

Aga Khan University
Medical College
Faculty of Health Sciences

Graduate Programmes

ADMISSION TEST - SAMPLE PAPER

Information for Applicants

Admission Test Centre

- Date and venue of the test centres are indicated on the Admit Card. Applicants should indicate one centre of their choice in the space provided in the Application Form.
- In case the Admit Card does not reach the applicant on time, he/she is advised to attend the test at a convenient Centre with a photocopy of the application form for identification.

Structure of the Test

- The total duration of the admission test would be 2 hours and 15 minutes
- The test paper is divided into various sections comprising multiple choice questions.
- Candidates will be required to write an essay of 200 words as part of the English component.
- *The University has not authorized any publications or preparatory classes for this Test.*
- All questions carry equal marks, there is no negative marking. The essay writing part carries 10 marks.
- Distribution of the questions in various components is as follows:

Test Components	# of Qs	Allotted Time (min.)
Mathematics	40	45
Logical Reasoning	20	45
English - Essay	30 10	45
Total	100	135

Answering MCQs

- The candidates are expected to attempt all questions, selecting the correct answer by darkening the corresponding box in the given answer sheet, e.g. if C is the correct answer for a question, your answer should be marked as under:



- Please Note: - Use a dark pencil to make dark marks
- To change an answer, erase completely

Discipline

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

Mathematics

• Example 1

If $x^2 + y^2 = 18$ and $xy = 4$ then $(x+y)^2 =$

- A. 28 B. 26 C. 24 D. 22 E. 20

A B C D E

--	--	--	--	--

• Example 2

Lori is 15 years older than Carol. In 10 years, Lori will be twice as old as Carol. How old is Lori now?

- A. 5 B. 20 C. 25 D. 30 E. 35

A B C D E

--	--	--	--	--

• Example 3

If y is not 0 or 1, what is the reciprocal of $1/(y-1/y)$

- A. y/y^2+1 B. y/y^2-1 C. y^2-1 D. $2y$ E. y^2-1/y

A B C D E

--	--	--	--	--

English

• Example 1

Direction: Read the following passage and answer the questions below:

Reducing cholesterol has become the mantra of doctors and patients alike. Over the last decade, clinical trials have shown that a drop in cholesterol levels slow the growth of arterial blockages and reduces heart attacks among patients with a high risk of heart diseases. But orchestrating the drop with drugs has been controversial; several studies suggest that such drugs increase the risk of death from cancer and suicide, even as they lower the death rate from heart attacks.

Questions:

Why has the use of drugs to control cholesterol level been controversial?

- A. The drugs are linked to increase risk of death from other factors.
 B. The growth of arterial blockage slows down as these drugs reduce cholesterol level.
 C. Patients face a high risk of heart disease as a side effect of these drugs
 D. The death rate from heart attacks remains unchanged

A B C D

--	--	--	--

• Example 2

Direction: In this section choose the word which best completes the sentence.

Because of the moon's _____ gravity, it has little or no substance

- A. Insubstantial B. Frail C. Dull D. Weak

A B C D

--	--	--	--

• Example 3

Direction: Choose synonyms of the underlined words:

The handler effectively managed the dog which has been such a threat to others.

- A. controlled B. exploited C. distracted D. connected

A B C D

--	--	--	--

• Example 4

Direction: Choose the answer which best explains the meaning of the words in bold type:

He is very consistent player and rarely has a bad game.

- A. maintaining the same standard
 B. experienced and skillful
 C. determined and aggressive
 D. courageous and ready to tackle obstacles

A B C D

--	--	--	--

• Example 5

Direction: Choose the sentence (A,B,C, or D) which is closest in meaning to the sentence given first

When Saleem was changing the tyre, Fahad called the mechanic.

- A. Saleem changed the tyre before Fahad called the mechanic.
 B. Saleem changed the tyre before the mechanic could come.
 C. As the tyre was changed, the mechanic was called.
 D. Fahad called the mechanic before the tyre was changed.

A B C D

--	--	--	--

• Example 6

Direction: Choose the lettered word or phrase that is most nearly opposite in meaning to the word in capital letters.

GLOBAL:

- A. local
 B. unusual
 C. unpredictable
 D. hot-headed
 E. single-minded

A B C D E

--	--	--	--	--

• Example 7

Direction: Select the lettered pair that best expresses a relationship similar to that expressed in the original pair.

VOLATILE: TEMPER:

- A. prominent: notoriety
 B. ready: wit
 C. catastrophic: disaster
 D. gentle: heart
 E. expressive: song

A B C D E

--	--	--	--	--

Logical Reasoning

• Example 1

Direction: Each passage in the section is followed by question based on its content. After reading a passage, choose the best answer to each question. Answer all questions following a passage on the basis of what is stated implied in that passage.

Student at the Elmwood College of Natural Science must complete a total of twelve courses selected from three different general area – humanities, natural science, and social science – in order to graduate. The student must meet the following course distribution requirement:

- I). Atleast six of the required twelve courses must be from natural sciences
 II). Atleast five of the required twelve courses must be from humanities and social science, with at least one, but no more than three, selected from humanities

Questions:

If students have completed six natural science courses, all the following are possible groups of courses that fulfill the course distribution requirement EXCEPT:

- A. three humanities courses and three social science courses
 B. two humanities course and four social science courses
 C. one humanities course, one natural science course, and four social science courses
 D. one humanities course, two natural science courses, and three social sciences courses
 E. three humanities courses, one natural science course, and two social science courses.

A B C D E

--	--	--	--	--

The minimum number of social science courses required in order to fulfill the courses distribution requirement is:

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

A B C D E

--	--	--	--	--