UNIVERSITY OF EDUCATION, WINNEBA
INSTITUTE FOR TEACHER EDUCATION AND
CONTINUING PROFESSIONAL DEVELOPMENT
(ITECPD)
END-OF-FIRST-SEMESTER EXAMINATIONS. AUGUST, 2023

LEVEL 300
COURSE CODE: JBT 352
COURSE TITLE: WEB AND MOBILE APPLICATIONS AND DEVELOPMENT
TIME ALLOWED: 2 HRS

STUDENT'S INDEX NUMBER:

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GENERAL INSTRUCTIONS:
- This paper is made up of ONE SECTION.
- *The Section is made up of five essay type questions.*
- *Answer any THREE questions in your answer booklet.*
- *Each question carries equal marks. You are expected to start each question on a new page.*
- *You are expected to hand over your answer booklet to the invigilator before you leave the examination hall.*

Instruction:. *Answer any three (3) questions in the answer booklet provided.*

1a. How do computer network protocols serve as the backbone of modern communication, ensuring seamless data exchange and enabling the global interconnectedness of devices in the ever-evolving landscape of the internet?

(5 Marks)

b. In the vast world of web design, in what **five (5)** ways does the magical touch of Cascading Style Sheets (CSS) bring life to websites, creating captivating visuals and streamlined user experiences, while simplifying the developer's journey through the tangled web of design complexities? **(15 Marks)**

1 | Page

2. How does the complex and interconnected system of the World Wide Web function, involving servers, protocols, browsers, and data transmission, to deliver a seamless browsing experience and connect users to a vast array of information and services at the click of a button? **(20 Marks)**

3. In the sprawling landscape of website hosting, in what **five (5)** ways does the Apache server emerge as a silent guardian, effortlessly supporting websites and catering to millions of online visitors by efficiently processing requests, serving web pages, and ensuring a smooth digital experience for users worldwide? **(20 Marks)**

4. In the mesmerizing world of website design, how does JavaScript, like a skilful magician, weave its enchanting spells to breathe life into web pages and create seamless interactions that leave visitors spellbound? Explain **five (5)** points. **(20 Marks)**

5. As a web designer, write the code in HTML to display *"My first website"*. The *"website"* should be Red Coloured. (Hint: use CSS for the colour syntax) **(20 Marks)**

Body { font-family: Arial, sans-serif;
text-align: center;
margin: 0;
padding: 0; }

.red-color { color: red; }
</style>
<title> my first website </Title>
< head >
<Body>
<h1> <span