

# College of Admission Tests

Test Taker's Help Series



CAT

## Sample Paper

The Sample Paper is provided to familiarize you with the contents of LCAT – LUMS Common Admission Test. Note; however, this sample paper is not intended to be the actual paper but it is similar to the actual.

# LCAT



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Sample Paper for:

LUMS Common Admission Test (LCAT)  
For Undergraduate Programs



Purpose of this sample paper is to familiarize the test taker with the question types that appear on the actual test. The number of questions and the proportion of the questions are not equal to that on the actual test.

- A. 2.5 km
- B. 3.5 km
- C. 4.5 km
- D. 5.5 km
- E. None of the above

**Answer : C**

3. If 1 cm on a map corresponds to an actual distance of 40 km. And the distance on the map between Bombay and Calcutta is 37.5 cm., the actual distance between them is :
  - A. 375 km
  - B. 3750 km
  - C. 1500 km
  - D. 1375 km
  - E. None of the above

**Answer : C**

4. A box contains 90 nuts each of 100 gm and 100 bolts each of 150 gm. If the entire box weighs 35.5 kg., then the weight of the empty box is :
  - A. 10 kg
  - B. 10.5 kg
  - C. 11 kg
  - D. 11.5 kg
  - E. None of the above

**Answer : D**

5. If the radius of a circle is increased by 20% then the area is increased by :
  - A. 44%
  - B. 120%
  - C. 144%
  - D. 40%
  - E. None of the above

**Answer : A**

## Mathematics

### Directions:

Solve each quantitative ability problem and indicate the best of the answer choices given.

**Numbers:** All numbers used are real numbers.

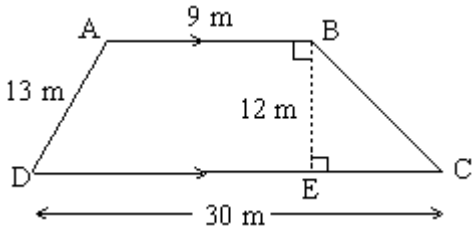
**Figures:** A figure accompanying a quantitative ability problem solving question is intended to provide information useful in solving the problem. Figures are drawn as accurately as possible EXCEPT when it is stated in a specific problem that its figure is not drawn to scale. Straight lines may sometimes appear jagged. All figures lie on a plane unless otherwise indicated.

1. A rectangle is 14 cm long and 10 cm wide. If the length is reduced by  $x$  cm and its width is increased also by  $x$  cm so as to make it a square then its area changes by :
  - A. 4
  - B. 144
  - C. 12
  - D. 2
  - E. None of the above.

**Answer : A**

2. A motorcycle stunts man belonging to fair rides over the vertical walls of a circular well at an average speed of 54 km/h for 5 minutes. If the radius of the well is 5 meters then the distance traveled is:

6. A plot of land is in the shape of a trapezium whose dimensions are given in the figure below :

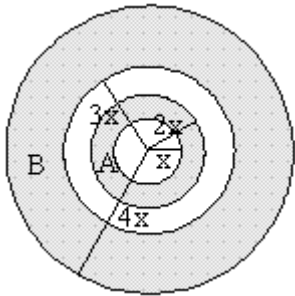


Hence the perimeter of the field is

- A. 50 m
- B. 64 m
- C. 72 m
- D. 84 m
- E. None of the above

Answer : c

7. Four concentric (having the same center) circles with radii,  $x$ ,  $2x$ ,  $3x$  and  $4x$  are drawn to



form two rings A and B as shown in the figure.

Ratio of the area of inner ring A to the area of outer ring B is

- A. 1 : 2
- B. 1 : 4
- C. 2 : 3
- D. 3 : 7
- E. None of the above

Answer : D

8. If  $3/p = 6$  and  $3/q = 15$  then  $p - q = ?$

- A.  $1/3$
- B.  $2/5$
- C.  $3/10$
- D.  $5/6$

4

E. None of the above

Answer : C

9. A father is three times as old as his son. After fifteen years the father will be twice as old as his son's age at that time. Hence the father's present age is

- A. 36
- B. 42
- C. 45
- D. 48
- E. None of the above

Answer : C

10. Tom, Dick and Harry went for lunch to a restaurant. Tom had \$100 with him, Dick had \$60 and Harry had \$40. They got a bill for \$104 and decided to give a tip of \$16. They further decided to share the total expenses in the ratio of the amounts of money each carried. The amount of money which Tom paid more than what Harry paid is

- A. 120
- B. 200
- C. 60
- D. 24
- E. 36

Answer : E

## Verbal

### Sentence Completion

Directions:

Each sentence below has one or two blanks. Each blank shows that something has been omitted. Under each sentence five words are given as choice. Choose the one correct word for each blank that best fits the meaning of the sentences as a whole.

