THE AGA KHAN UNIVERSITY
SAMPLE TEST PAPER 2015-16
Graduate Programme

SECTION I
English

Time allowed: 1 hour

Candidates Name: ______________________________________________________

Application No: ______________________

INSTRUCTIONS:

The Aga Khan University English test is a sophisticated test of grammar and vocabulary in academic contexts. The test consists of five sub-sections, to be completed in ONE hour.

Wherever possible, AKU will conduct the English Test for candidates applying to the AKU graduate programmes as an online test. However, in cities where there are electricity and connectivity issues the paper based English test will be administered.

Candidates may log on to www.englishlanguagetesting.co.uk for additional practice test.

Please read the following instructions carefully.

1. Make sure that you write your name and application number in the space on the question paper and OMR answer sheet.

2. Mark ONLY ONE answers to each MCQ. No credit will be given for multiple answers.

3. There are five sub-sections in this question paper.
   a. Section A 15 questions
   b. Section B 12 questions
   c. Section C 16 questions
   d. Section D 09 questions
   e. Section E 09 questions

4. Attempt all questions.

5. Questions can be attempted in any order.

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 ‘A’
There are 15 questions in Section A.
Choose the correct answers (A, B or C) and mark them on the answer sheet.

Look at the example below. Choose the best word to complete the space:

Asking for a pen
Student A: Do you have a pen?
Student B: Yes. There ______ a pen in my bag.

A. is
B. does
C. have

SECTION ‘B’
There are 12 questions in Section B.
Choose the correct answers (A, B or C) and mark them on the answer sheet.

Look at the example below. Choose the best words to complete the spaces:

The Campus
The University has _____ (i) _____ very heavily in teaching and learning facilities and _____ (ii) _____ to ensure that we offer modern, high quality environment in which our students can live and study happily and effectively.

Space (i)
A. costed
B. invested
C. spent

Space (ii)
A. accommodation
B. accommodates
C. accommodating
SECTION ‘C’
There are 16 questions in Section C.
Choose the correct answers (A, B, C, D or E) and mark them on the answer sheet.

Look at the example below. Choose the word most like the one in italics, in this example the word is registered:

“When you arrive at the university you will be registered at the faculty office.”
Which word is closest to registered?

A. Functioned
B. Participated
C. Resigned
D. Recorded
E. Estimated

SECTION ‘D’
There are 9 questions in Section D.
Choose the correct answers (A, B, C, D or E) and mark them on the answer sheet.

Look at the example below. Choose the word most often used with the one in italics, in this example lounge:

“Please go to the lounge”
Which word is most often used with lounge?

A. train lounge
B. meeting lounge
C. departure lounge
D. information lounge
E. waiting lounge
SECTION ‘E’
There are 9 questions in Section E, each with three or four parts. Decide if each is right or wrong in English and mark them on the answer sheet.

Example:
Each question has three parts ((i), (ii) and (iii)) or four parts ((i), (ii), (iii) and (iv)). Decide if each is right or wrong in English. None, some or all may be right. Look at the example below. In this example (i), (iii) and (iv) are RIGHT and (ii) is WRONG.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(i)</td>
<td>Thank you for completing your application for the University of Newbury. Before you submit your forms, remember to <strong>keep</strong> a copy for your records.</td>
<td>RIGHT</td>
</tr>
<tr>
<td>(ii)</td>
<td>Thank you for completing your application for the University of Newbury. Before you submit your forms, remember to <strong>remain</strong> a copy for your records.</td>
<td>WRONG</td>
</tr>
<tr>
<td>(iii)</td>
<td>Thank you for completing your application for the University of Newbury. Before you submit your forms, remember to <strong>save</strong> a copy for your records.</td>
<td>RIGHT</td>
</tr>
<tr>
<td>(iv)</td>
<td>Thank you for completing your application for the University of Newbury. Before you submit your forms, remember to <strong>make</strong> a copy for your records.</td>
<td>RIGHT</td>
</tr>
</tbody>
</table>
THE AGA KHAN UNIVERSITY

SAMPLE TEST PAPER 2015-16

Master of Education

SECTION II

Numerical and Analytical Reasoning

Time allowed: 1 hour

Candidates Name: ________________________________

Application No: ______________

INSTRUCTIONS:

Please read the following instructions carefully.

1. Make sure that you write your name and application number in the space above and on the given OMR answer sheet.

2. Mark ONLY ONE answers to each MCQ. No credit will be given for multiple answers.

3. If you change an answer, be sure that you completely erase the old answer before marking your new answer.

4. The test has four sub-sections:
   a. Section II-A requires you to solve simple mathematical questions and number sequence.
   b. Section II-B requires you to interpret and analyze data in the form of graphs, charts and tale.
   c. Section II-C requires you to identify and analyze patterns.
   d. Section II-D requires you to evaluate arguments, draw conclusions and identify the support evidences and conditions.

5. An essay answer sheet will be provided for expository writing.

6. Questions can be attempted in any order.
This section is consisted of total 15 questions and the time duration is 10 minutes. In this section you are provided with simple mathematical problems of number operations, fractions, decimals, percentages, ration and proportions, profit and loss, measurements (time, distance), averages and number sequence. You are required to solve the given problems.

1. A boy gets Rs. 20/- per month and spends 75% of it. How much will he save in a year?
   A. 60
   B. 72
   C. 84
   D. 92

2. The average of 3 numbers is 10. Two of them are 7 and 13. What is the third number?
   A. 8
   B. 9
   C. 10
   D. 11

3. \( \frac{37}{21} = \frac{x}{1} \)
   A. 27
   B. 30
   C. 33
   D. 36

4. The next number in the sequence 0, 2, 2, 4, 6, _____
   A. 6
   B. 8
   C. 10
   D. 12
Section II-B
Data Interpretation

This section is consisted of total 10 questions and the time duration is 15 minutes. In this section you are provided with the data in form of graphs, charts and table. You are required to interpret and analyze the data to compare and predict the result.

