Hall Ticket Number:

IV/IV B.Tech (Supplementary) DEGREE EXAMINATION

November, 2017   **Common for CSE & IT**
Eighth Semester   **Advanced Data Analytics**
Time: Three Hours   **Maximum :** 60 Marks

Answer Question No.1 compulsorily.   (1X12 = 12 Marks)

Answer ONE question from each unit.   (4X12=48 Marks)

1. Answer all questions   (1X12=12 Marks)
    a) Define Operational Database?
    b) List characteristics of big data
    c) What is Hadoop?
    d) List the components of Hadoop?
    e) Difference between Mapreduce and Yarn
    f) Define Hadoop Eco system
    g) What is the use of Pig Compiler
    h) Difference between Pig And Hive.
    i) Define types of joins in Hive
    j) What are the advantages of Hive.
    k) What are the functions of Sqoop.
    l) Difference between map reduce and Spark.

UNIT I

2. a) Explain in detail about installation of hadoop   6M
    b) Explain characterstics of Big Data along with challenges   6M
                                    (OR)
3. Explain HDFS Commands with examples   12M

UNIT II

4. Discuss in detail about Word Count program in Map reduce with Java Code.   12M

                                    (OR)
5. Explain anatomy of how job runs in YARN   12M

UNIT III

6. a) Discuss about how applications runs on HDFS   8M
    b) Differentiate between YARN and Map reduce.   4M
                                    (OR)
7. a) Explain PIG Latin Scripting for word count program   6M
    b) Explain about Hive working and Hive architecture in detail.   6M

UNIT IV

8. a) Explain in detail about Sqoop Import and Export statements in detail.   6M
    b) Explain about Functionality of Import and Export Functions in Sqoop with neat diagrams. 6M
                                    (OR)
9. Explain how Job runs in SPARK in distributed mode.   12M

Hall Ticket Number:

IV/IV B.Tech (Supplementary) DEGREE EXAMINATION

November, 2017   **Computer Science & Engineering**

Eighth Semester   **Wireless Networks**

Time: Three Hours   **Maximum:** 60 Marks

Answer Question No.1 compulsorily.   (1X12 = 12 Marks)

Answer ONE question from each unit.   (4X12=48 Marks)

1. Define the following   (1X12=12 Marks)
    a) Define Spread Spectrum.
    b) What is Frequency?
    c) Explain Radio Transmission.
    d) What is Near and far terminal problem?
    e) Define SDMA.
    f) Differentiate Home Location register and Visitor Location Register?
    g) Acronym of GPRS?
    h) What is Satellite System?
    i) What is COA?
    j) Define access point.
    k) Demonstrate Reverse Tunneling.
    l) Define WAP.

UNIT I

2. a) Explain about modulation and multiplexing in wireless transmission   (7 M)

   b) Write short notes on history of wireless communication   (5 M)

(OR)

3. a) Explain about different signal propagation effects in wireless transmission.   (5 M)

   b) Write in detail about various TDMA schemes used in medium access control.   (7 M)

UNIT II

4. a) With a neat sketches explain Radio interface and protocol architecture of GSM system.   (7 M)

   b) Write short notes on Localization and Routing in Satellite systems.   (5 M)

(OR)

5. a) Briefly discuss about digital audio broadcasting.   (7 M)

   b) Write short notes on DECT.   (5 M)

UNIT III

6. a) Explain about medium access control layer of IEEE 802.11   (7 M)

   b) Describe about dynamic host configuration in mobile network layer.   (5 M)

(OR)

7. With a neat sketches explain in detail about HIPERLAN 2.   (12M)

UNIT IV

8. a) Describe in detail about Mobile and Transaction-oriented TCP.   (5 M)

   b) With a neat sketches explain about wireless session protocol   (7 M)

(OR)

9. Write short notes on the following
    a) Fast retransmit/Fast Recovery   (4 M)
    b) Transmission/time-out freezing   (4 M)
    c) Wireless transport layer security   (4 M)

Hall Ticket Number:

November, 2017	**Common for CSE & IT**
Eighth Semester	**Software Testing Methodologies**
Time: Three Hours	**Maximum :** 60 Marks

Answer Question No.1 compulsorily. (1X12 = 12 Marks)

Answer ONE question from each unit. (4X12=48 Marks)

1. Answer all questions (1X12=12 Marks)
   a) What is meant by Defect Prevention?
   b) Write the purpose of Planning Phase.
   c) What is White Box Testing?
   d) Why is System Testing done?
   e) Types of Regression Testing.
   f) What is test case?
   g) What is Buddy Testing?
   h) What is defect seeding?
   i) List success factors for testing organizations.
   j) What are the skills needed for automation.
   k) What is meant by Test Planning?
   l) Write Test Tools.

UNIT I

2. a) What are the various fundamental principles of testing? 6M
   b) Describe the Process model to represent different phases. 6M

(OR)

3. a) Write short notes on Static Testing. 6M
   b) How to do Black Box Testing? Explain. 6M

UNIT II

4. a) Explain Integration Testing as a Type of Testing. 6M
   b) Explain Functional System Testing in detail. 6M

(OR)

5. a) Write various factors that govern performance testing. 6M
   b) What is the necessity of regression testing? And when to do regression testing? 6M

UNIT III

6. a) Explain the Overview of Ad Hoc Testing. 6M
   b) When to do Usability Testing? Explain. 6M

(OR)

7. a) Write short notes on Providing career paths for testing Professionals. 6M
   b) Describe Testing Team Structures for Single-Product Companies. 6M

UNIT IV

8. a) Describe Test Process in detail. 6M
   b) Explain in detail about Design and Architecture for Automation. 6M

(OR)

9. a) Describe Test Metrics. 6M
   b) Explain Test Measurements. 6M