transfer answers (A, B, C, or D) to the table provided on page 10.

## Passage 4

[1] An odd behavior associated with sleep and dreaming is somnambulism, commonly known as sleepwalking. [2] Sleepwalkers suffer from a malfunction in a brain mechanism that monitors the transition from REM to non-REM sleep. [3] REM sleep is vitally important for psychological well-being. [4] In some cases, sleepwalking may be triggered by stress, sleep deprivation, or certain medications. [5] While sleepwalking itself is usually harmless, it can pose risks of injury to the sleepwalker or others in the environment. [6] To prevent accidents, it is important to ensure a safe sleep environment by removing obstacles and securing doors and windows.

- a) Sentence 2
- b) Sentence 3
- c) Sentence 4
- d) Sentence 6

## Passage 5

[1] The harp is a musical instrument that has an upright triangular frame. [2] Its strings are positioned perpendicular to the sounding board. [3] Harps are found in Africa, Europe, North and South America, and a few parts of Asia. [4] Its beautiful sound, which is capable of stringing great emotion, might bring tears to your eyes. [5] In orchestral settings, the harp is often used to provide delicate, ethereal melodies, or to add a rich, resonant texture to musical compositions.

- a) Sentence 2
- b) Sentence 3
- c) Sentence 4
- d) Sentence 5

**Passage 6**

[1] Coral reefs are vital ecosystems in the ocean, providing habitat and shelter for a diverse range of marine species. [2] These vibrant underwater communities support approximately 25% of all marine life, despite covering less than 1% of the ocean floor. [3] The intricate structures of coral reefs offer refuge for numerous fish species, including many commercially important ones. [4] Seagrass meadows, found in coastal areas, are essential habitats for various marine creatures. [5] Additionally, coral reefs play a crucial role in maintaining the health of the marine environment by acting as barriers against coastal erosion and storm damage. [6] They also contribute significantly to the global economy through tourism, fisheries, and pharmaceutical discoveries. [7] However, the increasing threat of climate change, pollution, and overfishing poses a significant risk to the survival of coral reefs worldwide.

- a) Sentence 1
- b) Sentence 3
- c) Sentence 4
- d) Sentence 6

**Question 5 [08 Marks]**

**Transitions not only help achieve cohesion but also indicate a logical relationship between statements. For the given passage choose the transition that best connects the ideas discussed. There is only ONE correct answer. Transfer the answers (A, B, C, or D) to the table on page 10**

Cathrine the Great became empress of Russia in 1769. She guided Russia in a Golden Age for 34 years. [1] \_\_\_\_\_ this Golden Age was indeed a time of prosperity for many, for others it was a time of oppression.

To many it appeared that Cathrine was guiding Russia into prosperity, [2] \_\_\_\_\_, underneath the surface, she disregarded the underprivileged. She took away their land and made it difficult for them to acquire an education. [3] \_\_\_\_\_ Cathrine is known as a just ruler, under her rein the peasantry actually suffered a great deal.

[4] \_\_\_\_\_ Cathrine effected many advancements during her reign, such as the founding the Russian Academy [5] \_\_\_\_\_ these achievements targeted the nobility. [6]

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the schools she funded were private with very high tuition. [7]

Cathrine did bring the Renaissance to Russia, peasants were too busy working to benefit from it. In truth, Cathrine the Great took advantage of many to benefit the [8].

1

- a) Otherwise,
- b) Therefore,
- c) Although,
- d) And,

2

- a) through
- b) for
- c) therefore
- d) moreover

3

- a) Since
- b) While
- c) Because
- d) Thus

4

- a) Whereas
- b) Since
- c) Considering
- d) No transition needed

5

- a) , however ;
- b) ; however ,
- c) , therefore ;
- d) ; therefore ,

6

- a) For example,
- b) Yet,
- c) Because of
- d) But,

7

- a) Likewise,
- b) Because
- c) While
- d) Moreover,

8

- a) few, therefore
- b) few.
- c) few of them.
- d) few, yet.

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**ANSWER SHEET**

Note: Do not cut, overwrite, or rewrite. Marks will not be awarded for such answers.

Table for Q4- Paragraph Development  
*Ensure the answer corresponds with the passage number.*

4.5

1.	Passage 1	d x
2.	Passage 2	a ✓
3.	Passage 3	a x
4.	Passage 4	b ✓
5.	Passage 5	c x
6.	Passage 6	c ✓

Table for Q5- Transition Words  
*Just write A, B, C or D.*

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1.	C ✓	5.	d x
2.	G ✗ ✓	6.	C x
3.	d x	7.	a x
4.	C x	8.	b ✓

Good Luck!