| QUESTION NO.: 1                         |               |
|---|---------------|
| 1). Data cleaning is defined as removal | of noisy and  |
| irrelavant data from Collection. As a   | Part of this  |
| frocess noisy, redundant data is        | removed so    |
| accuracy of data increases. Missin      | na values and |
| also filled.                            |               |
| The fact of stime of Philades of the    |               |
| 2). Data Integration: It is defined as  | Coulhining    |
| Heterogeneous data from multiple.       | Sources       |
| Data Integration is done by ETL C       | Extract -     |
| Load - transformation).                 | Greison ;     |
|   |               |
| 3). Data Selection: This Process is de- | fine 1 = 1    |
| process where data which are only       | alay us       |
| analysis is decided and retrieved       | form the      |
| data Source.                            | 10111 4100    |
|   |               |
| 4). Data Transformation: - Data trans   | Formation     |
| defined as process of transformi        | n 9           |
| into appropriate form required by a     | Mining        |
| Process. Techniques here used are       | O.S.          |
| reduction, feature delection.           | 2 Olmension   |
|   |               |
| 5). Data Mining: - In this Step dieffer |               |
| are applied to extract Potential P      | atternal and  |

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|------------|--------------|----------|-------|--------|--------|--------|-------|-------------------|-------|
| Furth      | ner el       | assifica | tion  | and    | chara  | cteriz | ation | can b             | e_    |
| done       | • •          | ì        |       | *. ¥   |        |        | ,     | ,                 |       |
|            |              |          |       |        |        |        |       | 1                 |       |
| 6)- +      | Pattern      | evalu    | ation | and    | know   | oledge | refre | Sen tat           | ion!- |
|            |              | define   |       |        |        |        |       |                   |       |
| +          | Pattern      | s repr   | esent | ing    | Know   | ledge  | based | on_               |       |
| Č          | firen        | measur   | res.  |        |        | , ,    |       | 3                 | ¥1    |
| 3          | Further      | l eacti  | acted | Pat    | terns  | and    | Know  | edge              |       |
|            | nforma       | ation    | are   | refre, | Senteo | d in   | diffe | erent             |       |
|            | forms        | like     | Bar   | chara  | 13, 9  | raphs, | table | s et              | 3.    |
|            |              |          |       |        |        |        |       |                   |       |
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|            |              |          |       |        |        | -      |       |                   |       |
|            |              |          |       |        | 1      |        |       | - 1               |       |
| Sterring . |              |          |       | *      |        |        |       |                   |       |

| QUESTION NO.: 2                                   |
|---|
| Durability: - It States that once any transaction |
| Completed it should be rejord these changes on    |
| Persistent Storage, Even After any Hardware or    |
| Software failures these changes should            |
| Persist.  |
|   |
| Inshort all of these properties of transaction    |
| in dbms ensures correctness of System.            |
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| QUESTION NO.: 3.   |
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| Object oriented programming is programming Paradigm.  Java tried to follow oop Paradigm. It provides |
| many oop concepts like Encapsulation,  |
| Abstraction, poly morphism, Inheritance.   |
| Encapsulation: - In Encapsulation data-Attribute   |
| and methods related to single object are kept together (Encapsulated).                               |
| By Using classes in Java we can Achieve<br>Encapsulation.  |
|  |
| Abstraction: - Abstraction is way to hide the internal complexity of process from users.             |
| for example making a phone call we don't<br>know how internally it works we just know                |
| how to make a call.  |
| Inheritance: Inheritances allows to use existing   |
| features of other class to be rested it in dnother class the dass from which we derive               |
| is called Super or Base class, the derived class   |
| is also called as child class. Java does not<br>allows multiple Inheritances.                        |
| allows manifeld the factor   |

| QUESTION NO.: 3  |
|--|
| Polymorphism!  |
|  |
| Polymorphism means one thing in many form.   |
| or different behaviour. There three types (ways)   |
| to achieve these,  |
| - operator overloading   |
| - method overloading,  |
| - method overriding  |
| - Java does not allowed operator overloading   |
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| QUESTION NO.: 4                                |                |                     |
|--|----------------|---------------------|
| There are four                                 | types of de    | itabase languages.  |
| - Data Pefinati                                | ion langua     | ge, CDOL),          |
| - Dara Manipul                                 | ation long was | e CDML)             |
| - Data Control                                 | danguae c      | OCL),               |
| - Transaction c                                | entre Langu    | age GTU).           |
|  |                |                     |
| DDI: - It is us                                | sed to defin   | e the Structure     |
| of durabase by                                 | Specifying +   | he Schema. It       |
| provides facility                              | to define      | Schema and creation |
| of tables, Indexe                              | 8.             |                     |
| If also Atlass +                               | a Alter the    | table details like  |
| changing the co                                | lumn name.     |                     |
| Commands: - CRE                                | ATE, ALTER,    | DROP, RENAME.       |
|  |                |                     |
| DML: - It provid                               | es features    | to insert the data  |
| in columns. Also                               |                |                     |
| and retreving of                               |                |                     |
| basis commands                                 |                |                     |
| SELECT, INSERT                                 |                |                     |
| - Stelly - Stell                               |                |                     |
| ACL:= It Contre                                | ols the acc    | ess level of darg   |
|  |                | terbade. It Simply  |
| provides the of                                |                |                     |
| database Syst                                  |                |                     |
| _ CI CA TO |                |                     |

| QUESTION NO.: A                |         |
|--------------------------------|---------|
| Simple commands: - GRANT, R    | EVOKE.  |
| 4). Transaction Control Lang   | guage:- |
| It tries to maintain the       |         |
| transaction. It is very import |         |
| ACID properties.               |         |
| Commands: - commit, Poll       |         |
|                                |         |
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| QUESTION NO.: 5                       |
|---------------------------------------|
| Kernel is central component of        |
| operating system that manages         |
| operations of computer and hardware.  |
| It basically manages operations of    |
| memory and CPV time. It is core       |
| Component of coperating system Kernel |
| acts as bridge between application    |
| and data processing performed at      |
| handware Ordel using inter-process    |
| Communication and system calls        |
| Kennel boads first into memory        |
| when operating system is loaded       |
| and remains into memory until         |
| operating system is shut down         |
| Opening saystern                      |
| CGOUN =                               |
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