OBJECTIVES (MCQ'S) OF CHAPTER-1 IN ALL PUNJAB BOARDS 2011-2021

1. A collection of raw facts and figures is called:	
(A) data (B) information (C)	(3 Times)
2. Which of the following may be a temporary file? (A) master file (B) transaction (C) processing (A) master file (B) transaction (B) transac	(D)object
(A) master file (B) transpart (B)	(2 Times)
3 SOI stands sould disaction file (C) backup file	(D) none: (mes)
(A) structure query language (C) self query language (D) seek query language (A) A database consists of various components called:	(1) obj. (4 Times)
(C) self query language (B) sort query langu	age (2 Times)
4. A database consists (D) seek query langu	uage "Otto
4. A database consists of various components called: (A) properties (B) tool	(4 Times)
(C) object to the language of the control of the co	(D) entities
which one of the following type of file requires largest	processing time?
(A) properties (B) tool (C) object (A) Segmential file (D)	/3 Times
(A) sequential file (B)Random file (C) in a land is	(3 Times)
6. Which represent a collection of concepts that are used to structure of a database?	D) Direct Access file
structure of a database?	describe the
(A) data ware house (B) database model (C) described	(2 Times)
7. A relation that contains minimal redundancy and allow e	(D) data type
structure et a database? Tradition l'edution le allow e	asy use is called:
(A) clean varieties (B) records a model (C) field structure 8. Each set of related items in a table is called: cy and allow a (A) Table (B) Record	(2 Times)
8. Each set of related items in a table is collected and allowed	(D) well structured
(A) Table (B) Record (C)field	day use .s (zireo:
9 The manipulated and processed 1.	(D) query Tres
(A) OUICUE OF A CIRCULATO	(1) well structured
10. Which of the following data model is more flexible:	(D) information .
(A) NETWORK model (B) Hierarchical model is more flexible:	(D) 90 (2/Times)
(A) NETWORK model (B) Hierarchical model (C) Relational model 11. Data that causes inconsistency lacks:	(D) Object data model
A) Good data (12) Data late and (2)	(2 Times)
(A) Good data (B) Data Integrity (C) Data redundancy 12. Which of the following is not a database object? (A) table (B) query (C) form	(D) Data anomaly
(A) tables of the following is not a database object? at moco.	(0) Object data model
(A) table a hat call (B) query hency had (C) form	(D) MS(Worder)
13. Manipulation of data to achieve the required objectives a	ind results is called:
(A) Data processing (b) Operation	(D) None (D) MS and
14. Storage and retrieval of data is related to orm	(D) MS Taid:
(A) Data capturing (B) Data Manipulation(C) Managing output	it result (1) Wone
101 - Garage Cords in a file have the same 111 a 400 b	1111 140
(A) Contents and terr(B) Structure is relate (C) Both a and b	(D) None
101 3 2 F 12 3(U): 2 (E) many manifement of the managing of the	A CSLILL RIT POLICE
(A) Unstructured language ave the same: (B) Structural language	96
(G) Object oriented language ucture (D) Softwared b	(D) Norie
17: The type of files from functional point of view include:	(3 Times)
(A) Program files (B) Data files (C) a and Burn language	(D) None
18. Ob Which of the following is handled by DBMS? ware	
(A) Data integrity (B) Data security (C) Data independence	e (D) All
19. ProDatabase application contains procedure for: 13.	(D) None
(A) Adding records (B) Deleting records (C) Processing queries	s (D) All
20. Which of the following database model is often referred	to as an inverted Tree?
(A) Hierarchicals app (B) Network proc (C) Relational	(D)object-oriented
	s (D) All
20. Which of the following databas 2017 ben referred	to as an inverted tree?
(A) Linear Vision (D) Materials	Transfect oriented
21. A set of related records that represent a unit or data is	(2 times)
(d) file (b) record (C), fielding	(d) database
22. The column of table corresponds to:	(1 times)
(d) table to a relate (h) record	(d) cetts)
43. MeA logical grouning of characters is a:	(3 times)
(d) fielding column of hi record coponids to (c) file	(d) dDarmhas.
Station MC Accord save the database with the extension.	(a)tir
Milianianianianianianianianianianianianiani	
43. The North and the of the o	Alemant -
Characteries sav(b) in File tabuse with ti(c) el Recorda.	(d) to all a e
	· · · · · · · · · · · · · · · · · · ·

2018 Duplicate data in multiple data files is called: 26. (c) program dependency (d) data redundancy (b) data consistency (a) data integrity Each separate piece of information stored in a record is called: 27. (c) table (d) relation (b) field (a) form Which file is used to store information that remains constant for a long time: 28. (c) transaction file (d) backup file (b) master file (a) data file A set of related files created and managed by a (DMBS) is called: 29. (d) Module (b) Record (c) Database (a) Field Multiple copies of the same data is referred to as: 30. (b) data inconsistency (c) data redundancy (d) data isolation (a) data integrity 2019 Which of the following is also known as data set: 31. (c) file to module (d) module (b) field (a) a type of file that contains data is called: 32. (c) image file (d) Query file data files (b)Program file ANSWERS (a)

ANSWERS										
1	7	3	4	5	6	7	8	9 .	10	11
Δ	B	- A		Δ	B .	D	В	D -	С	В
12	12	1/1	15	16	17	18	19	20	21	22
-12	-13		B	B	. C	D	D	Α	Α	C
22	24	25	26	27	28	29	30	31	32	

SHORT QUESTIONS OF CHAPTER-1 **IN ALL PUNJAB BOARDS 2011-2021**

What is meant by Transaction File? A type of file that is used to store input data before processing is called transaction file. It may be temporary file and may exist until the master file is updated. It may Ans: also be used to maintain a permanent record of the data about a transaction. (2 Times)

What is meant by Data Independence?

