

**The Aga Khan University
AKU Challenge (scholarship) Programme
Sample Test Paper**

Time Allowed: 2 hours

Name: _____

Appl. # _____ Test Centre: _____

INSTRUCTIONS

Please read the following instructions carefully:

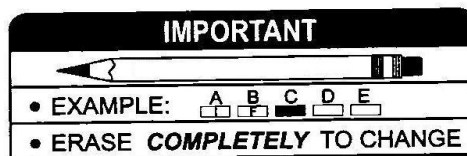
- Make sure that you write your name and application number in the space above and on the given answer sheet.
- Mark **ONLY ONE** answer to the question. No credit will be given for multiple answers.
- If you change an answer, be sure that you completely erase the old answer before marking your new answer.
- There will be 100 questions:

Section I: English
Section II: Science Reasoning
Section III: Mathematical Reasoning

- Attempt all questions.
- Questions can be attempted in any order.
- There is no negative marking

Answer MCQs

To mark the answer on the answer sheet, darken the appropriate box as follows. If **C** is the correct choice for a question then your answer should be marked as under:



On the answer sheet, disregard the little **T** and **F** in Option **A** and **B**.

Discipline

The University expects honesty from applicants. Dishonest behavior during the Test or violation of instructions will result in irrevocable disqualification of the applicant from entering the selection process.

Section I: English

PART I: Paragraph completion

In the paragraph, choose one word from the options provided.

1. When you ____**1**____ walking to the station

Option (i)	Option (ii)	Option (iii)
will	are	shall be

Answer: (ii)

2. You will pass a bakery. ____**2**____ bread is very fresh.

Option (i)	Option (ii)	Option (iii)
There	Their	They

Answer: (ii)

PART II: Comprehension

Read the paragraph below and answer the questions.

Line #	Text
1	Noise, commonly defined as unwanted sound, is another environmental pollutant. Particularly in congested urban areas, the noise produced as a byproduct of our advancing technology causes physical and psychological harm, and detracts from the quality of life for those who are exposed to it.
5	Unlike the eye, the ear has no lid; therefore noise penetrates without protection. Loud noises instinctively signal danger to any organism with a hearing mechanism, including human beings. In response, heartbeat and respiration accelerate. In fact, there is a general increase in functioning brought about by the flow of adrenaline released in response to fear.
10	Because noise is unavoidable in a complex, industrial society, we are constantly responding in the same ways that we would respond to danger. Recently, researchers have concluded that noise and our response may be much more than an annoyance. It may be a serious threat to physical and physiological health and well-being, causing damage not only to the ear and brain but also to the heart and stomach. We have long known that hearing loss is America's number one non-fatal health problem, but now we are learning that some of us with heart
15	disease and ulcers may be victims of noise as well.

3. What is the author's main point?

- A. Noise may pose a serious threat to our physical and psychological health
- B. Loud noises signal danger
- C. Hearing loss is America's number one nonfatal health problem
- D. The ear is not like the eye

Answer: A

4. It can be inferred from this passage that an eye:

- A. responds to fear
- B. enjoys greater protection than the ear
- C. increases functions
- D. is damaged by noise

Answer: B

5. What is the author's definition of noise?

- A. Unwanted sound
- B. A byproduct of technology
- C. Physical and psychological harm
- D. Congestion

Answer: A

6. According to the author, which of the following is true?

- A. Noise is not a serious problem today
- B. Noise is America's number-one problem
- C. Noise is an unavoidable problem in an industrial society
- D. Noise is a complex problem

Answer: D

7. According to the passage, people respond to loud noises in the same way that they respond to:

- A. annoyance
- B. danger
- C. damage
- D. disease

Answer: B

Part III: Sentence Completion

Complete the sentence below with one word from the Options A-D given for each sentence.

Examples:

8. Sindhi and Punjabi are _____ any other language in Pakistan.

- A. more spoken widely; than
- B. widely spoken; more than
- C. more than widely spoken
- D. more widely spoken; than

Answer: B

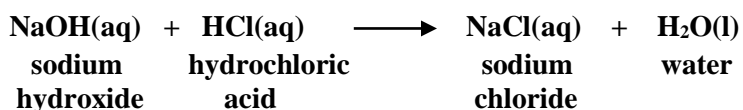
9. The faster the processing speed, the greater _____ provided by a computer.

- A. the power
- B. power is
- C. is the power
- D. power which is

Answer: C

Section II: Science Reasoning

10. The equation:



represents

- A. addition
- B. dehydration
- C. crystallisation
- D. neutralisation

Answer: D

Section III: Mathematical Reasoning

11. In survey, 60% of those surveyed owned a car and 80% of those surveyed owned a TV. If 55% owned both a car and a TV, what percent of those surveyed owned a car or a TV but not both.

- A. 30%
- B. 75%
- C. 80%
- D. 85%

Answer: D

Note: At the beginning of the Test you will be asked to fill on your name and application number on the answer sheet. And then answer the questions in the Aptitude Test. An example is shown below.

The image shows a sample answer sheet. On the left is a grid with 10 rows and 5 columns labeled A, B, C, D, E. Some cells are filled with black ink. To the right of the grid is a vertical column for marking the question number, with 'Write ID. Number Here' and 'Mark ID. Number Here' labels. A 'SIDE' indicator points to the right. To the right of the grid is a form with the following fields:

- IMPORTANT** (in a blue box)
- Application Number: 0 1 4 9 5
- NAME: Laila Khanum
- TEST: The AKU Challenge (Scholarship) Programme
- DATE: 27 - 6 - 2020
- PERIOD: 2020

- 1. A B C D E
- 2. A B C D E
- 3. A B C D E
- 4. A B C D E
- 5. A B C D E
- 6. A B C D E
- 7. A B C D E
- 8. A B C D E

- 9. A B C D E
- 10. A B C D E
- 11. A B C D E