

**INFORMATION BULLETIN FOR THE KUUMAT  
AND SAMPLE TEST QUESTIONS**



**KATHMANDU UNIVERSITY SCHOOL OF MANAGEMENT**

**KUSOM**  
Ahead in Management

## SAMPLE TEST QUESTIONS

The following questions will familiarize you with the type of questions asked in the written test. Although the sample questions represent the general nature of the test, it is possible that a type of question not illustrated here may appear in the test or that material illustrated here may not appear.

All questions are in English and are of objective type (except section 1).

### Section 2 Time – 25 minutes 20 questions

Directions: For this section, solve each problem and decide which one is the best of the choices given and write the correct choice (A, B, C, D or E) in the corresponding box on the answer sheet.

1. Andrea subscribed to four publications that cost Rs 12.90, Rs 16.00, Rs 18.00, and Rs 21.90 per year, respectively. If she made an initial payment of one half of the total yearly subscription cost, and paid the rest in four equal monthly payments, how much was each of the four monthly payments?  
(A) Rs 8.60  
(B) Rs 9.20  
(C) Rs 9.45  
(D) Rs 17.20  
(E) Rs 34.40
2. If  $2x/x^2+1=2/x+2$ , what is the value of  $x$ ?  
(A)  $-1/4$   
(B)  $1/4$   
(C)  $1/2$   
(D) 0  
(E) 2
3. What is the diameter of a circle with circumference 5?  
(A)  $5/\pi$   
(B)  $10/\pi$   
(C) 5  
(D)  $5\pi$   
(E)  $10\pi$
4. A researcher found that the number of bacteria in a certain sample doubles every hour. If there were 6 bacteria in the sample at the start of the experiment, how many bacteria were there after 9 hours?  
(A) 54  
(B) 512  
(C) 1,536  
(D) 3,072  
(E) 6,144

**1. Nature and Duration of Test**

The Admission Test is designed to assess the suitability of applicants for Under- Graduate study in Management. The test consists of questions broadly in the areas of (a) verbal assessment and (b) quantitative assessment.

The verbal assessment sections measure abilities to understand, analyze and evaluate what is read and to recognize basic rules of incorrect or ineffective expressions. These sections test your acquaintance with basic rules of standard written English, and your comprehension of a given passage in terms of answer to questions based on the passage, your understanding of the meaning of and relations between words (antonyms, synonyms, analogical reasoning etc.). Your critical reasoning abilities are also tested in these sections.

The quantitative assessment sections test basic mathematical skills and understanding of elementary mathematical concepts as well as the ability to reason quantitatively, to solve quantitative problems and to interpret data given in tabular or graphical forms.

The total test is divided into 5 sections of varying length and duration. The total duration of all section is expected to be around 2 hours.

**2. Some Important Points for Taking the Test**

Read the directions in each section of the test carefully. Directions in each section change. The directions explain exactly what each section requires in order to answer each question-type. There are time limits fixed for each section.

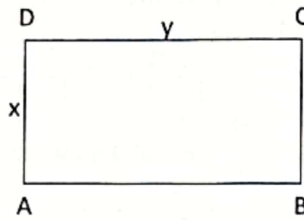
**3. Should You Guess**

In general, if you know nothing about a question, it is probably better to skip it. There is a negative scoring for incorrect answer and zero for every omitted question. That is, you will receive one point for every correct answer and zero for every question you omit, but you will lose one-fourth (0.25) of a point for each wrong answer. However, if you have some knowledge of a question and are able to eliminate the wrong answer choices, your chance of getting the right answer is improved. In other words, "intelligent guessing" on the basis of some knowledge but not blind or random guessing, may be to your advantage.

