

**SARDAR KAUREY KHAN HIGHTER SECONDARY SCHOOL**  
**MUZAFFAR GARH**

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**Computer (Objective)**

**Ch. # [1-4]**

**Class : 2<sup>nd</sup> year (ICS)**

**Q. No. 1 Each question has four possible answers. Select the correct answer and Tick (✓) it. (15)**

1. The file name and extension is separated by:  
(a) :                      (b) :                      (c) period                      (d) None of these
2. Which of the following is also known as data set ?  
(a) Record                      (b) field                      (c) file                      (d) All
3. A database is organized collection of of .....related data.  
(a) logically                      (b) physically                      (c) loosly                      (d) badely
4. SQL stands for :  
(a) Structured query language                      (b) Simple query language  
(c) Simple query light                      (d) Simple Queue language
5. A logical grouping of characters is a :  
(a) Field                      (b) record                      (c) file                      (d) All
6. An index may be created on :  
(a) Primary key                      (b) secondary key                      (c) foreign key                      (d) All
7. Which of the following is not an entity ?  
(a) chair                      (b) teacher                      (c) manager                      (d) none
8. SQL stands for :  
(a) Structured query language                      (b) Simple query language  
(c) Simple query light                      (d) Simple Queue language
9. Which of the following key is known control key ?  
(a) Sort key                      (b) primary key                      (c) candidate key                      (d) none
10. A relation is also known as :  
(a) Table                      (b) field                      (c) record                      (d) row
11. An attribute is also known as :  
(a) table                      (b) relation                      (c) row                      (d) field
12. A key that is used strictly for data retrieval process:  
(a) Secondary key                      (b) candidate key                      (c) composite key                      (d) primary key
13. The relation can be :  
(a) One to One                      (b) One to many                      (c) Many to many                      (d) All
14. In ER-diagram , rectangle represents :  
(b) Entity                      (b) attributes                      (c) relationship                      (d) character
- 15- Every relation must have :  
(a) Primary key                      (b) Secondary key                      (c) Foreign key                      (d) None

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**Computer (Subjective)**

**Ch. # [1-4]**

**Class : 2<sup>nd</sup> year (ICS)**

**Q.No. 2 Write short answers to any the following questions.**

**(18 x 2 = 36)**

- |   |   |
|---|---|
| 1- State the purpose of Sort key.                                   | 2- Define Secondary key.                      |
| 3- Who is Database Administrator ?                                  | 4- List the names of four computer personals. |
| 5- State the purpose of using view.                                 | 6- Define relation.                           |
| 7- State the purpose of analysis.                                   | 8- Describe database integrity.               |
| 9- Write the names of symbols that are used in E-R Diagram.         |   |
| 10- What is physical database design ?                              | 11- Compare Data and information.             |
| 12- What is 3 NF ?  | 13- What is Data integrity ?                  |
| 14-Define Synonym .   | 15- Define Homonym.                           |
| 16- Write the names of three typical problems in merging relations. |   |
| 17- Define referential integrity .                                  |   |
| 18- Describe mutual exclusiveness of Data .                         |   |

**Q.3** What is key ? Explain its types in detail. [8]

**Q.4** What is data modeling? Explain in detail. [8]

**Q.5** Define and explain ER diagram in detail. [8]