

Syllabus for the General Aptitude Test for the Ph.D. Programme 2010 (Session Spring 2011)

The General Aptitude Test for admission to the Ph.D. programme 2010 (Session Spring 2011) shall comprise of 50 questions to be answered in 45 minutes. The test will be conducted in on-line mode, and will be arranged at the Computer Laboratory of the Department of Computer Science & Engineering at Mesra, as per timings mentioned in the Ph.D. admission notification.

Questions will be of objective type with multiple choices out of which only one is correct. A candidate must select only the correct answer to score full marks. For each correct answer a candidate will earn 2 marks. There will be no negative marking. If a question has not been attempted no credit will be given. The questions will be distributed into various areas as follows and the detailed syllabus is given below:

Section	Subject	No of Questions
A	Quantitative Aptitude	20
B	Analytical Ability and Logical Reasoning	10
C	Test of English	10
D	General Awareness	10
	Total	50

Section A: Quantitative Aptitude (20 questions – objective type)

Number System, Percentage, Profit & Loss, Ratio, Proportion, Time, Speed & Distance, Interest and Average, Mensuration, Geometry, Algebra, Permutation, Combination and Probability. Data Interpretation, Bar Graphs, Tables, Calculations Based Table, Logic Based Table, Logic Based Caselet, Data Sufficiency and Analytical Reasoning, Basic statistical tools, standard deviation, correlation coefficient, regression, etc.

Section B: Analytical Ability and Logical Reasoning: (10 questions – objective type)

This section will test the logical reasoning and visio-spatial reasoning abilities of the candidate.

Section C: Test of English: (10 questions – objective type)

This section will test the basic understanding of the English language.

Section D: General Awareness: (10 questions – objective type)

This section will test the general awareness of the candidate and may include Current Affairs, Politics, History and Mythology, Philosophy, Fiction / Non Fiction, Art and Culture, Famous Personalities etc.