**4. Some Necessary Rules**

- Report to your Test Center about half an hour before the test time. Check with the supervisor at the center regarding the seating arrangement.
- Bring your identity card to the test center.
- Bring with you two or three H.B. pencils, an eraser, a sharpener, a pen and a calculator.
- Bring a watch. Synchronize your watch with that of the test center or supervisor/invigilator.
- Books, compasses, slide rules, drawing instruments, papers of any kind will not be allowed into the test room.
- Indicate only one answer to each test question that you choose to answer. Multiple responses to a question result in the question being considered incorrect.
- When you take the test, you will mark your answers on the separate answer sheet provided.
- Pay close attention to directions given by the supervisor. When the supervisor/invigilator tells you to start or to stop you must follow his/ her instructions accordingly.
- Any candidate giving/seeking/receiving any kind of assistance during the test from other candidates will be expelled from the test center.
- At the end of the test, be seated in your position. Do not leave the hall immediately. The supervisor/invigilator will collect the test booklet, and your answer sheet. You will be allowed to leave after collection of all the papers from all the candidates in your hall.
- Keep the admit card safe for the second phase of admission test in the respective colleges.

5. If the perimeter of rectangle ABCD is equal to  $p$ , and  $x = \frac{2}{3}y$ , what is the value of  $y$  in terms of  $p$ ?



- (A)  $p/10$
- (B)  $3p/10$
- (C)  $p/3$
- (D)  $2p/5$
- (E)  $3p/5$

**Section 3**  
**Time – 25 minutes**  
**24 Questions**

Directions: For each question in this section, select the best answer from among the choices given and write the correct choice (A, B, C, D or E) in the corresponding box on the answer sheet.

Each sentence below has one or two blanks, each blank indicating that something has been omitted. Beneath the sentence are five words or sets of words labeled A through E. Choose the word or set of words that, when inserted in the sentence, best fits the meaning of the sentence as a whole.

Questions 1-2 are based on the following passage.

Paris is a circular city divided into 20 sectors called arrondissements, which spiral out from the center of the city. Romans inhabited the islands that make up the heart of Paris in the first century A.D. and built a wall to protect their territory. New walls were built in concentric circles as the city expanded, the sites of which were transformed into some of today's streets. The first twelve arrondissements were laid out by 1795 and the surrounding suburban areas were annexed in 1860 to add eight more.

1. The tone and content of the passage is most appropriate for which of the following?
  - (A) An urban planning proposal
  - (B) A traveler's guidebook
  - (C) A satire magazine
  - (D) An art history textbook
  - (E) A book of Roman history
2. According to the passage, which of the following has most influenced the layout of Paris?
  - (A) The decreasing population of the city
  - (B) The ritual importance of the spiral symbol
  - (C) A need for defense
  - (D) Roman experiments in solid geometry
  - (E) The desire to improve upon Roman architectural styles
3. To prevent household fires, all flammable liquids, oily rags, and other ..... materials should be properly disposed of.

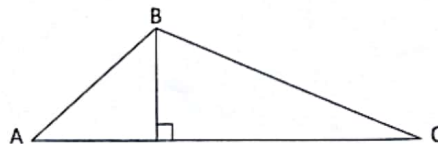


- (A) Combustible  
(B) Unctuous  
(C) Restricted  
(D) Diluted  
(E) Extinguishable
4. It is ironic that the ..... insights of the great thinkers are voiced so often that they have become mere .....  
(A) original .. clichés  
(B) banal .. beliefs  
(C) dubious .. habits  
(D) philosophical .. questions  
(E) abstract .. assessments
5. Since many disadvantaged individuals view their situations as ..... As well as intolerable, their attitudes can best be described as .....  
(A) Squalid .. obscure  
(B) Unpleasant .. bellicose  
(C) Acute .. sanguine  
(D) Inalterable .. resigned  
(E) Political .. perplexed
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**Section 4**  
**Time – 25 minutes**  
**20 Questions**

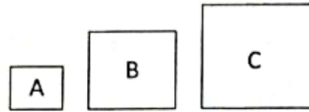
Directions: For this section, solve each problem and decide which is the best of the choices given and write the correct choice (A, B, C, D or E) in the corresponding box on the answer sheet. You may use rough sheet for scratch work.

