Sample Entry Test

Total Time allowed 120 minutes for 100 questions in all. Tick the right question.

Part I	Mathematics	(40 Questions in All)

Q1) The multiplicative inverse of -3i is

a) 3i   b) 1/3i   c) 3   d) -3i

Q2) The 5th term of the sequence an = 2n-3 is

a) 13   b) -13   c) 7   d) -7

Q3) The equation the line bisecting first and third quadrant is

a) y=x   b) y=-x   c) y=a   d) x=a

Q4) The conjugate of x+iy is

a) x-iy   b) -x-iy   c) x+iy   d) -x+iy

Part II	Physics	(30 Questions in All)

Q1) If we take the cross product of two vectors then which statement is true

a) AXB=BXA   b) AXB=-BXA   c) AXB=-AXB   d) None

Q2) The period of simple pendulum is independent of

a) Accelerations due to gravity

b) Length

c) Mass

d) None of the above

Q3) The SI unit of inductance is a

a) Maxwell   b) Henry   c) Tesla   d) Ampere

Q4) The SI unit of time period is

a) Second   b) Hertz   c) Rev/min   d) Revolution

Part III Chemistry (15 Question in All)

Q1) The negatively charged particles are called

a) cation b) anion c) radical d) positron

Q2) Which of the following element have the largest radius

a) F b) Br c) Cl d) I

Q3) The major portion of Natural Gas is

a) Ethane b) Propane c) Butane d) Methane

Part IV English (15 Question in All)

Q1) I'm busy at the moment, _____ on the computer

a) I work b) I'm work c) I'm working d) I working

Q2) I _____ like that coat. It's really nice

a) Am b) do c) very d) yes

Q3) I was Watching TV at home when suddenly _____ rang

a) A doorbell b) an doorbell c) doorbell d) the doorbell

Q4) I've lost the key. I ought _____ it in safe place.

a) that I put b) to be putting c) to have put d) to put