

TERM 3 END YEAR EXAM - 2022  
COMPUTER STUDIES 451/1

*Kenya Certificate of Secondary Education (KCSE)*

FORM ONE PAPER I

NOVEMBER 2022

TIME 2 Hrs.

NAME.....ADM NO.....

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**Instructions to Candidates**

- Write your Name and Index number in spaces provided above.
- This paper consists of **TWO** sections.
- Answer **ALL** questions in section **A**.
- Answer Question 16 and any other **THREE** Questions from Section **B**
- All answers **MUST** be written in the spaces provided on this question paper.

For Examiner's Use Only

| Questions | Maximum Score | Actual Score |
|-----------|---------------|--------------|
| 1-15      | 40            |              |
| 16        | 15            |              |
| 17        | 15            |              |
| 18        | 15            |              |
| 19        | 15            |              |
| 20        | 15            |              |
| TOTAL     |               |              |

**SECTION A: 40 MARKS**

**Answer all the questions in this Section.**

# Form 1 Computer Studies Past Papers Sdocuments2

**Victor M. Corman**



**Form 1 Computer Studies Past Papers Sdocuments2:**

## **Form 1 Computer Studies Past Papers Sdocuments2** Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the power of words has are more evident than ever. They have the ability to inspire, provoke, and ignite change. Such is the essence of the book **Form 1 Computer Studies Past Papers Sdocuments2**, a literary masterpiece that delves deep to the significance of words and their impact on our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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formula you can solve all quadratic equations using the quadratic formula method because of its versatility we call it the almighty formula you can find the roots of a quadratic equation using  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$

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web the discriminant for any quadratic equation of the form  $y = ax^2 + bx + c$  is found by the following formula and it provides critical information regarding the nature of the roots solutions of any quadratic equation formula discriminant  $b^2 - 4ac$  f o r m u l a discriminant  $b^2 - 4ac$

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web the discriminant is the part of the quadratic formula underneath the square root symbol  $b^2 - 4ac$  the discriminant tells us whether there are two solutions one solution or no solutions quick review of the quadratic formula the quadratic formula says that  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$  for any quadratic equation like  $ax^2 + bx + c = 0$

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web the quadratic formula in terms of the discriminant is  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$  example find the discriminant of the quadratic equation  $2x^2 - 3x - 8 = 0$  comparing the equation with  $ax^2 + bx + c = 0$  we get  $a = 2$ ,  $b = -3$  and  $c = -8$  so the discriminant is  $\Delta$  or  $b^2 - 4ac = (-3)^2 - 4(2)(-8) = 9 + 64 = 73$  discriminant of cubic equation

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web find the value of the discriminant of each quadratic equation  $x^2 - 6x + 2 = 0$ ,  $x^2 + 7x + 3 = 0$ ,  $2x^2 - x + 1 = 0$ ,  $7x^2 + 3x + 4 = 0$ ,  $4m^2 + 5m - 9 = 0$ ,  $96 - 45b + 2b^2 = 0$ ,  $41 - 5r + 2r^2 = 0$ ,  $17 - 6p + 2p^2 = 0$ ,  $5p^2 - 4 = 0$ ,  $57$  find the discriminant of each quadratic equation then state the number of real and imaginary solutions

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web mar 1 2022 the quadratic formula  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$  if the discriminant is positive this means we are taking the square root of a positive number we will have a positive and negative real solution this equation will have two real solutions or  $x$  intercepts