

Department of Artificial Intelligence and Machine Leaning

Date: 23.06.2025	Improvement Test	Max. Marks: 50+10	
Semester: VI	UG	Duration: $1\frac{1}{2}$ Hrs + $\frac{1}{2}$ Hr	
Course Title: Big Data Technologies		Course Code: AI362IA	

Questions Define flume Define Interceptor State two spark's processing model	2 2 2	2 2 2	1
State two spark's processing model			_
	2	2	1
A DI- was and by A nacha Spark			1
List any two programming language APIs supported by Apache Spark	2	2	1
How do you identify whether a given operation is a transformation or an action in spark?	2	2	1
PART- B			
Discuss Job submission phase of a Spark Job Run with a diagram?	10	2	1
Discuss any two ways of creating RDD's in Spark?	5	2	1
Summarize reduceByKey(), foldByKey()transformations for aggregating RDDs with	5	2	2
Demonstrate the operation of Apache Flume with a supporting diagram and	6	2	2
configuration example Compare and contrast two aspects of serialization in apace spark?	4	2	2
		2	2
Discuss how to configure flume for HDFS sink?		2	2
source to multiple sinks in Anache Flume			
fustify the given Statement? "A sink group allows multiple sinks to be treated as one"	10	3	
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