



“ඉගෙනීමට මුල් තැන”

TERM NOTE – 2017

GRADE 12 & 13

Information & Communication Technology

**Provincial Department of Education North
Central Province**

www.pedunc.sch.lk

www.edudept.nc.gov.lk

ICT GRADE 12 –YEAR 2017 – FIRST TERM

INDEX NO	DATE	PERIOD	LESSON
1.	09/06 – 09/08	06	<ul style="list-style-type: none"> • Characteristics of Data and Information • Need of technology to create, disseminate and manage data and information
2.	09/11 – 09/15	10	<ul style="list-style-type: none"> • Need of technology to create, disseminate and manage data and information • Develop a Abstract model of information • Basic components of a computer system.
3.	09/18 – 09/21	06	<ul style="list-style-type: none"> • Basic components of a computer system.
4.	09/22	02	<ul style="list-style-type: none"> • REVISION AND MONTHLY TEST(PREPARED BY TEACHER)
5.	09/25 – 09/29	10	<ul style="list-style-type: none"> • How numeric data are represented in computers. • How character data are represented in computers
6.	10/02 – 10/06	08	<ul style="list-style-type: none"> • basic arithmetic and logic operations
7.	10/09 – 10/13	10	<ul style="list-style-type: none"> • how signed numbers are represented in computers
8.	10/16 – 10/20	08	<ul style="list-style-type: none"> • basic digital logic gates in terms of their unique Functionalities • Simplifies logic expressions using laws of Boolean Algebra.
9.	10/23 – 10/26	08	<ul style="list-style-type: none"> • Simplifies logic expressions using laws of Boolean Algebra. • Designs simple digital circuits
10.	10/27	02	<ul style="list-style-type: none"> • MONTHLY TEST(PREPARED BY TEACHER)
11.	10/30 – 11/02	08	<ul style="list-style-type: none"> • Uses problem-solving process. • Structural system for solve problems
12.	11/06 – 11/10	10	<ul style="list-style-type: none"> • Structural system for solve problems • algorithmic approach to solve problems • Characteristics of Systems. • Information Systems
13.	11/13 – 11/17	10	<ul style="list-style-type: none"> • Information Systems.
14.	11/20 – 12/08	10	<p>REVISION MONTHLY TEST(PREPARED BY TEACHER)</p>

ICT GRADE 12 –YEAR 2017 – TERM 2,3 and GRADE 13 FIRST TERM

INDEX NO	DATE	PERIOD	LESSION
15.	01/02 - 01/06	10	<ul style="list-style-type: none"> Analyses the activities of Data Processing Life Cycle ICT in different field of applications in organizations Impact of ICT on the society.
16.	01/09 – 01/13	08	<ul style="list-style-type: none"> Impact of ICT on the society Evolution of computing Hardware Components
17.	01/16 -01/20	10	<ul style="list-style-type: none"> Hardware Components Evolution of computer architectures
18.	01/23 -01/27	10	<ul style="list-style-type: none"> Introduction to computer Operating Systems
19.	01/30 – 02/03	10	<ul style="list-style-type: none"> Introduction to computer Operating Systems File types & File security
20.	02/06 – 02/08	08	<ul style="list-style-type: none"> How Process management in OS How Memory management by OS
21.	02/09		<ul style="list-style-type: none"> MONTHLY and UNIT 02 TEST (PREPARED BY TEACHER)
22.	02/13 – 02/17	10	<ul style="list-style-type: none"> How Memory management by OS How translators to translate source codes into Machine codes identify their basic features of IDEs
23.	02/20 – 02/23	08	<ul style="list-style-type: none"> identify their basic features of IDEs Lexical elements of a programming language.
24.	02/27 – 03/02	08	<ul style="list-style-type: none"> Lexical elements of a programming language. Compares and contrasts different types of database models
25.	03/03	02	<ul style="list-style-type: none"> REVISION and MONTHLY TEST (PREPARED BY TEACHER)
26.	03/06 – 03/10	10	<ul style="list-style-type: none"> Compares and contrasts different types of database models Identify Main components of the relational database model. ANSI SPARC three level architecture
27.	03/13 – 03/17	08	<ul style="list-style-type: none"> How different information systems development models are use to develop a database. Phases of the System Development Life Cycle Revision
28.	03/20 – 04/05	-	2nd TERM TEST
29.	04/26 – 04/28	06	<ul style="list-style-type: none"> e-Marketing Relationship Between ICT And Business Operations
30.	05/02 – 05/05	08	<ul style="list-style-type: none"> Relationship Between ICT And Business Operations e-Marketing and services
31.	05/08 – 05/12	06	<ul style="list-style-type: none"> e-Marketing and services Different types of web pages available in the internet.
32.	05/15 – 05/19	10	<ul style="list-style-type: none"> Different types of web pages available in the internet.
33.	05/22 – 05/26	10	<ul style="list-style-type: none"> structure and the composition of websites
34.			<ul style="list-style-type: none"> REVISION and MONTHLY TEST (PREPARED BY TEACHER)
35.	05/29 – 06/02	10	<ul style="list-style-type: none"> Components of a data communication system. Compares and contrasts manual communication methods with modern communication methods.

