



TAMIL NADU OPEN UNIVERSITY

School of Computer Science

SPOT ASSIGNMENT – AY 2019-20

NOTE: Part A Contains 3 Questions and will carry 5 Marks each, Part B Contain 1 Question and will carry 10 Marks. Students are requested to write 150 words and should not exceed 2 pages each in Part A, 300 words and should not exceed 4 pages in Part B.

Bachelor of Computer Applications

Third Year

Course Code: BCA-13

Course Title: TCP / IP Programming

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions

(3 X 5 = 15 Marks)

1. What is the purpose of an ARP request?
2. What is IP routing? Explain
3. Explain the components of TCP in detail?

Part- B- Long Answer Question

Answer the following question

(1 X 10 = 10 Marks)

4. Explain briefly Network Virtual Terminal (NVT).



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Bachelor of Computer Applications

Third Year

Course Code: BCA-14

Course Title: C++ and Object Oriented Programming

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions

(3 X 5 = 15 Marks)

1. Explain about storage classes.
2. Explain scope resolution operator with an example.
3. What is an explicit constructor? Explain with example.

Part- B- Long Answer Question

Answer the following question

(1 X 10 = 10 Marks)

4. Explain structures with necessary example.



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Bachelor of Computer Applications

Third Year

Course Code: BCA-15

Course Title: Theory of Computer Science

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions

(3 X 5 = 15 Marks)

1. What is an equivalence class? Explain.
2. What are turing machines? Explain in detail.
3. When a language is said to be context free?

Part- B- Long Answer Question

Answer the following question

(1 X 10 = 10 Marks)

1. Construct an FA for a^*/ba^*b



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Bachelor of Computer Applications

Third Year

Course Code: BCA-16

Course Title: Introduction to Internet Programming

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions

(3 X 5 = 15 Marks)

1. What is JVM?
2. Explain about the need of Constructor.
3. Write a Java program to add two square matrices

Part- B- Long Answer Question

Answer the following question

(1 X 10 = 10 Marks)

1. Explain the steps for GUI creation.



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Bachelor of Computer Applications

Third Year

Course Code: BCA-17

Course Title: Intranet Administration

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions

(3 X 5 = 15 Marks)

1. Explain the advantages of Intranet?
2. Explain about address translation of LAN?
3. Explain the features of HTML.

Part- B- Long Answer Questions

Answer the following question

(1 X 10 = 10 Marks)

1. (a) Explain different classes of IP Address. Give suitable example of each.
(b) Differentiate between CDMA and GSM technology.



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Bachelor of Computer Applications

Third Year

Course Code: BCA-18

Course Title: Management Principles and Techniques

(Total Marks=25)

Part- A- Short Answer Questions

Answer all questions

(3 X 5 = 15 Marks)

1. Explain the importance of communication.
2. Solve the assignment problem

	J1	J2	J3
P1	4	3	5
P2	5	3	6
P3	6	2	3

3. Differentiate PERT with CPM.

Part- B- Long Answer Question

Answer the following question

(1 X 10 = 10 Marks)

1. Explain any two replacement policies.