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Name of the College (Please tick, symbol is given)	:	COES	✓	CMES		COLS	
Program/Course	:	B.Tech CSE TI					
Semester	:	VIII					
Name of the Subject	:	Telecom Analytics					
Subject Code	:	CSIB487					
Name of Question Paper Setter	:	KAMAL PREET SINGH					
Employee Code	:	40001310					
Mobile & Extension	:	7251057277					
Note: Please mention additional Stationery to be provided, during examination such as Table/Graph Sheet etc. else mention "NOT APPLICABLE":							
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Roll No: -----

**UNIVERSITY OF PETROLEUM
AND ENERGY STUDIES**



End Semester Examination – April, 2017

Program/course: B.TECH CSE TI

Subject: Telecom Analytics

Code : CSIB 487

No. of page/s: 3

Semester – VIII

Max. Marks : 100

Duration : 3 Hrs

Section A

Marks:

60

Attempt all questions. The marks for each question are written alongside with the question.

1. Match the following examples with best suitable decision categories in which they fall (Many to One Mapping). Each correct mapping carries 2 marks. [20 Marks]

1. Scheduling production orders on individual work centers	A. Strategic Decisions
2. Inventory Stocking	
3. Marketing Campaign Planning	
4. Fleet Sizing	B. Operational Decisions
5. Capital Investment in new Equipment	
6. Assigning workers to shifts	
7. Staffing	C. Tactical Planning Decision
8. Transportation time tabling	
9. Production Planning	
10. Materials Procurements	

2. List the Followings [10 Marks]

- (a) Three OLAP Operations [3]
- (b) Four different chart types used in report [4]
- (c) Three conceptual models of data warehouse are [3]

3. What is dashboard? Explain different types of dashboard. [10 Marks]

4. Give Full Form of the following Abbreviations : [15 Marks]

- (a) HOLAP
- (b) ERP
- (c) ROLAP
- (d) CRM
- (e) ETL
- (f) CSP
- (g) SCM
- (h) MOLAP

5. What are three types of Analytics? Discuss three different categories of dashboard. [5 Marks]

Section B

Marks: 40

Attempt any two questions out of three

- 6. (a)** Explain various chart types along with their use. **[15]**
- (b)** What are the business challenges for communication service providers? **[5]**
- 7. (a)** What is KN Balanced scorecard used for? Also discuss its limitations. **[15]**
- (b)** Differentiate between OLAP and OLTP. **[5]**
- 8. (a)** What are Gestalt Principles of visual perception to dashboards? **[14]**
- (b)** What are the main challenges faced by Telecom Organizations in today's scenario? Suggest recommendations. **[06]**