

NATIONAL EXAMINATIONS COUNCIL
(NECO)

BASIC EDUCATION CERTIFICATE
EXAMINATION
(BECE)

SYLLABUS

FOR CANDIDATES IN UPPER BASIC
(JSS1-3) IN NIGERIA UNDER THE
UNIVERSAL BASIC EDUCATION (UBE)
PROGRAMME.

BECE

SECOND EDITION

COMPUTER STUDIES/ICT
DETAILED SYLLABUS CONTENT

JSS TWO

1. COMPUTER SOFTWARE

- a) Definition of software:
- b) Types and examples of software:
 - (I) System software (operating system)
 - (II) Application software (word processing, spreadsheet, graphics, etc)

2. OPERATING SYSTEM

- a) What is operating system
- b) Examples of operating system (DOS, Window, Linux and Unix etc.)
- c) Functions of operating system (Resources allocation, monitoring, utilities)

3. UNITS OF STORAGE IN COMPUTER

- a) The units of storage in computer include:
 - I. Nibble
 - II. Byte
 - III. Kilobyte
 - IV. Megabyte
 - V. Gigabyte, etc.

4. COMPUTER PROBLEM SOLVING SKILLS

- a. Computer programmes:
 - (I) Meaning
 - (II) Examples (Logo, BASIC, Fortran, etc)

5. BASIC PROGRAMME

- a) BASIC language:
 - (I) Meaning of BASIC
 - (II) BASIC character set
- b) Key BASIC statements
- c) Simple BASIC statement

6. COMPUTER ETHICS II

- a) Responsible use of computers and Internet
 - I. Avoiding liquid dropping into the system

- II. Using dust cover
- III. Protection from power problem
- IV. Unplugging the system when not in use for long
- V. Check your e-mail regularly
- VI. Give prompt and polite response to mails

b) Abuse/misuse of computers

7. SAFETY MEASURES

a) Safety measures:

- i. The sitting posture using the anti-glare protector
- ii. Positioning of monitor base
- iii. Illuminating the computer room
- iv. Maintaining a dust-free environment
- v. Keep liquids away from computers

8. GRAPHICAL PACKAGES

- a. Meaning of graphical packages
- b. Examples of graphic packages (paint, corel draw, instant artist, auto-card, etc)
- c. Features:
 - I. Tool bar
 - II. Menu bar
 - III. Printable area
 - IV. Colour palette, etc

9. PAINT ENVIRONMENT

- a) The paint:
 - I. Paint environment
 - II. Paint tools and their functions

10. ICT AS A TRANSFORMATIONAL TOOL

- a. Meaning of ICT (Information and Communication Technology).
- b. Examples
 - i. Computers
 - ii. Telephone (GSM)
 - iii. Satellite
 - iv. Cellular
 - v. Network
 - vi. Television

- vii. Internet, etc.
- c. Benefits of ICT gadgets
- d. Disadvantages of ICT

11. ICT GADGETS

- a. The GSM
- b. Fax Machine
- c. Telephone, etc.

12. INTERNET

- a) Definition of terms
 - I. Internet (The largest computer network in the world)
 - II. E-mail address
 - III. World wide web (www)
- b) Internet browser:
 - I) Microsoft internet explorer
 - II) Netscape, mozilla, etc.
- c) Creating e-mail account
- d) Benefits of Internet:
 - i. Information exchanges
 - ii. E-learning
 - iii. E-commerce
 - iv. E-entertainment
 - v. Faster and cheaper
- e) Abuses of Internet:
 - (I) Fraud
 - (II) Pornography, etc.
- f) Examples of search engines:
 - (I) Google.com
 - (II) Mama.com
 - (III) Ask.com, etc.
- g) Uses of search engine