DEPARTMENT OF SOFTWARE ENGINEERING

QUALIFICATION: BACHELOR OF COMPUTER SCIENCE (HONS SOFTWARE DEVELOPMENT)	
QUALIFICATION CODE: 08BCHS	**LEVEL:** 8
COURSE: SECURE SYSTEMS	**COURSE CODE:** SSS811S
DATE: JULY 2024	**SESSION:** THEORY
DURATION: 3 HOURS	**MARKS:** 100

SECOND OPPORTUNITY / SUPPLEMENTARY EXAMINATION	
EXAMINER (S)	MR ARPIT JAIN
MODERATOR:	MR PALKESH KATARIA

THE QUESTION PAPER CONSISTS OF 2 PAGES
(Including this front page)

INSTRUCTIONS

1. Answer ALL the questions.
2. Write clearly and neatly.
3. In answering questions, be guided by the allocated marks.
4. Number your answers clearly following the numbering used in this question paper.

PERMISSIBLE MATERIALS

1. None

Question 1 [20]

(a) What are the defence techniques you can implement with different stages of a Cyber Kill Chain?

Question 2 [20]

(a) What is Threat modelling and Vulnerability discovery? [10]

(b) How can you architect your infrastructure and processes to be responsive to the inevitable changes you'll face? [10]

Question 3 [20]

(a) How to classify access based on risk and examine best practices that enforce least privilege. [10]

(b) What are the Policy Framework for Authentication and Authorization Decisions [10]

Question 4 [20]

(a) How do you change your design while changing the landscape? [10]

(b) What is the complication arriving when plan changes? [10]

Question 5 [20]

(a) What are the techniques to deploy the response mechanism? [10]

(b) What are the design principles for the system to be resilient under adverse or unexpected circumstances [10]