SNS COLLEGE OF ENGINEERING
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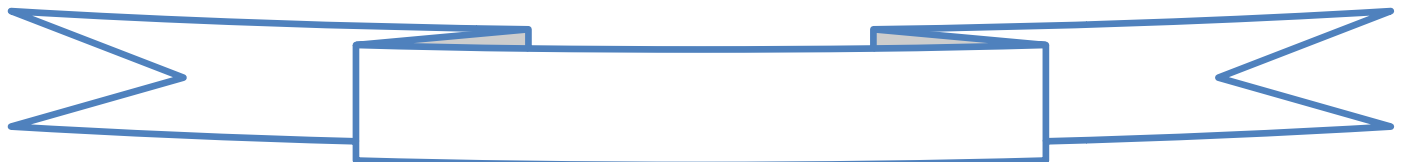www.snsgroups.com
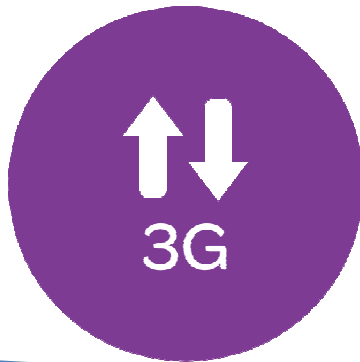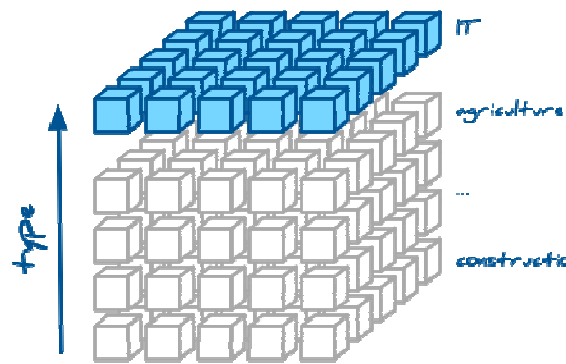
WORKBOOK

UNIT II

TOPIC 1: REPORTING AND QUERY TOOLS AND ITS APPLICATIONS

1. **Find the categories of Reporting tools defined in the picture.**

and

WEB DESIGN VS DEVELOPMENT

type

IT

agriculture

...

construction

3G

Executive COACHING

2. ill the blanks correctly.

_____allows to generate regular operational reports.

_____inexpensive desktop tools designed for End users.

3. Choose the best answer.

• Managed Query tool shields end users from the complexities of SQL and Data base structures by inserting a _____ between Users and the Data base.

(a) Metadata layer
(b) Meta layer
(c) Data Layer
(d) Access Layer

TOPIC 2: TOOL CATEGORIES

1. _____ is a type of management information system intended to facilitate and support the information and decision making needs of senior executives by providing easy access to both internal and external information to meet strategic goals of organization.

(a)

(b)

