

CMA INTER- GROUP 2

DATA ANALYTICS ONE DAY BEFORE IMPORTANT QUESTIONS

CH 1- INTRODUCTION TO DATA SCIENCE FOR BUSINESS DECISION MAKING

- 1. Why do we Digitize? And How do we digitise? (six phases that comprise the entire process of Digitization)*
- 2. Discuss the six steps that may turn the Data into user friendly information*
- 3. Five basic principles of Data Ethics*
- 4. Discuss the relationship between Data, Information and Knowledge. How do we classify the types of Data. Interpret the various types of data used in Finance and Costing*
- 5. 'The quality information should lead to quality decisions' – Discuss*
- 6. 'One major concern about the use of data analytics is the likelihood of false positives' – briefly discuss (Professional Scepticism regarding Data)*

CH 2- DATA PROCESSING, ORGANISATION, CLEANING AND VALIDATION

- 1. How are Data processing and Data science related to finance? What are the functions of Data Processing*
- 2. What is Data Cleaning. Discuss the benefits and steps of Data Cleaning*
- 3. State the effective steps for effective Data classification*
- 4. Types of Distribution*
- 5. Elaborately discuss the functions of data analysis.*

CH 3- DATA PRESENTATION, VISUALISATION AND GRAPHICAL PRESENTATION

1. Prepare the list of key Factors that an analyst should keep in mind during Data Visualisation to avoid common errors and how can it be done in Right Way
2. State the scope and objectives of Data presentation Architecture
3. Tools and Techniques of Data Visualisation
4. Describe the steps & Use of Data Visualisation in report design

CH 4- DATA ANALYSIS AND MODELLING

1. What is Data Mining. Discuss various Applications of Data Mining techniques in Finance & accounting. Discuss the various steps in data mining
2. Describe Data Analytics and different steps in process of Data Analytics
3. Approaches towards Machine Learning. Also state Difference between Deep Learning and Machine Learning
4. Procedure/Methods of Business Intelligence
5. Cloud computing and Types of cloud
6. Describe prescriptive analytics with examples. Explain how does prescriptive analytics work.
7. Describe descriptive analytics. Explain how does descriptive analytics work
8. Benefits of Robot Process Automation