**SS 1 ENGLISH STUDIES HOLIDAY ASSIGNMENT**

**Answer ALL questions**

Your school’s Literary and Debating Society has organized a debate on the topic: **“The Television is Doing More Harm Than Good to Our Youths.”** Write your contribution for or against the topic. Your answer should not be less than 450 words.

*Type and Spiral Bind.*

**SS 1 MATHEMETICS HOLIDAY ASSIGNMENT**

**Answer ALL questions**

1. Find the missing number if the following addition is performed in base 5.

2 1 3

1 0 3 0 1

1. Evaluate
2. Copy and complete the binary multiplication table below.

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1. If is in base six, find the value of .
2. Compute a table for multiplication and addition for modulo 5. Hence, find;
3. Evaluate 893 + 412 (mod 4)
4. Solve for in .
5. Evaluate
6. Solve
7. If and . Find the value of **.**
8. Evaluate the following;
9. If is directly proportional to the square of and when . Find the relation between and.Hence, find when .
10. varies inversely as the cube root of . The table below shows the relation between

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1. Determine the relation between .
2. Copy and complete the table.
3. The heat (H) produced by an electric current varies directly as the square of the applied voltage (V) and inversely as the resistance (R) of the wire. A voltage of 540V applied to a wire of resistance 40 produced 1458J of heat. Find;
4. An expression between H, V and R.
5. The resistance that would produce 588J of heat when the voltage is 420V.
6. The charge for electricity consumption, E, is partly constant and partly varies as the number N of units used. The charge for 163 units is ₦453.80, while the charge for 42 units is ₦139.20.
7. Calculate the charge per unit of electricity.
8. Obtain a formula for E in terms of N.
9. A school sports team contains 68 students. 33 do field events, 40 do track events, 23 do swimming, 14 do both field and track events, 8 do both swimming and field events. If 15 students do field events only, and 10 do both swimming and track events, how many students do
10. Swimming only,
11. Track events only,
12. All three events?
13. In a survey of 290 newspapers readers, 181 of them read the Daily Times, 142 read the Guardian, 117 read the Punch and each reads at least one of the three papers. If 75 read the Daily Times and the Guardian, 60 read the Daily Times and the Punch, and 54 read the Guardian and the Punch.
14. Draw a Venn diagram to illustrate this information.
15. How many readers read
16. All the papers,
17. Exactly two of the papers,
18. Exactly one of the papers,
19. The Guardian alone?