ICET (Integrated Common Entrance Test) SYLLABUS

GENERAL INFORMATION: 200 Questions(200 Marks;Time:150 min)

Section-A: Analytical Ability: 75Q(75M)

1. Data Sufficiency: 20Q(20 marks)

A question is given followed by data I the form of two statements labelled as I and II. If the data given in I alone is sufficient to answer the question then choice(1) is The correct answer. If both , I and II put together are sufficient to answer the questions but neither statement alone is sufficient then choice(3) is the correct answer. If both I and II put together are not sufficient to answer the question and additional data is needed then choice(4) is correct answer.

2. Problem solving 55Q(55M)

a) Sequences and series 25Q(25marks)

Analogies of numbers and alphabets, completion of blank spaces following the pattern in a:b:c:d relationship; odd thing out; missing number in a sequence or a series.

b) Data Analysis 10Q(10M)

The data given in a table. Graphs Bar diagram, pie Chart, Venn Diagram or a passage is to be analysed and the questions pertaining to the data are to be answered.

c) Coding and Decoding problems: 10Q(10M)

A code pattern of English Alphabets is given, A given word or a group of letters are to be coded or decoded based on the given code or codes.

d) Date, Time & Arrangement problems: 10Q(10M)

Calendar problems, clock problems, blood relationships, arrivals, departures and Schedules ; seating arrangements, symbols and notation interpretation.

Section-B Mathematical Ability: 75Q(75M)

I. Arithmetic Ability: 35Q(35M)

Laws of indices, ratio and proportion; surds; numbers and divisibility, I.e.m, and g.c.d; Rational number; ordering; Percentages; profit and loss; partnerships, pipes and cisterms, time, distance and work problems; areas and volumes, mensuration, modular arithmetic.

II. Algebrical and Geometrical ability: 30Q(30M)

Statements, truth tables, implication, converse and inverse, tautologies-sets, relations and functions; polynomials; remainders theorem and consequences; linear

Equations and inequations; modulus; quadric equations and expression; progressions; progressions; binomial theorem , matrices notion of a limit and derivative.

Plane geometry-lines, triangles, Quadrilaterals, Circles,coordiate geometry-distance between points and applications. Equation of a line in different forms.

Trigonometry- Trigonometric ratios of standard angles(0,30,45,60,90,180 degrees); Trigonometry identities; simple problems on heights and distances.

III. Statistical Ability:

Frequency distribution, mean , median, mode, standard deviation, correlation, simple problems probability.

Section C - Communication Ability: 50Q(50M)

Objective of the Test

Candidates will be assessed on their ability to

1. Identify vocabulary used in the day-today communication.

2. Understand the functional use of grammar in day to day communication as well in the business contexts.

3.Identify the basic terminology and concepts in computer and business context(letters, reports,memoranda,agenda, minutes etc).

4. Understand written text and draw inferences

Part 1. Vocabulary 10Q(10M)

Part 2. Business and computer terminology 10Q(10M)

Part 3. Functional Grammar 15Q(15M)

Part 4. Reading Comprehension(3 Passages) (15M)