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**SCHEMES OF WORK**

COLLEGE: LAIKIPIA EAST TVC MODULE: CICT Mod II SUBJECT: STRUCTURED PRODRAMMING

DATE: 27/04/2024 TERM: TERM 1 CLASS: CICT /J/23 TRAINER’S NAME: DUNCAN NDEGWA

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| **TERM 1** | | | | | | |
| **Week** | **Topic/Lesson Title** | **Objectives** | **Key Points** | **Activities** | **Reference & Aids** | **Remarks/**  **Date Taught** |
|  | **REPORTING AND REGISTRATION** | | | | | |
|  | Programming concepts | By the end of the lesson the leaner should be able to:   * Explain programming concepts * Explain the generation of programming languages | * programming concepts * generation of programming languages | Taking notes  Class discussion  Questions and answers | * E-books * Dijkstra, E. W. (2002). *Ewd 1308: What led to “notes on structured programming”* (pp. 340-346). Springer Berlin Heidelberg. |  |
|  | Programming approaches | By the end of the lesson the leaner should be able to:   * Describe programming approaches | * programming approaches | Taking notes  Class discussion  Questions and answers | * E-books   Dijkstra, E. W. (2002). *Ewd 1308: What led to “notes on structured programming”* (pp. 340-346). Springer Berlin Heidelberg. |  |
|  | Program development | By the end of the lesson the leaner should be able to:   * Describe program specification * Describe program development life cycle | * program specification * program development life cycle | Taking notes  Class discussion  Questions and answers | * E-books   Dijkstra, E. W. (2002). *Ewd 1308: What led to “notes on structured programming”* (pp. 340-346). Springer Berlin Heidelberg. |  |
|  | Program Design | By the end of the lesson the leaner should be able to:   * Define program design * Describe program design approaches | * program design * program design approaches | Taking notes  Class discussion  Questions and answers | * E-books   Dijkstra, E. W. (2002). *Ewd 1308: What led to “notes on structured programming”* (pp. 340-346). Springer Berlin Heidelberg. |  |
|  | Introduction to structured programming | By the end of the lesson the leaner should be able to:   * Discuss C concepts * Describe C programming language environments * Explain the format of a C program | * C concepts * format of a C program | Taking notes  Practical session  Class discussion  Questions and answers | * E-books   Dijkstra, E. W. (2002). *Ewd 1308: What led to “notes on structured programming”* (pp. 340-346). Springer Berlin Heidelberg. |  |
|  | **CAT ONE AND ASSIGNMENT 1** | | | | | |
|  | Fundamentals of C programming | By the end of the lesson the leaner should be able to:   * Explain the fundamentals of C programming * Describe control structures in C | * control structures | Taking notes  Practical session  Class discussion  Questions and answers | * E-books   Dijkstra, E. W. (2002). *Ewd 1308: What led to “notes on structured programming”* (pp. 340-346). Springer Berlin Heidelberg. |  |
|  | Fundamentals of C programming | By the end of the lesson the leaner should be able to:   * Explain the concepts of sub-program | * sub-program | Taking notes  Practical session  Class discussion  Questions and answers | * E-books   Dijkstra, E. W. (2002). *Ewd 1308: What led to “notes on structured programming”* (pp. 340-346). Springer Berlin Heidelberg. |  |
|  | Pointers | By the end of the lesson the leaner should be able to:   * Describe pointers | * pointers | Taking notes  Practical session  Class discussion  Questions and answers | * E-books   Dijkstra, E. W. (2002). *Ewd 1308: What led to “notes on structured programming”* (pp. 340-346). Springer Berlin Heidelberg. |  |
|  | Data structures | By the end of the lesson the leaner should be able to:   * Describe data structures | * data structures | Taking notes  Practical session  Class discussion  Questions and answers | * E-books   Dijkstra, E. W. (2002). *Ewd 1308: What led to “notes on structured programming”* (pp. 340-346). Springer Berlin Heidelberg. |  |
|  | **REVISION AND EXAMINATIONS** | | | | | |
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Trainers Sign…………………. HOD’s Name....................………...Sign and stamp…………… Date………….