

## FINAL EXAMINATION

TIME FOR THE EXAM: THREE HOURS

ANSWER **ALL** THE QUESTIONS ON THE BOOKLETS PROVIDED

1. What does big data analytics mean? **(15 Marks)**
2. Why is big data analytics important? **(5 Marks)**
3. List some tools used for big data **(20 Marks)**
4. What is data cleansing? **(5 Marks)**
5. What is the K-mean algorithm? **(5 Marks)**
6. What is the difference between data mining and data analysis? **(10 Marks)**
7. What are the most common analytical technique categories? **(10 Marks)**
8. What is machine learning? **(10 Marks)**
9. What is the difference between data mining and data profiling? **(10 Marks)**
10. What are an Eigenvalue and Eigenvector? **(10 Marks)**