Karachi Institute of Economics and Technology
KIET
Collaboration with Pakistan Air Force

SAMPLE TEST PAPER
(Engineering Candidates)

GENERAL INSTRUCTIONS: (shall be followed at the time of Admission Test)

1. Mark your answer at the appropriate space.
2. There will be no negative marking.
3. Follow the instructions of the test controller and stop editing when you are told to do so.
4. Calculators / gadgets of any kind are not allowed.
5. Mobile phones are not allowed in the examination venue.
6. All the questions are self-explanatory. Do not ask for any clarification.

SECTION – I (ENGLISH)

(A) GRAMMAR	(10 minutes, 20 Questions)
(B) PASSAGE READING	(18 minutes, 20 Questions)
(C) ESSAY WRITING	(20 minutes)

GRAMMAR

Consequently, Phillip sailed northward in search of (1) _____ (**the, a, an**) better location, which was discovered quickly. After they (2) _____ (**had unloaded, unload, were loading**) the people and supplies from the ships, Phillip claimed the entire coast for Britain.

PASSAGE READING

Two pages of text to be read in 12 minutes followed by twenty questions to be answered

SECTION – II (MATHEMATICS)

The foci of the hyperbola $\frac{y^2}{9} - \frac{x^2}{4} = 1$ lie on the line:

a) x = 0 b) y = 0 c) x = 3 d) y = 4

$\lim_{x \to 0} \left(1 + x^2\right)^{\frac{1}{x}}$ is equal to:

a) 0 b) e c) –1 d) 1

If $y = e^{-x}$, then the 4th derivative $y^{(iv)}$ at x = 1 is:

a) e b) e^{-x} c) e^{-1} d) e^{x}

SECTION – III (PHYSICS)

The dimensions of power are:
(a) ML2T-2 (b) ML 2T2
(c) ML 2T-1 (d) ML -1T-1

The special theory of relativity was published in 1950 by:
(a) Lorentz (b) Schrodinger
(c) Einstein (d) Max Plank

One inch is equal to:
(a) 0.254 cm (b) 2.54 cm
(c) 2.45 cm (d) 2.98 cm