

# **DRDO CEPTAM MTS SYLLABUS 2019-20 FOR TOPIC WISE**

## **General Intelligence & Reasoning**

Decision making  
Analogy.  
Non-Verbal Series.  
Alphabet Series.  
Number Ranking.  
Arithmetical Computation.  
Problem Solving.  
Judgment  
Arithmetical Number Series.  
Number Series.  
Discriminating observation  
Practice Reasoning Mock Test Questions

## **Quantitative Aptitude & Arithmetic Ability**

Tables and Graphs.  
Fundamental arithmetical operations  
Discounts.  
Ratio and Time.  
HCF & LCM.  
Percentages.  
Time and Work.  
Data Interpretation etc.  
Number System.  
Time and Distance.  
Computation of Whole Numbers  
Use of Tables and Graphs.  
Simplification.  
Mensuration.  
Relationship between Numbers  
Decimal & Fractions.  
Averages.  
Simple & Compound Interest.  
Profit and Loss.

## **General Awareness**

History.  
Books and Authors.  
Culture.  
Abbreviations.  
General Politics.  
Current Affairs – National & International.  
Economic Science.

Geography.  
Important Financial & Economic News.  
Science – Inventions & Discoveries.  
Indian Constitution.  
Current events.  
Books.  
Important Days.  
Awards and Honors.  
Sports and Games.  
Practise GK Mock Test Questions

## **For Tier II Exam**

### **English**

Grammar.  
Articles.  
Antonyms.  
Subject-Verb Agreement.  
Sentence Rearrangement.  
Fill in the Blanks.  
Comprehension.  
Unseen Passages.  
Error Correction.  
Idioms & Phrases.  
Synonyms  
Vocabulary.  
Verb.  
Parts of Speech.  
Active Voice & Passive Voice.  
Tenses.  
Degrees of Comparison  
Adverb.

### **General Maths**

Average  
Discount  
Partnership  
Time & Work  
Time & Distance  
Mensuration And Other Related Topics.  
Fundamental Arithmetical operations  
Percentages  
Ration and Proportion  
Profit and Loss  
Simple Interest

General Science:

## **Biology:**

Human Reproductive system  
Human Digestive system  
The five kingdoms of life  
Mode of Nutrition in Animal  
Food and Nutrition  
Human Diseases  
Nuclear fission and nuclear fusion  
Classification of Animal Kingdom  
Nutrition in Animal  
Sexual Reproduction in Animal  
Respiration in Animals  
Plant tissue  
Photosynthesis  
Classification of Organisms.  
Cytology  
Plant Morphology  
Genetics  
Structure of Plant and Animal Cell  
Classification of Plant Kingdom  
The transport system in Plant  
Human Circulatory system.  
The Heart  
Composition of Blood  
Functions of Blood  
Asexual Reproduction in Plants  
Plant Hormones  
Respiration and Excretion in plants  
The Cell: The foundation of all living things  
Cell: Structure and Functions  
Mode of Nutrition in Plant  
Control and Coordination in Plant  
Sexual Reproduction in Flowering Plant  
Excretory system in Humans

## **Physics:**

Electromagnetism  
Simple Harmonic Motion  
Wave  
Sound Wave  
Heat & Thermodynamics  
Light  
Atomic and Nuclear Physics

Scientific Instruments.

Inventions

Floatation

Units & Dimensions

Current Electricity

Magnetism

Work, Energy, and Power

Surface Tension

Viscosity

Elasticity

Gravitation

Pressure

Motion

The kinetic theory of matter

Magnetic effect of electric current

## **Chemistry:**

Fertilizers

Concepts of PH scale

Metallurgy

Carbon and it's Compound

Fuels

Atomic Structure

Acids, Base, and Salts

Catalyst

Hydrocarbons

Chemical Bonding

Behavior of Gases

Metals and Non-metals

Chemical Reactions

Radioactivity