SAMPLE TEST PAPER
COLLEGE OF ENGINEERING & SCIENCES
INSTITUTE OF BUSINESS MANAGEMENT
PRE-ADMISSION ENTRY TEST FOR ADMISSION IN
B.E. ELECTRICAL ENGINEERING

Time Allowed: Seventy Five Minutes

SECTION I
ENGLISH

Direction: In each of the following sentences, a word or phrase is underlined. From the choices given, select the one word or phrase that best preserves the meaning of the original sentence. Indicate the correct answer by blackening the corresponding space on the answer grid.

1. The world may not have ended on May 21, but it’s clear that something increasingly ominous is going on.
   (A) extremely pleasing to taste
   (B) lively high-spirited
   (C) offensive; disgusting (smell)
   (D) threatening

Directions: Choose the best opinion to complete the following sentence:

2. Discount coupons will be available from tomorrow; they can be collected during office hours.
   (A) these coupons will be collected during office hours.
   (B) they can be collected during office hours.

Directions: Each sentence has four words or phrases underlined. The four underlined parts of the sentence are marked A, B, C & D. You are to identify the one underlined number of the problem and mark your answer.

3. It is not acceptable for tolerating any delay in submission of annual report which indicate the process of employees.
   A                                   B                                                    C                        D

Direction: Choose the most appropriate preposition:

4. The ruling party will have to put its own house__________ order
   (A) in
   (B) to
   (C) with
   (D) into

CRITICAL READING

Instructions: The questions in this group are based on the content of a passage. After reading the passage, choose the best answer to each question. Answer all questions following the passage on the basis of what is stated or implied in the passage.
SECTION II
PHYSICS (MCQs: 15)
(Questions: 1-15)

Sample:
Choose the right answer
1. If the instant velocity does not change, the body is moving with a ____________

(A) Uniform Velocity
(B) Variable Velocity
(C) Initial Velocity
(D) Non of these

SECTION III
MATHEMATICS (MCQs: 20)
(Questions: 1-20)

Sample:
Choose the right answer.

1. Find the gradient of the curve y = 2x + 1/x at the point (1, 3)
   (A) -2    (B) -1    (C) 0    (D) 1    (E) 2

SECTION IV
CHEMISTRY (MCQs: 20)
(Questions: 1-20)

Sample:
Choose the right answer.

1. The principal quantum number defines the ______________

   (A) Shape of orbital
   (B) Distance from the nucleus
   (C) Spin of the electron
   (D) Rotation of the orbital
**PART-V**

**NUMBER/LETTER SERIES**

<table>
<thead>
<tr>
<th>Question Series</th>
<th>Answer Series</th>
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<tbody>
<tr>
<td>A B C D</td>
<td>A B C D</td>
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**DIRECTION:** Study the series of numbers given below. Workout the pattern of each series and identify the next number in the series stated below, darken a suitable block, according to your choice:

1. A F J M O L P O M
   The correct answer is B

2. Y V S P M O D J F
   The correct answer is C

3. 3 9 15 21 27 33 43 39 41
   The correct answer is A
PART-VI
GENERAL KNOWLEDGE

Items: 15
Negative Marking

Direction: Choose the correct answer:

1. The portrait of Mona Lisa is in an Art Gallery in:
   A) Paris
   B) Rome
   C) Copenhagen
   D) New York

2. Wimbledon is famous for:
   A) Tennis
   B) Soccer
   C) Swimming
   D) Hockey

3. Secretary General of UN is:
   A) Colin Powell
   B) Ban ki Moon
   C) Jaswant Singh
   D) Hilary Clinton

4. The World Trade Centre was attacked on:
   A) September 11, 2001
   B) October 7, 2001
   C) August 11, 2001
   D) October 17 2001

The darkened options are correct answers