2. Mention the categories of Data Mining Tools.
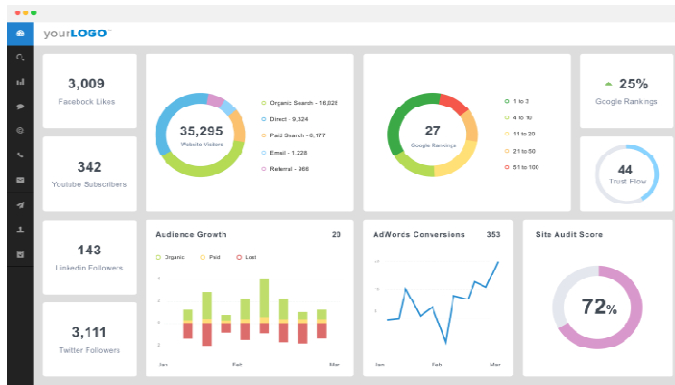
3. Expand the following.

- **MDA**

- **OLAP**

- **BPM**

- **EIS**

TOPIC 3: THE NEED FOR APPLICATIONS

1. **Mention the advantages of Managed Query and EIS**

_____

_____

_____

2. **List the disadvantage of Managed Query and EIS**

3. **Fill the various forms of data access form data warehouse.**
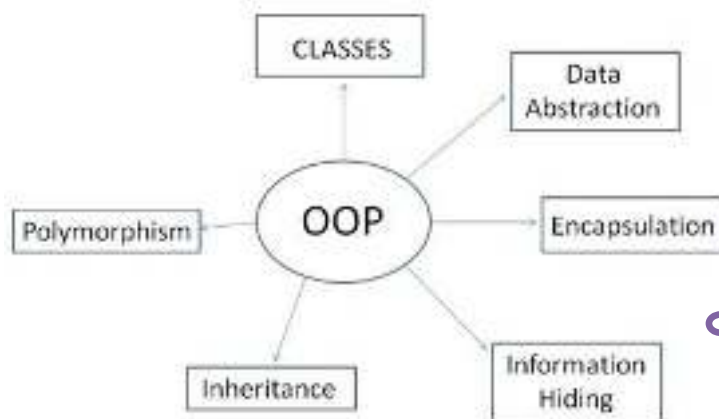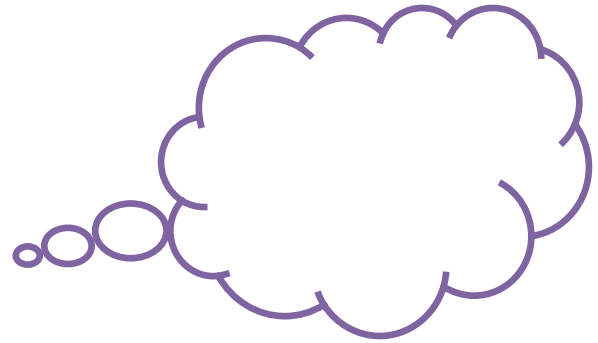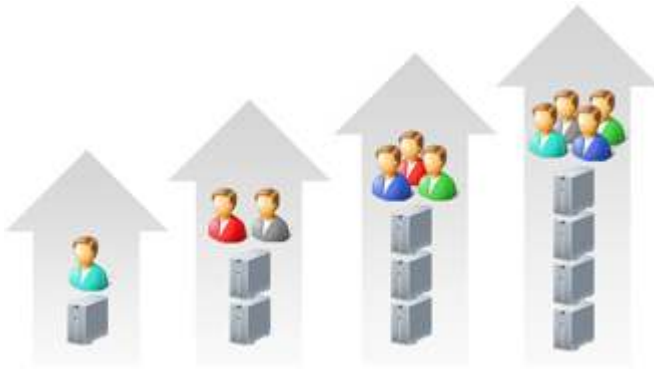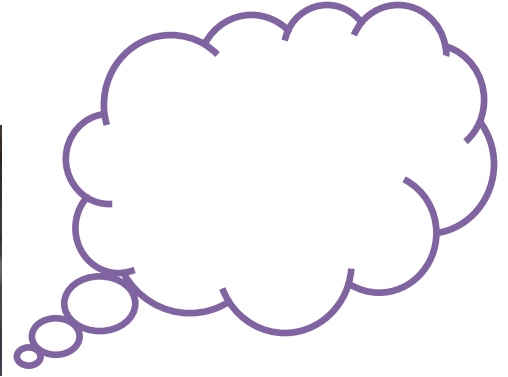
tabular

multivariable

Time

User-specified

- **Simple _____ form reporting**
- **Ad hoc _____ queries**
- **Predefined repeatable _____**
- **Complex _____ with multitable joins, multilevel subqueries**
- **_____ analysis**
- **_____series analysis**
- **Data visualization, graphing, charting**

Queries

# TOPIC 4: COGNOS IMPROMPTU

1. **Mention the features of Cognos Impromptu**
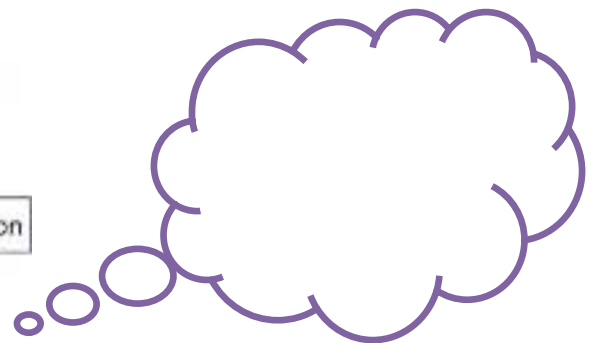
2. Choose the best option.