Data independence means that data and application programs are separate from each 2. other. The user can change data storage structures and operations without changing Ans: the application programs and can also modify programs without reorganization of data. The user can also modify programs without reorganization of data.

What do you mean by Data Integrity? (4 Times) 3.

Data integrity means the correctness and consistency of data. It is another form of database protection. Integrity is related to quality of data. It is maintained with Ans: the help of integrity constraints. (2 Times)

What is meant by Database? A database is a collection of logically related data sets or files. Each file may contain different type of information and are used for specific purposes. The files may be organized in different ways to meet different processing and retrieva

requirements of the users.

Differentiate between Data and Information. Data is a set of raw facts and figures information is the processed form of data 5. . Data is used as input in the computer and information is the output of the Ans: computer. Data is meaningless and information is meaningful.

Data → processing → information

What is data processing? The process of manipulating data to achieve the required objectives and results i Ans: called data processing. The software (program) is used to process rave data. The software converts raw data into meaningful information.

(2 Times) Enlist different types of database models.

The different types of database models are as follow: Ans: iii. Relational model ii. Network model i. Hierarchical model

What is the concept of Consistency constraints? (2 Times) 8.

Consistency means accuracy of data. Constraints are rules or requirements that Ans: implements in database management system. Consistency constraints are the rules that must be followed to enter data in the database. If a data does not fulfill these constraints, it cannot enters to the database.

What is file?

A collection of related records treated as single unit is called a file. Files are stored Ans: in secondary storage devices like disk, CD-ROM or DVD ROM. A student file may obtain the records of thousands of students. Earth student record consists of same field but each field have different data.

10. Write two advantages of DBMS. Ans: Some advantages of DBMS are:

i. Data independence:

DBMS provides the facility of data independence. It means that the data and application programs are separate from each other. The user can change data storage structures and operations without changing the application programs. The user can also modify programs without reorganization of data.

ii. Data security:

DBMS provides the data security. It is the protection of the database from unauthorized access. DBMS provides several procedures to maintain the data security.

11. Define the term redundancy.

Redundancy is a system design in which a component is duplicated so if it fails Ans: there will be a backup. It has a negative can notation when the duplication is unnecessary or is simply the result of poor planning.

12. What is Backup file?

A type of file that is used to take backup important data is called backup file. If Ans: data is lost it can be recovered from backup file. Special programs are used to create, and use backup files.

Name different types of file organization. 13.

Types of file organization are as follows: Ans:

Sequential file organization. i)

Heap file organization. ii)

Hash file organization. iii)

B+ file organization. iv)

Indexed sequential access method (ISAM). V)

Cluster file organization. vi)

(3 Times) State the use of query language. 14.

SQL (Structure Query Language) is used for creating table structures, entering Ans: data into them and retrieving/updating the selected records, based on the particular criteria and format indicated, within the databases. (2 Times)

State the use of index in FMS. 15.

Ans: Index are used to maintain the data in order. The order can be ascending or descending. Index is a value in fact which is known as key value. On the basis of that key value, order of data is maintained. On the basis of that index, data is retrieved and inserted.

Why File Organization is important in a database Design? Give two reasons. (2 Times) 16.

What do you mean by File organization? OR

The technique for physically arranging the data on secondary storage like hard disk Ans: etc is called file organization. It is necessary because it tells the order in which data will be maintained on disk and how it will be represented when it is inserted and retrieved. If a good file organization will be used then data access and insert process will be fast.

Define program file. 17.

A type of file that contains software instructions is called program file. The source program files and executable files are the examples of program files.

2017

18. List file types.

Program file Ans:

ii) Data file

that remains constant for a long period of time. These files are never empty since they are created. These files are updated when any change in their contents is required.	before processing. It may be temporary file and may exist until the master file is updated. Data riconsistency
list any two problems in traditional file a	ipproach.
i. Data redundancy ii.	Data inconsistency at manipular on it
Define data manipulation	
The process of applying different operation	ons on data is called data manipulation. It
includes the following operations:	 A higher level ned its care a parent and
a. Classifying b. calculation	. c. sorting . a. summarizing
Describe network model.	yan't randin network
Each record in this model is called a node	. A higher level node is called parent and
	that remains constant for a long period of time. These files are never empty since they are created. These files are updated when any change in their contents is required.

nodes. The child nodes are represented by arrows in this network.

lower level node is called child. The child node can have more than one parent