Instructions:
You are provided with data in the form of graphs, charts and table for each question. Read the data provided in form of tables, charts and graphs carefully to answer the question. You are required to interpret and analyze the data in order to compare and predict.

I. Following table shows the number of female primary and secondary schools for each year from 1995 – 2005.

<table>
<thead>
<tr>
<th>Year</th>
<th>Primary</th>
<th>Secondary</th>
</tr>
</thead>
<tbody>
<tr>
<td>1995 – 96</td>
<td>43434</td>
<td>3329</td>
</tr>
<tr>
<td>1996 – 97</td>
<td>42042</td>
<td>3394</td>
</tr>
<tr>
<td>1997 – 98</td>
<td>51204</td>
<td>4019</td>
</tr>
<tr>
<td>1998 – 99</td>
<td>56515</td>
<td>4710</td>
</tr>
<tr>
<td>1999 – 00</td>
<td>58748</td>
<td>4805</td>
</tr>
<tr>
<td>2000 – 01</td>
<td>42870</td>
<td>3009</td>
</tr>
<tr>
<td>2001 – 02</td>
<td>43524</td>
<td>3000</td>
</tr>
<tr>
<td>2002 – 03</td>
<td>43858</td>
<td>3080</td>
</tr>
<tr>
<td>2003 – 04</td>
<td>43913</td>
<td>3213</td>
</tr>
<tr>
<td>2004 – 05</td>
<td>44429</td>
<td>3319</td>
</tr>
</tbody>
</table>

1. During which years, the number of female primary school have decreased?
   A. 1995-96 and 1999-00
   B. 1996-97 and 2000-01
   C. 2000-01 and 2001-02
   D. 2002-03 and 2003-04

2. What is the greatest number of years, in which there is a constant increase in number of secondary schools?
   A. 3
   B. 4
   C. 5
   D. 6
II. Following pie-chart illustrate the smoking frequency of 15-year-olds in a XYZ school.

Based on above data, what is the difference in percentage of the smoking frequency between boys and girls?

A. 1%
B. 2%
C. 3%
D. 4%
Section II-C
Diagrammatic Reasoning

This section is consisted of total questions and the time duration is 15 minutes. This section does not require any mathematical and verbal ability. This section requires you to analyze and identify patterns, given in the form of shapes, lines, crosses, and dots. For example, some of the pattern may require you to identify the differences in number of shapes, lines, crosses, dots and also movement from up to down, down to up, in to out, clock-wise and anti-clockwise.

Instructions:
You are provided with diagrams in form of shapes, lines and dots. You are required to identify and analyze the pattern.

You have to think in terms of numbers and motion such as up to down, down to up, clockwise, anti-clockwise movement, in and out and counting sides, in order to predict the required option.

Select the best option from A – E that could fit in the first row.

Example
Select an option from A – D boxes given below for the ? Box in the first row.

In this example you have to apply two rules to identify and analyze the pattern.

- Small square movement in clockwise direction.
- Alternate movement of semi-circle and rectangle from right to left and left to right.

So applying both rules, we could identify option “D” as the best option.
Section II-D
Verbal Reasoning

This section is consisted of total 10 questions and the time duration is 15 minutes.

Example

The cost of living in given area is directly proportional to the wages paid by the dominant industry in that area. In Moomba, the dominant industry is farming.

However, in Sepra, the dominant industry is auto manufacturing. Thus, it is fair to conclude that the cost of living must be higher in Sepra than Moomba.

The argument above assumes that:

A. The quality of life in Sepra is higher than the quality of life in Moomba.
B. The number of people manufacturing autos in Moomba is higher than the number of people manufacturing autos in Sepra
C. The cost of living in Sepra is higher than the cost of living in any other area.
D. The wages paid by the auto manufacturing industry are higher than those of the farming industry.

Answer.
You are looking for an assumption, something the author never states, but which must be true for the argument to work. The author concludes that the cost of living is higher in Sepra. The conclusion is backed up by the fact that the cost of living rises with wages in an area, and that people make cars in Sepra, but farm is Moomba. But who’s to say whether auto manufacturing pays more than farming? For all we know, farming pays at least as well as auto manufacturing, and so we’ve located the missing piece in the author’s argument. After all, if farming paid at least as well, then the cost of living in Moomba would be at least as high and the author’s argument would fall apart. So D is necessary for the argument to work.

There are few children in your class who are vocal, expressive and also know the grammatical structures but find it difficult to express their ideas in writing.

1. Which of the following pair of strategies will be most appropriate to facilitate children to express their ideas in writing?
   
   A. Give individual attention and share their strengths with them.
   B. Identify their problems and share their problems with them.
   C. Give them focused time and develop their writing with them.
   D. Encourage them to read and write in their leisure time.
According to a newspaper article obesity (fatness) can cause heart disease among children. Parents must avoid giving children junk food and attention should be paid towards regular exercise. Diabetes and high-blood pressure are considered evil sisters; posing a huge threat to patients’ lives.

2. Which of the following is the most appropriate conclusion?

A. It is essential for parents to encourage children towards healthy food and exercise to avoid any serious illness/problem.
B. It is fundamental for parents to strictly monitor their children with regards to eating junk food.
C. It is important for parents to explain to children that the major cause of heart diseases is junk food.
D. It is important to give children the awareness of the drawbacks of junk food.