(i) Cognos Impromptu reporting begins with

      (a) Information Catalog

      (b) Data Catalog

      (c) Headstarts

      (d) templates

(ii) Is templates are database-independent.

      (a) True

      (b) False

(iii) Variety of page and screen formats will be under

      (a) Headstarts

      (b) Templates

3. List the types of Exception reporting in Cognos Impromptu
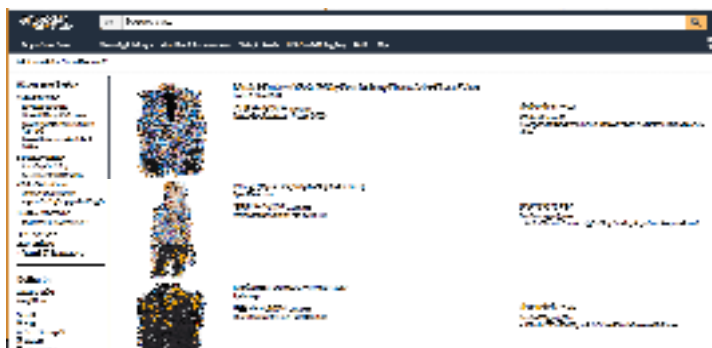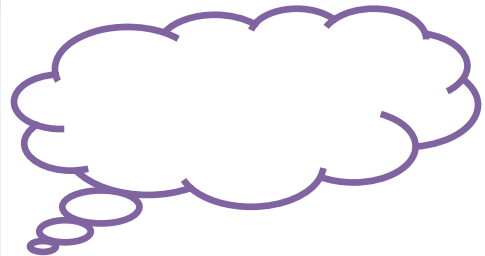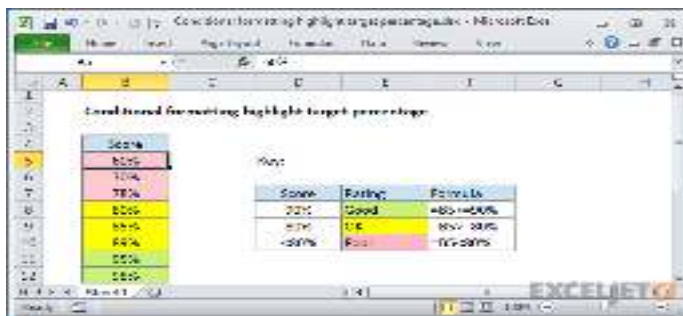
TOPIC 5: OLAP-NEEDS AND MULTIDIMENSIONAL DATA MODEL

1. **To solve business problems nowadays, two-dimensional data models is enough not. If, not, which data model is needed. Draw the necessary diagram.**

2. **Two-dimensional relational model involves table scan, multiple joins, aggregations, sorting. In-order to compute those, this requires _____computing resources.**
   (a) More
   (b) Less
   (c) No change

