

Total No. of Questions – [06]

Total No. of Printed Pages: 2

G.R. No.	
----------	--

DECEMBER 2021 - ENDSEM EXAM
FINAL YEAR B. TECH. (COMP/E&TC/IT) (SEMESTER - I)
COURSE NAME: OPEN ELECTIVE III(BUSINESS
INTELLIGENCE)
COURSE CODE: IOEUA40184C

(PATTERN 2018)

Time: [1Hr]

[Max. Marks: 30]

(*) Instructions to candidates:

- 1) Answer Q.1 OR Q.2, Q.3 OR Q.4, Q.5 OR Q.6.
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

- Q.1 a) Compare and contrast various types of histograms. Draw the required histogram and state how mean mode and median are related to each other based on types [4]
- Q.1 b) Comment on thumb rule of standard deviation for outlier detection [6]

OR

- Q2 a) Interpret Dispersion and central tendency with suitable example [4]
- Q2 b) Justify the need of advanced data transformations in Power BI [6]
- Q.3 a) Power BI Gateways keep your dashboards and reports up to date by connecting to your on-premises data sources without the need to move the data .Justify [4]
- Q.3 b) Differentiate between Dataset, Report, Dashboard and Subscription [6]

OR

- Q.4 a) Differentiate between visual-level, page-level, and report-level filters in Power BI [4]
- Q.4 b) Compare different the types of connection with example. What is schedule refresh? For which type of connection schedule refresh is not required? [6]

- Q.5 a) Interpret Tableau architecture with neat diagram and justify Tableau as software-as-a-service (SaaS) deployment built to scale to serve thousands of sites with thousands of geographically distributed users within a multi-tenant (shared compute) environment [4]
- Q.5 b) Propose how Business analytics plays role in retail or marketing industry [6]

OR

- Q.6 a) Differentiate between Tableau server and Tableau online [4]
- Q.6 b) Clarify how Business analytics plays role in healthcare industry [6]