

FEDERAL BOARD OF INTERMEDIATE AND SECONDARY EDUCATION
H-8/4, ISLAMABAD

NO.0-9/FBISE/RES/CC/HSSC/725

5 April 2017

NOTIFICATION

It is notified for information of all concerned that revised curriculum 2009 in the subject of Computer Science at HSSC level shall stand implemented w.e.f. the academic session 2017-2019. Accordingly, the students to be admitted in class-XI in August 2017 shall be examined in accordance with the revised curriculum in HSSC Part-I examination to be held in the year 2018.

2. The book of Computer Science for Class-XI to be published by National Book Foundation, Islamabad is hereby prescribed as textbook.

3. Contents of syllabus in the said subject for class XI are enclosed herewith and also being uploaded on the FBISE's website www.fbise.edu.pk for the benefit of all stakeholders. Model question paper will be notified shortly.



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All heads of institutions affiliated
with FBISE at HSSC level

Copy to:

1. Director General, Federal Directorate of Education, G-9/4, Islamabad
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7. Director Education, OPF Head Office, F-5, Islamabad
8. Secretary, National Book Foundation, Islamabad
9. All GSO-I
10. Incharge, Website FBISE, Islamabad
11. Incharge, FBISE Sub-Office, Gilgit
12. All Sectional Heads of FBISE, Islamabad
13. Chat Room, FBISE, Islamabad

CONTENTS OF COMPUTER SCIENCE SYLLABUS

For Class-XI

- 1. OVERVIEW OF COMPUTER SYSTEM**
 - 1.1 Introduction to Computer
 - 1.2 Computer Software
 - 1.3 Computer Hardware

- 2. COMPUTER MEMORY**
 - 2.1 Introduction
 - 2.2 Main Memory
 - 2.3 Secondary Memory

- 3. CENTRAL PROCESSING UNIT**
 - 3.1 Inside CPU
 - 3.2 CPU Operations

- 4. INSIDE SYSTEM UNIT**
 - 4.1 Computer Casing/System Unit
 - 4.2 Ports and Slots on the Motherboard

- 5. NETWORK COMMUNICATION AND PROTOCOLS**
 - 5.1 Introduction
 - 5.2 Data Communication standards
 - 5.3 TCP/IP

- 6. WIRELESS COMMUNICATIONS**
 - 6.1 Introduction
 - 6.2 Short Distance Wireless Communications
 - 6.3 Long Distance Wireless Communication
 - 6.4 Mobile Device communication

- 7. DATABASE FUNDAMENTALS**
 - 7.1 Introduction
 - 7.2 Basic Database Terminologies
 - 7.3 Planning a Database
 - 7.4 Data Modeling and Entity Relationship Diagram
 - 7.5 Relational Schema

- 8. DATABASE DEVELOPMENT**
 - 8.1 Introduction
 - 8.2 Working with Tables
 - 8.3 Working with Forms
 - 8.4 Working with queries and commands
 - 8.5 Generating Reports