

## 8.2 C-CAT Syllabus

**Table 7a: Indicative syllabus of the different sections of test papers in C-CAT.**

TEST PAPER	TOPICS	DURATION
Section A	English, Quantitative Aptitude, Reasoning	1 hour
Section B	Computer Fundamentals, C Programming, Data Structures, Data Communication & Networking, Object Oriented Programming Concepts, Operating Systems	1 hour
Section C	Computer Architecture, Digital Electronics, Microprocessors	1 hour

The list of reference books for the various topics of C-CAT is given in Table 7b. Candidates are, however, advised to read more books than the ones specified in this table.

**Table 7b: Reference books for the various topics in C-CAT.**

SECTION	TOPIC	REFERENCE BOOK
A	English	Any High School Grammar Book (e.g. Wren & Martin)
	Quantitative Aptitude & Reasoning	Quantitative Aptitude Fully Solved (R. S. Aggrawal) Quantitative Aptitude (M Tyara) Barron's New GRE 2016
B	Computer Fundamentals	Foundations of Computing (Pradeep Sinha & Priti Sinha)
	Data Communication & Networking	Data Communication & Networking (Forouzan)
	C Programming	C Programming Language (Kernighan & Ritchie) Let Us C (Yashavant Kanetkar)
	Data Structures	Data Structures Through C in Depth (S. K. Srivastava)
	Operating Systems	Operating System Principles (Silberschatz, Galvin, Gagne)
	OOP Concepts	Test Your C ++ Skills (Yashavant Kanetkar)
C	Computer Architecture	Computer Organization & Architecture (William Stallings)
	Digital Electronics	Digital Design (Morris Mano) Digital Design: Principles & Practices (John Wakerly) Modern Digital Electronics (R. P. Jain)
	Microprocessors	Microprocessor Architecture, Programming & Applications with 8085 (Ramesh Gaonkar) The Intel Microprocessor (Barry Brey)