

## AUW Undergraduate Program

### Entrance Test

**Probable Date:** March 27, 2009 (Bangladesh Applicants)

**Dates for applicants of other countries will be posted soon.**

**The AUW Entrance Test will test:**

1. **English skills (based on the Michigan Test of English Proficiency and a written essay)**
2. **General Math skills**

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***To assess your English skills, AUW will use the Michigan Test of English Language Proficiency (MTELP) developed by the English Language Institute at the University of Michigan.***

The MTELP consists of 100 multiple-choice questions (Test time: 75 minutes). The test is divided into three parts.<sup>1</sup>

- Part I: Grammar (answer questions based on a conversational format)
- Part II: Vocabulary (select synonyms or complete sentences)
- Part III: Reading Comprehension (read passages and answer comprehension questions)

The following information and sample questions are taken from the Michigan Test Publications Testing brochure. The instructions are those that appear on the actual test.

#### **Part I: Grammar (40 questions)**

**Instructions:** This is a test to show how well you can recognize and use English grammatical structures. Each question in this test is part of a conversation. In each conversation a word (or group of words) is left out. Following the conversation are four choices of words which might be used in the incomplete conversation. You are to select the word (or group of words) which would be used by a speaker of English, and which will best fit into the conversation.

#### **Sample Question:**

“Did you like the movie?”

“I thought it was terrific, \_\_\_\_\_ the strange ending!”

- a) although
- b) even though

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<sup>1</sup> The information above is taken from the University of Michigan English Language Institute website.

- c) in spite of
- d) even

**Answer: c**

**Part II: Vocabulary (40 questions)**

**Instructions:** There are two types of vocabulary items in this test.

In the first type you are given a sentence followed by four words or phrases. You are to find the word or phrase that is closest in meaning to the underlined word (or words) in the sentence and that could be used in the sentence without changing its meaning greatly.

**Sample Question:**

He lives in a spacious apartment.

- a) modern
- b) large
- c) small
- d) expensive

**Answer: b**

**Instructions:** In the other type of item you are given a sentence with one word omitted and a list of four words. You are to find the word that would best complete the sentence.

**Sample Question:**

Bob went to prison because he tried to \_\_\_\_\_ paying his income taxes.

- a) detach
- b) emit
- c) endow
- d) evade

**Answer: d**

### **Part III: Reading Comprehension (20 questions)**

**Instructions:** This is a test to show how well you read English. There are several reading passages each followed by some questions about the passage. You should read each passage carefully and then try to answer the questions following that passage. If you do not know the answer at first, you may read the passage again, but do not spend too much time on the passage or you will not have enough time to finish.

#### **Sample Passage and Questions:**

Everyone is familiar with the rigidity of instinct in insects. Worker ants emerge from their pupal case equipped not with the instincts to care for ant grubs in general, but solely with those suited to ant grubs of their own species. They will attempt to care for the grubs of other species, but appear incapable of learning new methods if their instincts kill their foster children. But even in the fine flowers of vertebrate evolution, the birds and mammals, behavior, though it may be more plastic than in the insects, is as essentially irrational. Birds, for instance, seem incapable of analyzing unfamiliar situations. For them some element in the situation may act as its dominant symbol, the only stimulus to which they can react. At other times, it is the organization of the situation as a whole which is the stimulus: if the whole is interfered with, analysis fails to dissect out the essential element.

Mammals are no better. A cow deprived of its calf will be quieted by a crudely stuffed calfskin. Even the primates are no exception. Female baboons whose offspring have died will continue carrying the corpses until they have not merely putrefied but mummified. This appears to be due not to any depth of grief, but to a contact stimulus: the mother will react similarly to any moderately small and furry object.

1. The author states that instinctive behavior is basically . . .
  - a) irrational.
  - b) analytical.
  - c) plastic.
  - d) destructive.

#### **Answer: a**

2. The worker ant is used to illustrate the . . .
  - a) difference between insects and mammals.
  - b) destructiveness of instinctive behavior.
  - c) rigidity of instinctive behavior.
  - d) adaptability of the species.

**Answer: c**

3. The author wishes to show that the cow and the baboon care for their offspring because of their . . .
- a) great mother love.
  - b) instinctive reactions.
  - c) dissection of the essential element.
  - d) recognition of their offspring as their own.

**Answer: b**

4. The author states that the stimulus to which a bird reacts is . . .
- a) the essential element.
  - b) an essentially irrational element.
  - c) an irrational organization of the situation as a whole.
  - d) either a dominant symbol or the situation as a whole.

**Answer: d**

5. The author states that the behavior of birds and mammals, as compared to that of insects, is . . .
- a) less rigid.
  - b) more organized.
  - c) less irrational.
  - d) less destructive.

**Answer: a**

***To assess your writing skills, AUW will provide a prompt and you will be asked to write an essay.***

**Instruction:** Please choose one of the following questions and develop a thoughtful response. You will have 45 minutes to write the essay.

**Sample Question:** *Who was the best teacher you ever had? Please explain.*

***To assess your math skills, the Access Academy will use a math exam that tests the following:***

1. Computation
2. Basic Algebra
3. Geometry
4. Advanced Algebra and Trigonometry, Logarithms, Exponentials
5. Statistics

**Sample Questions:**

1.  $\sqrt{36}$

- A. 36      B. 18      C. -36      D.  $\frac{1}{36}$       E. 6

**Answer: E**

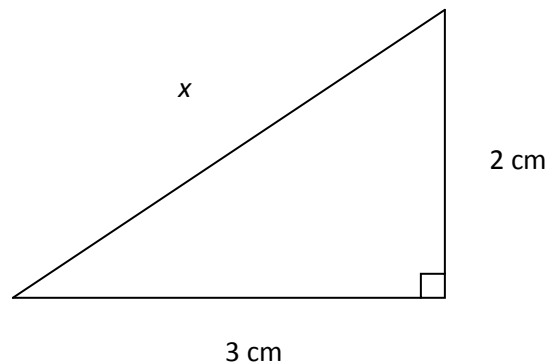
2.  $5x^2 y^{-3} z^{-1} =$

- A.  $(5xyz)^{-2}$       B.  $(5xyz)^6$       C.  $\frac{5x^2}{y^3z}$       D.  $\frac{x^2}{5y^3z}$       E.  $-\frac{5x^2}{y^3z}$

**Answer: C**

3. A right triangle is depicted below. What is the measure of the hypotenuse,  $x$ ?

- A. 4      B. 5      C. 6      D.  $\sqrt{5}$       E.  $\sqrt{13}$



**Answer: E**

4. Solve for  $x$ :  $\sqrt{2x+3} = 4$

**A.**  $x = \frac{1}{2}$       **B.**  $x = \frac{7}{4}$       **C.**  $x = \frac{7}{2}$       **D.**  $x = \frac{13}{4}$       **E.**  $x = \frac{13}{2}$

**Answer: E**

5. If a fair coin is flipped, the probability it lands face up is  $\frac{1}{2}$ . If 3 such coins are flipped, what is the probability all three will land face up?

**A.**  $\frac{1}{8}$       **B.**  $\frac{1}{3}$       **C.**  $\frac{1}{2}$       **D.**  $\frac{2}{3}$       **E.**  $\frac{3}{4}$

**Answer: A**