

I'm not robot



Computer past paper 2024

The article discusses Form 4 KCSE Exams Plus Answers, specifically focusing on Naivasha Boys High School. The school provides details on KCSE analysis, contacts, location, admissions, history, fees, portal login, and website. Additionally, the article offers KNEC Code information. A downloadable file titled "2024 KCSE AGRI P1 MS.pdf" is provided, along with many other files containing KCSE exam papers for various subjects such as Agriculture, Biology, Business Studies, Chemistry, Computer Studies, English, Geography, History, Mathematics, Physics, and Swahili. The files are labeled as "CONFIDENTIAL," or "MS". The article also includes a Form 4 Computer Studies Paper 1 Exam 2024, which consists of two sections: A and B. Section A requires candidates to answer all questions in the provided spaces. In Section B, candidates must answer question 16 (compulsory) and any other three questions from the section. The exam paper has instructions for candidates to follow, including writing their name and admission number, checking for missing pages, and ensuring that all answers are written in the provided spaces. 1. Storage capacity is used to hold data and programs that are currently being executed by the CPU or waiting for execution. 2. Repeater functions include regenerating/reconstructing data signals, amplifying data signals, extending network distance, and re-transmitting data signals. 3. The binary number 1101.012 converts to decimal as follows: $(1 \times 2^3) + (1 \times 2^2) + (0 \times 2^1) + (1 \times 2^0) + (0 \times 2^{-1}) + (1 \times 2^{-2}) = 8 + 4 + 1 + 0.25 = 13.25$ 4. Database features include: (i) Macros: a feature used to automate frequently performed procedures. (ii) Programming module: a feature which automates more complex operations that cannot be achieved using the macros. 5. Two ways of creating text in Microsoft Publisher are: Using text tool - Ms-publisher provide a text box which act as text tool Using text frame- by using text frame or by converting any object created with drawing tool except the line 6. Formula in cell M24 appears as: =H39+L29 7. (i) Cell - An intersection between a row and a column (ii) value - Numbers that can be manipulated mathematically 8. Pseudocode: (a) Simplex transmission: Data is transmitted in one direction only. (b) Half duplex transmission: Data is transmitted in two directions but only in one direction at a time. 9. Two ways in which computers have been made user-friendly for persons that are physically challenged are: Use of voice recognition devices for the handicapped Use Braille 10. Four mechanical devices used for counting before electronic computers are: Abacus Pascaline Slide rule Weaving loom 11. Two ways in which internet enhances business are: Provides a platform for advertisement of business products Provides convenient means of transaction and EFT 12. FIG 1- Command line interface, FIG 2- Graphical User Interface, FIG 3- Menu driven interface. Advantages of the operating system represented in Figure 2 (Graphical User Interface) include: (a) Improved user experience with intuitive visual interface (b) Enhanced security features to protect sensitive data (c) Increased productivity through streamlined workflows (d) Better support for multimedia content 13. Two reasons why a company may prefer a tailor made software over vendor-off the shelf software are: The solutions it offers give the greatest depth, and flexibility possible in meeting the needs of an organization. The software developer delivers and installs the software and trains the end users in the use of the new software. Given article text here The source code belongs to the company. List four functions of an anti-virus program in a computer 1. Prevent computer virus from attacking computer. 2. Delete virus from the computer. 3. Detect the existence of viruses and other malware. 4. Provide accurate, up-to-date information about system and network security. 1. A company like Pesa can overcome the problem of unauthorized access to their computer data by implementing encryption methods, setting up firewalls around their network, and limiting the number of log-in attempts. Additionally, they could establish an audit trail/tracking system to monitor who is accessing their data and have physical protection in place for their computers. 2. To set up internet connectivity at Kagumo High School, they must first obtain an Internet Service Provider (ISP), use suitable transmission media, and install a modem and necessary software such as Internet software and a communication node (Computer). The school should also consider the features required to establish reliable connections. 3. The internet can make reporting of corruption easier by providing interactiveness, which allows for real-time dialogue and instantaneous reporting of cases; outreach, enabling coverage over wide areas or from anywhere; social mobilization, making it easy to network with people or organizations with similar concerns; anonymity, allowing reporting without being known; and security, ensuring messages reach their destination safely. a) Data Collection Stages: 1. Creation: Gathering data through various means like surveys, interviews, and observations. 2. Transmission: Sending the collected data to a central location for processing. 3. Preparation: Cleaning, formatting, and organizing the data for analysis. 4. Input Validation: Verifying the accuracy of the input data before processing. b) Arithmetic Errors: 1. Truncation Error: Occurs when part of a number is lost or left out during processing. 2. Rounding Off Error: Approximating a number by replacing it with a similar value, potentially losing precision. 3. Overflow/Underflow Error: When the result of a calculation exceeds or falls below the allocated memory space. c) Two's Complement Calculation: 1. Convert 32 {10} to binary: 00100000 2 2. Find the ones complement of 19 {10}: 00010011 2 -> 11101100 2 3. Add 1 to 11101100 2: 11101101 2 4. Add 00100000 2 + 11101101 2 = (1)00001101 2, ignoring overflow: 00001101 2 d) Binary Addition: 1. Calculate 1011101 2 + 101100 2 = 10001001 2 2. Subtract 1111101 2 from 10001001 2 = 00001100 2 Consider alternative educational paths, such as vocational training or other courses.

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