



**WALCHAND INSTITUTE OF TECHNOLOGY, SOLAPUR**  
**Computer Science & Engineering, SEMESTER-I, 2020-21**  
**In-Sem. Examination –I/II/III**

# Big Data Analytics: CS424

Class: BE (CSE)  
 Date: 25/3/2021

Maximum Marks: 30  
 Time : 60 min

Instructions:

All questions are compulsory

Que No.	Sub Que.		Marks	CO	Blooms Learning Level
Q1		Objective Type Questions-	6M	1	Remember
	(i)	Moving data to code is one of the techniques used in a) Big Data b) Traditional BI c) Both			
	ii)	Veracity of data refers to ----- a) Huge volume of data b) Different types of data c) Value of data d) Trustworthiness of data			
	(iii)	----- requires to predetermine the data required for Analytics a) In-database processing b) In-memory analytics c) Symmetric multiprocessing d) All of the mentioned			
	(iv)	A data scientist should have the skills a) Technology b) Business c) Maths & statistics			

	<p>(v) d) All OLTP systems generate----</p> <p>a) Structured data</p> <p>b) Semi-structured data</p> <p>c) Unstructured data</p> <p>(vi) Consider the following statements:  Statement 1: Volatility refers to the data velocity relative to timescale of event being studied  Statement 2: Viscosity refers to the rate of data loss and stable lifetime of data</p> <p>a) Only statement 1 is true</p> <p>b) Only statement 2 is true</p> <p>c) Both statements are true</p> <p>d) Both statements are false</p>			
<b>Q.2</b>	Attempt any two -	10M	<b>1</b>	<b>Understand</b>
	<p>(i) Compare Analytics 1.0, Analytics 2.0, &amp; Analytics 3.0</p> <p>(ii) Identify the limitations of RDBMS from the perspective of Big Data Analytics?</p> <p>(iii) Classify the following things in Structured, Semi structured and unstructured basket and write the reason in a single line.  Email, salary data, city images, MS Access, MS Excel, face book comments, lecture videos, XML doc, chat room, university data system, news headlines, Letters, movie review news bites, JSON</p>			
<b>Q.3</b>		14M	<b>1</b>	<b>Apply</b>
	<p>(i) Consider any two real-life applications of Big data from the following:</p> <p>a) Education Industry</p> <p>b) health sector</p> <p>c) Media and Entertainment</p> <p>d) Weather Forecasting</p> <p>e) Manufacturing Industry</p> <p>For each application,</p> <p>a) Identity the multiple sources of how Big data is generated with diagram</p>			

b) List the various insights that can be provided by Analysis of Big Data.