3. **Two-dimensional data model has two drawbacks. List it.**

TOPIC 6: OLAP GUIDELINES

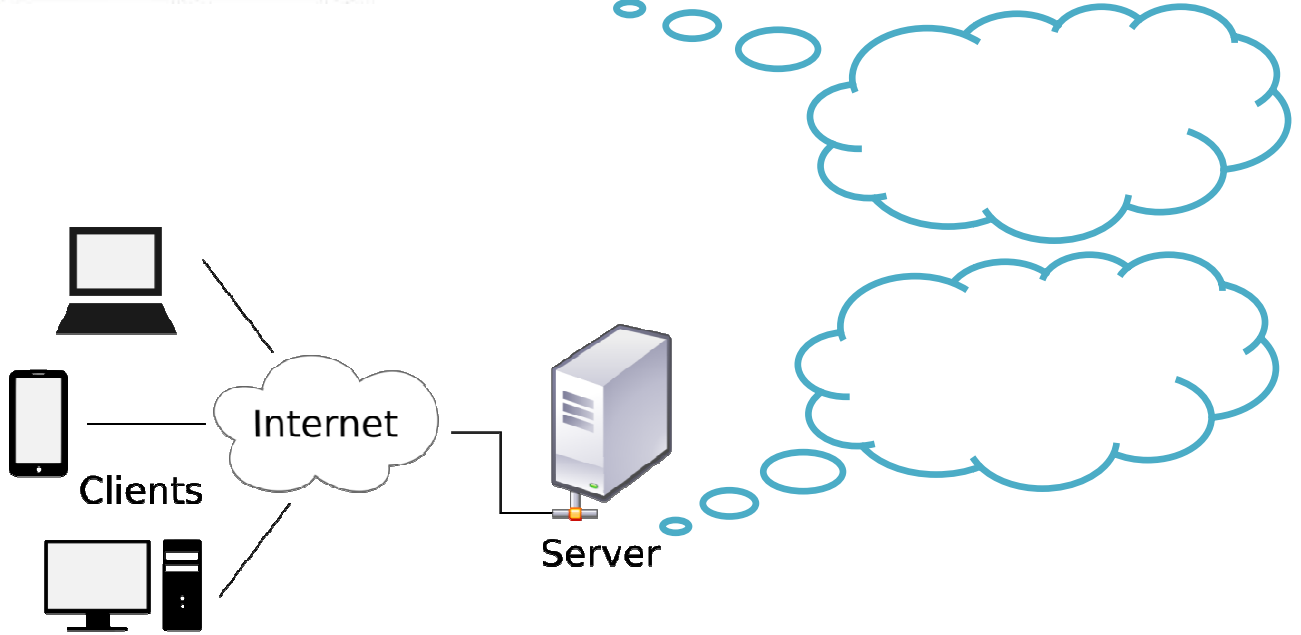1. Few guidelines are mentioned as picture. Find it out

conceptual

2. Assemble the scraped words to find one of the guidelines of OLAP.

G	R	E	I	C	E	N

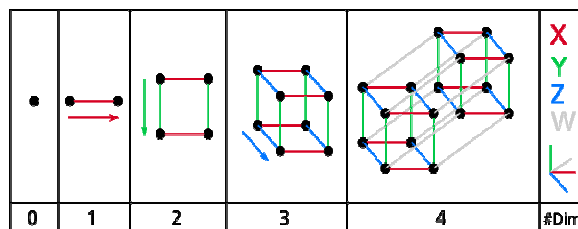| D	M	I	S	O	T	Y	L	I	E	N	A	N	I

3. Write any 3 guidelines that are not mentioned in the question 1 & 2.
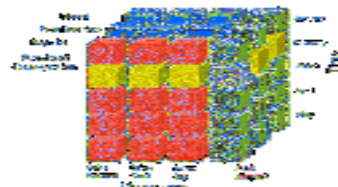
TOPIC 7: MULTIDIMENSIONAL VERSUS MULTI-RELATIONAL OLAP