1. A child should not be \_\_\_\_\_ as being either very shy or over confident.

- A. categorized
- B. instructed
- C. intoned
- D. distracted
- E. refrained

- C. superficial
- D. complex
- E. heretical

**Answer :A**

2. **President Anwar el Sadat of Egypt, disregarding \_\_\_\_\_ criticism in the Arab world and in his own Government, \_\_\_\_\_ accepted Prime Minister Menahem Begin's invitation to visit Israel in order to address the Israeli parliament.**

- A. acrimonious - formally
- B. blemished - stiffly
- C. categorical - previously
- D. malignant - plaintively
- E. charismatic - meticulously

**Answer :A**

3. **In his usual \_\_\_\_\_ manner, he had insured himself against this type of loss.**

- A. pensive
- B. providential
- C. indifferent
- D. circumspect
- E. caustic

**Answer :D**

4. **We never believed that he would resort to \_\_\_\_\_ in order to achieve his goal; we always regarded him as a \_\_\_\_\_ man.**

- A. charm - insincere
- B. necromancy - pietistic
- C. logic - honorable
- D. prestidigitation - articulate
- E. subterfuge - honest

**Answer: E**

5. **The Sociologist responded to the charge that her new theory was \_\_\_\_\_ by pointing out that it did not in fact contradict accepted sociological principles.**

- A. unproven
- B. banal

**Answer :E**

## Reading Comprehension

### Directions:

Each reading comprehension passage in this section is followed by questions based on the content of the reading passage. Read the passage carefully and chose the best answer to each question. The questions are to be answered on the basis of what is stated or implied in the passage.

### Passage

But man is not destined to vanish. He can be killed, but he cannot be destroyed, because his soul is deathless and his spirit is irrepressible. Therefore, though the situation seems dark in the context of the confrontation between the superpowers, the silver lining is provided by amazing phenomenon that the very nations which have spent incalculable resources and energy for the production of deadly weapons are desperately trying to find out how they might never be used. They threaten each other, intimidate each other and go to the brink, but before the total hour arrives they withdraw from the brink.

1. **The main point from the author's view is that**
  - A. Man's soul and spirit cannot be destroyed by superpowers.
  - B. Man's destiny is not fully clear or visible.
  - C. Man's soul and spirit are immortal.
  - D. Man's safety is assured by the delicate balance of power in terms of nuclear weapons.
  - E. Human society will survive despite the serious threat of total annihilation.

**Answer: E**

2. **The phrase 'Go to the brink' in the passage means**

- A. Retreating from extreme danger.
- B. Declare war on each other.
- C. Advancing to the stage of war but not engaging in it.
- D. Negotiate for peace.
- E. Commit suicide.

**3. In the author's opinion**

- A. Huge stockpiles of destructive weapons have so far saved mankind from a catastrophe.
- B. Superpowers have at last realized the need for abandoning the production of lethal weapons.
- C. Mankind is heading towards complete destruction.
- D. Nations in possession of huge stockpiles of lethal weapons are trying hard to avoid actual conflict.
- E. There is a Silver lining over the production of deadly weapons.

**Answer: D**

**4. 'Irrepressible' in the second line means**

- A. incompatible
- B. strong
- C. oppressive
- D. un-restrain able
- E. inspirited

**Answer : D**

**5. A suitable title for the above passage is**

- A. Destruction of mankind is in evitable.
- B. Man's desire to survive inhibits use of deadly weapons.
- C. Mounting cost of modern weapons.
- D. Threats and intimidation between super powers.
- E. Cowardly retreat by man

**Answer : B**

**Sentence Correction**

**Directions:**

The following sentences describe the same event. Select the most grammatically correct choice. Choose the best answer to each question from the five choices marked (A), (B), (C), (D) and (E). Then fill in the corresponding oval on your answer sheet.

**1.**

- A. The four basic elements that make up all but one percent of terrestrial matter include carbon, hydrogen, nitrogen, and oxygen is also.

- B. The four basic elements that make up all but one percent of terrestrial matter including carbon, hydrogen, nitrogen, and oxygen is also.
- C. The four basic elements that making up all but one percent of terrestrial matter including carbon, hydrogen, nitrogen, and oxygen is also.
- D. The four basic elements that make up all but one percent of terrestrial matter include carbon, hydrogen, nitrogen, and oxygen also.
- E. The four basic elements which make up all but one percent of terrestrial matter including carbon, hydrogen, nitrogen, and oxygen is also.

**Answer: D**

**2.**

- A. You can use these machines only between 9A.M and 5A.M.
- B. You can use these machines only 9A.M and 5A.M.
- C. You can use this machines only between 9A.M and 5A.M.
- D. You can use these machines just only between 9A.M to 5A.M.
- E. You can use these machines between only 9A.M and 5A.M.

**Answer: A**

**3.**

- A. To apply for a passport, fill out the application form; attach two recent photographs, and taking to your local post office or passport office.
- B. To applying for a passport, filling out the application form; attach two recent photographs, and taking it to your local post office or passport office.
- C. To apply for a passport, fill out the application form; attaching two recent photographs, and taking it to your local post office or passport office.
- D. To apply for a passport, fill it out the application form; attach two recent photographs, and taking it to your local post office or passport office.
- E. To apply for a passport, fill out the application form; attach two recent photographs, and take it to your local post office or passport office.

**Answer: E**

**4.**

- A. Even on the most careful prepared trip, problems are developing.
- B. Even on most careful prepared trip, problems are developed.
- C. Even on the most carefully prepared trip, problems develop.
- D. Even on the most careful prepared trip, problems develop.
- E. Even on the most careful prepared trip, problems develop.

**Answer: C**

- 5.
- A. Residents in some cities can call an electrical inspector to have the wiring in their house is checked.
  - B. Residents in some cities can call an electrical inspector to have the wiring in their house be checked.
  - C. Residents in some cities can call an electrical inspector to make the wiring in their house is checked.
  - D. Residents in some cities can call an electrical inspector to have the wiring in their house to be checked.
  - E. Residents in some cities can call an electrical inspector to have the wiring in their house checking.

**Answer: B**

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