

Pakistan School, Kingdom of Bahrain

Syllabus Break Down for the Session(2016-17)

Class : HSSC-II

Subject : Computer Science

Third Term

Week	Day/Date	Portion to be covered	Home Work
1st	Monday 26-12-16	Ch- 1 Data Basics: Data, information, Data processing, File, File types from usage point of view	Importance of database management system
	Tuesday 27-12-16		
	Wednesday 28-12-16	File types from functional point of view, organize files on storage media, File processing system	
	Thursday 29-12-16	Database system, components of database, objectives of database, Database models	
		DBMS, features of DBMS, advantages and disadvantages of DBMS	
2nd	Sunday 01-01-17	Ch-2 Basic concept and Terminology of Databases: File management System, Formaing a Tabela/relation	Practice on CREATE VIEW command of SQL
	Monday 02-01-17		
	Tuesday 03-01-17	Creating Views , Activities	
	Wednesday 04-01-17	Types of Keys , Activities	
	Thursday 05-01-17	Concept of End User, Database Admin, Data Admin, Data manipulation in DBMS	
		Test , Practical	
3rd	Sunday 08-01-17	Ch-3 Database Design Process: Analysis, Data modeling, ingredients of data modeling	Make practices of ER diagrams
	Monday 09-01-17		
	Tuesday 10-01-17	Entities, Object, Attribute, relationship, Activities	
	Wednesday 11-01-17	Cardinality, modality, types of relationships ,Activities	
	Thursday 12-01-17	ER diagram, Example of ER diagram, Activities, Practical	
		Data base design ,Components of logical model, Physical database design components	
4th	Sunday 15-01-17	Database strategies, File organization	Make practices of normalization by taking different DBMSs
	Monday 16-01-17		
	Tuesday 17-01-17	Test	
	Wednesday 18-01-17	Ch-4 Data Integrity and Normalization: data integrity and its types, Achieving Integrity	
	Thursday 19-01-17	Normalization, Functional dependency,1NF, Database Anomalies, Activities	
		Partial Dependency, 2 NF, Transitive dependency,3NF, Activities , Practical	
	Sunday 22-01-17	Test	

5th	Monday	Ch-5 Introduction to Microsoft Access Advantages of MS Access, IDE of MS Access	Make practices on IDE of MS Access & use of different objects
	23-01-17		
	Tuesday	Creating new data base by Database wizard, Different parts of Application window in MS Access	
	24-01-17		
	Wednesday	Database objects in MS Access, Practical	
	25-01-17		
	Thursday	Advantages and disadvantages of Form and Report, Practical	
26-01-17			
6th	Sunday	Ch-6 Table & Query: Characteristics of table, Different methods of creating table, Field Name, Data type and Description properties	Make practices on Design tables and Relationships in MS Access
	29-01-17		
	Monday	Different Types of Formats, input masks applied on fields, Apply primary key, Methods of creating and Modifying a Table	
	30-01-17		
	Tuesday	Procedure of defining Relationships , sorting records in MS Access, Practical	
	31-01-17		
	Wednesday	Filter and its types, Procedure to apply filter, Queries: Advantages, different types of queries, Creating query, specifying criteria in query	
Thursday	Join, its purpose, difference between relationship and join, Use of query wizard, different types of calculations in a query , Practical		
02-02-17			
7th	Sunday	CH-7 Forms and Reports: Advantages of Form, its different types, Creating Forms in using wizard and Design view, Editing forms in MS Access	Make practices on Design Forms and Reports
	05-02-17		
	Monday	Procedure of adding different objects to a form, sub-form, Different methods of creating sub- forms	
	06-02-17		
	Tuesday	What is report, Types of reports, Difference between form and report, Creating a Report in Design View and by Wizard	
	07-02-17		
	Wednesday	Creating switch board, Practical	
Thursday	Final Project of Database developed in MS Access Data		
09-02-17	Base Design Process: Planning		
8th	Sunday	Final Project of Database developed in MS Access Data	Working on Final Project Planning & Design Phase
	12-02-17	Base Design Process: Analysis	
	Monday	Final Project of Database developed in MS Access Data	
	13-02-17	Base Design Process: Logical Database Design	
	Tuesday	Final Project of Database developed in MS Access Data	
	14-02-17	Base Design Process: Tables and their fields	
	Wednesday	Final Project of Database developed in MS Access	
15-02-17	Physical Database Design (Tables) Continue...		
Thursday	Final Project of Database developed in MS Access		
16-02-17	Physical Database Design process (Relationships)		
	Sunday	Final Project of Database developed in MS Access	
	19-02-17	Physical Database Design process (Queries)	
	Monday	Presentation (Student's Project)	
20-02-17			

9th	Tuesday	Final Project of Database developed in MS Access	Development of Final Project
	21-02-17	Physical Database Design process (Forms)	
	Wednesday	Final Project of Database developed in MS Access	
	22-02-17	Physical Database Design process (Forms) Continue..	
	Thursday	Final Project of Database developed in MS Access	
	23-02-17	Physical Database Design process (Reports)	
	Sunday	Final Project of Database developed in MS Access	
	26-02-17	Implementation	