1. **To reduce the size of database, the three things to be noted are,**

{ }

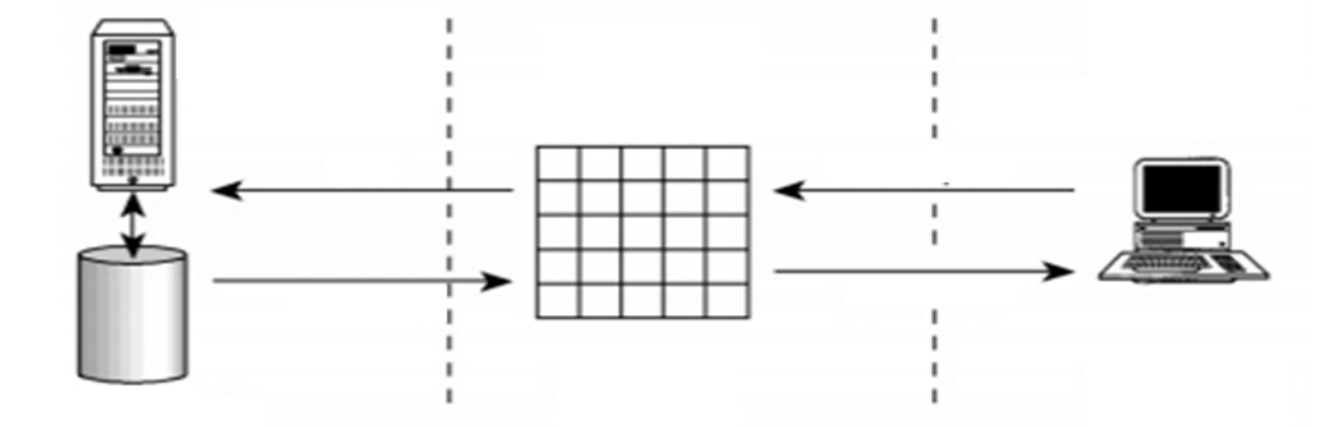2. **Find the question and then answer.**

THEN

OR

TOPIC 8: CATEGORIES OF OLAP TOOLS

1. **Complete the diagram to get the ROLAP architecture.**

2. **Convert and draw the above ROLAP architecture into MOLAP architecture.**
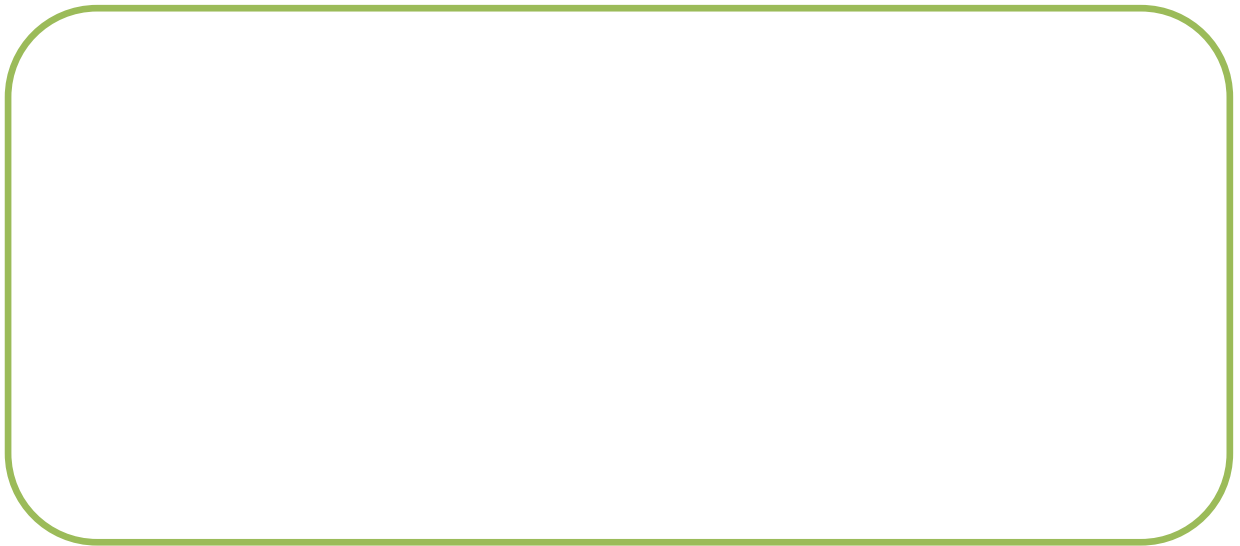
3. **Write the difference between ROLAP and MOLAP**

S.NO	ROLAP	MOLAP

TOPIC 9: OLAP TOOLS AND THE INTERNET

1. **Fill in the blanks.**

(i) _____ is virtually free resource which provides universal connectivity within and between countries.

(ii)_____ allows companies to store and manage both data and applications on servers that can be centrally managed, maintained and updated

2. **Draw the architecture of Web processing model.**

3. **Mention the OLAP tools in collaborating with internet.**