INDEX NO	DATE	PERIOD	LESSION
36.	06/05 – 06/07	02	MONTHLY TEST (PREPARED BY TEACHER)
37.	06/12 – 06/16	10	<ul style="list-style-type: none"> • Control structures in developing programs. • Uses libraries and services in Programs
38.	06/19 – 06/23	10	<ul style="list-style-type: none"> • Uses libraries and services in Programs • U s e s functions in programs
39.	06/27 – 06/29	06	<ul style="list-style-type: none"> • U s e s functions in programs • Investigates the need for a new information system • Requirement Analysis
40.	06/30	02	• REVISION MONTHLY TEST (PREPARED BY TEACHER)
41.	07/03 – 07/07	10	• Requirement Analysis
42.	07/10 – 07/14	10	• Logical Design and Process specification
43.	07/17 – 07/18	04	<ul style="list-style-type: none"> • ER diagrams • Designs the logical schema.
44.	07/19 – 08/04		3rd TERM TEST
45.	09/06 – 09/08	06	• Uses HTML to create web pages.
46.	09/11 – 09/15	10	<ul style="list-style-type: none"> • Uses HTML to create web pages. • advanced features in HTML
47.	09/18 – 09/22	10	<ul style="list-style-type: none"> • PC memory system to identify different type of memories and their main characteristics • Compare and contrast of different type of memories
48.	09/25 – 09/28	08	<ul style="list-style-type: none"> • Memory Organization • Develops and tests the proposed system.
49.		02	• MONTHLY TEST (PREPARED BY TEACHER)
50.	10/02 – 10/06	08	<ul style="list-style-type: none"> • Develops and tests the proposed system. • Implements the developed system. • Compares and Contrasts different programming
51.	10/09 – 10/13	10	<ul style="list-style-type: none"> • Compares and Contrasts different programming • Compare data transmission methodologies
52.	10/16 – 10/20	08	<ul style="list-style-type: none"> • Multiplexing techniques for media sharing • transmission media for data communication
53.	10/23 – 10/26	08	<ul style="list-style-type: none"> • transmission media for data communication • Transmission impairments • Compares benefits and issues of computer networks
54.	10/27	02	• MONTHLY TEST (PREPARED BY TEACHER)
55.	10/30 – 11/02	08	• Computer network types, topologies and models.
56.	11/06 – 11/10	10	<ul style="list-style-type: none"> • Transforms ER diagrams to logical schema. • Normalizes a database
57.	11/13 – 11/16	08	• Normalizes a database
58.	11/17	02	• REVISION and UNIT 4 TEST (PREPARED BY TEACHER)
59.	11/20 – 12/08		Grade 13 - 1st TERM TEST

ICT GRADE 13 –YEAR 2017 – TERM 2,3

INDEX NO	DATE	PERIOD	LESSON
60.	01/02 - 01/06	10	<ul style="list-style-type: none"> • Uses a visual web development tool to develop web pages.
61.	01/09 – 01/13	08	<ul style="list-style-type: none"> • OSI seven layer reference model • Basic protocols and Network devices
62.	01/16 -01/20	10	<ul style="list-style-type: none"> • Basic protocols and Network devices • Basic principles of Client-Server computing • Addressing schemes used in networks.
63.	01/23 -01/26	08	<ul style="list-style-type: none"> • Addressing schemes used in networks. • Structured Query Language to create and manage data in a database. • DML Features in SQL
64.	01/27	02	<ul style="list-style-type: none"> • RIVISION and UNIT 02 TEST(PREPARED BY TEACHER)
65.	01/30 – 02/03	10	<ul style="list-style-type: none"> • DML Features in SQL
66.	02/06 – 02/09	08	<ul style="list-style-type: none"> • future directions in computing • fundamentals and applications of Agent Technology.
67.	02/13 – 02/17	10	<ul style="list-style-type: none"> • REVISION
68.	02/20 – 02/23	08	<ul style="list-style-type: none"> • MONTHLY TEST(PREPARED BY TEACHER)
69.	02/27 – 03/03	10	<ul style="list-style-type: none"> • Evolutionary computing • concept of Ubiquitous computing • models of computing
70.	03/06 – 03/10	10	<ul style="list-style-type: none"> • models of computing
71.	03/13 – 03/17	10	<ul style="list-style-type: none"> • REVISION
72.	03/20 – 04/05	2nd TERM TEST	
73.	04/26 – 04/28	06	<ul style="list-style-type: none"> • Searches and sorts data.
74.	05/02 – 05/05	08	<ul style="list-style-type: none"> • Searches and sorts data. • REVISION
75.	05/08 – 05/12	06	<ul style="list-style-type: none"> • Structure and technology of the Internet and World Wide Web.
76.	05/15 – 05/19	10	<ul style="list-style-type: none"> • Vulnerabilities and possible threats & attacks to computer networks. • Introduction to software enabled security.
77.	05/22 – 05/26	10	<ul style="list-style-type: none"> • REVISION AND MOTHLY TEST (PREPARED BY TEACHER)
78.	06/05 – 06/07	06	<ul style="list-style-type: none"> • UNIT 03 TEST (PREPARED BY TEACHER)
79.	06/12 – 06/16	10	<ul style="list-style-type: none"> • Definition of Information Systems. • Full Implementation of the Project Approved in Phase I
80.	06/19 – 06/23	10	<ul style="list-style-type: none"> • Definition of Information Systems. • Full Implementation of the Project Approved in Phase II
81.	06/27 – 06/30	08	<ul style="list-style-type: none"> • MONTHLY TEST (PREPARED BY TEACHER)
82.	07/03 – 07/07	10	<ul style="list-style-type: none"> • RIVISION
83.	07/10 – 07/14	10	<ul style="list-style-type: none"> • RIVISION
84.	07/17 – 07/18	04	<ul style="list-style-type: none"> • RIVISION
85.	07/19 – 08/04	3rd TERM TEST	