



Republic of Rwanda
City of Kigali



**GASABO DISTRICT COMPREHENSIVE ASSESSMENT
FOR 2ND TERM, ACADEMIC YEAR 2022-2023.**

TRADES:

RTQF LEVEL:

SUBJECT:

DURATION: 3hrs 0n // 2023

INSTRUCTION TO CANDIDATES:

- ✓ This question paper consists of **THREE** sections **A, B and C**
- ✓ Answer all questions in section A (**55marks**).
- ✓ Answer only **Three** questions in section B (**30marks**).
- ✓ Answer only **One** question in section C (**15marks**).
- ✓ Use only blue or black pen for answering.
- ✓ Mathematical instruments are allowed where it is necessary.

Note: Results for any candidate who is caught in examination malpractices are nullified.

SECTION A: Compulsory questions (55 marks)

1. What is JavaScript?
2. Enumerate the differences between Java and JavaScript?
3. What are JavaScript Data Types?
4. What is the use of isNaN function?
5. Which is faster between JavaScript and an ASP script?
6. What is negative Infinity?
7. Is it possible to break JavaScript Code into several lines?

- 8. What are undeclared and undefined variables?
- 9. Write the code for adding new elements dynamically?
- 10. What is the working of timers in JavaScript?
- 11. What is the difference between ViewState and SessionState?

SECTION B: Attempt any Three (3) questions

(30 marks)

12. What is the difference between .call() and .apply()?

- 13. Write a JavaScript Program to Calculate the Area of a Triangle?
- 14. JavaScript Program to Convert Kilometers to Miles?
- 15. Javascript Program to Check if a number is Positive, Negative, or Zero
- 16. Javascript Program to Check if a Number is Odd or Even
- 17. JavaScript Program to Find the Largest Among Three Numbers

SECTION C: Attempt only one(1) questions

(15marks)

-
- 18. JavaScript Program to Print the Fibonacci Sequence?
 - 19. JavaScript Program to Make a Simple Calculator?

END OF ASSESSMENT!