



آغا خان یونیورسٹی ایگزامینیشن بورڈ
AGA KHAN UNIVERSITY EXAMINATION BOARD

Teaching and Learning Resources for HSSC II Computer Studies

Recommended Key Textbook:

Sarwar, Gul Shahzad. *Computer Studies for grade XI and XII*.

Iqra Publishers, Karachi.

Additional Recommended Resource Material

Topic No	Topic	Reference Book	Topic in the Reference Book	Website
1.	Basics of Information Technology	<i>IGCSE Computer Science</i> by David Watson and Helen Williams <i>IGCSE Information and Communication Technology</i> Third Edition by Graham Brown and David Watson (South Asian Edition)	Chapter 4: Operating Systems and Computer Architecture Chapter 5: Input and Output devices Chapter 6: Memory and Data Storage Chapter 7: The System Life Cycle	https://oxvard.files.wordpress.com/2018/04/cambridge-igcse-computer-science.pdf https://ebin.pub/qdownload/cambridge-igcse-information-and-communication-technology-thirdnbsped-9781398318540-139831854x.html

Topic No	Topic	Reference Book	Topic in the Reference Book	Website
2.	Applications and Use of Computers	<i>IGCSE Information and Communication Technology</i> Third Edition by Graham Brown and David Watson (South Asian Edition)	Chapter 5: The effects of using IT Chapter 6: ICT Applications	https://ebin.pub/qdownload/cambridge-igcse-information-and-communication-technology-thirdnbsped-9781398318540-139831854x.html https://www.tutorialspoint.com/computer_concepts/computer_concepts_basic_applications_of_computer.htm http://generalnote.com/Basic-computer/Application-of-Computer.php
3.	Computer Hardware	<i>IGCSE Computer Science</i> by David Watson and Helen Williams	Chapter 4: Operating Systems and Computer Architecture	https://oxvard.files.wordpress.com/2018/04/cambridge-igcse-computer-science.pdf
4.	Security, Copyright and the Law	<i>IGCSE Computer Science</i> by David Watson and Helen Williams	Chapter 8: Security and Ethics Pakistan's Prevention of Electronic Crimes Act, 2016	https://oxvard.files.wordpress.com/2018/04/cambridge-igcse-computer-science.pdf https://na.gov.pk/uploads/documents/1470910659_707.pdf
5.	Use of Software	<i>IGCSE Information and Communication Technology</i> Third Edition by Graham Brown and David Watson (South Asian Edition)	Chapter 13: Layout Chapter 14: Styles Chapter 15: Proofing Chapter 16: Graphs and Charts Chapter 17: Document Production Chapter 19: Presentations Chapter 20: Spreadsheets	https://ebin.pub/qdownload/cambridge-igcse-information-and-communication-technology-thirdnbsped-9781398318540-139831854x.html

Topic No	Topic	Reference Book	Topic in the Reference Book	Website
6.	Basics of Database (MS Access 2007 or Above)	<p><i>IGCSE Information and Communication Technology</i> Third Edition by Graham Brown and David Watson (South Asian Edition)</p> <p><i>Computer Science for Grade 11</i> by Mohammad Sajjad Heder and Mohammad Khalid (National Book Foundation)</p>	<p>Chapter 18: Databases</p> <p>Chapter 7: Database Fundamentals Chapter 8: Database Development</p>	https://ebin.pub/qdownload/cambridge-igcse-information-and-communication-technology-thirdnbsped-9781398318540-139831854x.html
7.	Advance Database (MS Access 2007 or Above)	<p><i>IGCSE Information and Communication Technology</i> Third Edition by Graham Brown and David Watson (South Asian Edition)</p> <p><i>Computer Science for Grade 11</i> by Mohammad Sajjad Heder and Mohammad Khalid (National Book Foundation)</p>	<p>Chapter 18: Databases</p> <p>Chapter 7: Database Fundamentals Chapter 8: Database Development</p>	https://ebin.pub/qdownload/cambridge-igcse-information-and-communication-technology-thirdnbsped-9781398318540-139831854x.html
8.	Algorithm and Flowchart	<i>IGCSE Computer Science</i> by David Watson and Helen Williams	<p>Chapter 9: Problem-Solving and Design</p> <p>Chapter 10: Pseudocodes and Flowcharts</p>	https://oxvard.files.wordpress.com/2018/04/cambridge-igcse-computer-science.pdf

Topic No	Topic	Reference Book	Topic in the Reference Book	Website
9.	Introduction to C Language	<i>Let Us C</i> by Yashwant Kanetkar	Chapter 1: Getting Started	https://bcebakhtiyarpur.org/wp-content/uploads/2020/03/file_5e747d69ab58e.pdf
10.	Creating C Program	<i>Let Us C</i> by Yashwant Kanetkar	Chapter 1: Getting Started	https://bcebakhtiyarpur.org/wp-content/uploads/2020/03/file_5e747d69ab58e.pdf
11.	Fundamentals of C Language	<i>Let Us C</i> by Yashwant Kanetkar	Chapter 1: Getting Started Chapter 6: Data types Revisited Chapter 7: The C Preprocessor	https://bcebakhtiyarpur.org/wp-content/uploads/2020/03/file_5e747d69ab58e.pdf
12.	Control Statements	<i>Let Us C</i> by Yashwant Kanetkar	Chapter 2: The Decision Control Structure Chapter 3: The Loop Control Structure Chapter 4: The Case Control Structure	https://bcebakhtiyarpur.org/wp-content/uploads/2020/03/file_5e747d69ab58e.pdf
13.	Functions	<i>Let Us C</i> by Yashwant Kanetkar	Chapter 5: Functions	https://bcebakhtiyarpur.org/wp-content/uploads/2020/03/file_5e747d69ab58e.pdf

Note: This resource list has been prepared primarily for teachers. While it can be shared with students, students should not be required to buy multiple books. Schools are encouraged to stock these books in the library. Moreover, these are only suggestions which have been compiled for the ease of teachers and students; schools are encouraged to use other resources for teaching and learning as well, as long as they are in line with the student learning outcomes (SLOs) mentioned in AKU-EB syllabi. Unless specified, AKU-EB does not endorse any of these books or websites. You are advised to use an ad-blocker while accessing the websites. In case any website is not functional for any reason, you may inform us at examination.board@aku.edu for an alternative or search material via any search engine. If you have any query, please contact us via email.