1. If  $2 + a = 2 - a$ , what is the value of  $a$ ?  
a) -1  
b) 0  
c) 1  
d) 2  
e) 4
2. If  $AC = 4$ , what is the area of triangle ABC?



- (A)  $\frac{1}{2}$   
(B) 2  
(C)  $\sqrt{7}$   
(D) 4  
(E) 8

3. In the figure below, the perimeter of square A is  $\frac{2}{3}$  the perimeter of square B, and the perimeter of square B is  $\frac{2}{3}$  the perimeter of square C. If the area of square A is 16, what is the area of square C?



- (A) 24  
(B) 36  
(C) 64  
(D) 72  
(E) 81
4. A bakery uses a special flour mixture that contains corn, wheat, and rye in the ration of 3:5:2. If a bag of the mixture contains 5 pounds of rye, how many pounds of wheat does it contain?  
(A) 2  
(B) 5  
(C) 7.5  
(D) 10  
(E) 12.5
5. If  $c$  is positive, what percent of  $3c$  is 9?  
(A)  $c/100$  %  
(B)  $c/3$  %  
(C)  $9/c$  %  
(D) 3%  
(E)  $300/c$  %
6. The coordinates of points D, E, and F in the  $xy$ -plane are: D (-6, 3); E (-1, -1); F (-1, 3). What is the perimeter of  $\triangle DEF$ ?  
(A) 12  
(B) 20  
(C)  $9 + \sqrt{17}$  (approximately 13.12)  
(D)  $9 + \sqrt{41}$  (approximately 15.40)  
(E)  $\sqrt{150}$  (approximately 12.25)

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**Section 5**  
**Time – 25 minutes**  
**35 Questions**

Directions: For each question in this section, select the best answer from among the choices given.

The following sentences test correctness and effectiveness of expression. Part of each sentence or the entire sentences is underlined; beneath each sentence are five ways of phrasing the underlined material. Choice A repeats the original phrasing; the other four choices are different. If you think the original phrasing produces a better sentence than any of the alternatives, select choice A; if not, select one of the other choices.

In making your selection, follow the requirement of standard written English; that is, pay attention to grammar, choice of words, sentence construction, and punctuation. Your selection should result in the most effective sentence – clear and precise, without awkwardness or ambiguity.

1. Laura Southworth, a children's author who is beginning to attract the notice of critics and librarians alike, wrote and illustrated her first story *Tika* and she was only seven years old then.  
 (A) and she was only seven years old then  
 (B) at age seven years old only  
 (C) when she was only seven years old  
 (D) upon the reaching of only seven years  
 (E) at the time when she was only seven
2. Many building technologies are changing significantly in the last two thousand years, but today's concrete is still similar to the concrete of Roman times.  
 (A) are changing  
 (B) have changed  
 (C) had changed  
 (D) are going to change  
 (E) change
3. The video class that meets on Thursdays makes use of the innovative software MAYA, which enables students to design and build a virtual stage set, a home, or even a city in three dimensions.  
 (A) makes use of the innovative software MAYA, which enables students to design and build  
 (B) using the innovative software MAYA and enabling students to design and build  
 (C) besides making use of the innovative software MAYA, enables students to design and build  
 (D) because it makes use of the innovative software MAYA, it enables students to design and build  
 (E) not only making use of the innovative software MAYA, but also enabling students in the design and building of

The following sentences test your ability to recognize grammar and usage errors. Each sentence contains either a single error or no error at all. No sentence contains more than one error. The error, if there is one, is underlined and lettered. If the sentence contains an error, select the one underline part that must be changed to make the sentence correct. If the sentence is correct, select choice E. In choosing answers, follow the requirements of standard written English

4. Not everyone would agree that Lawrence Olivier's performance in Henry V was superior to Kenneth Branagh. No error  
 A B C D E
5. There is many benefits to biking; it is both a rigorous form of exercise and an environmentally sustainable conscious mode of transportation. No error  
 A B C D E