



*Dr. Bhasa Science*

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## A-level ICT

### SENIOR Six term 1

### TOPIC 2/2: Electronic Publication

**Competency:** The learner develops professional electronic publications to convey information and ideas effectively.

#### Electronic Publication

Electronic publication is the **digital production and dissemination of content** rather than printing on paper. It leverages the internet, multimedia tools, and file formats (PDF, EPUB, HTML) to make content accessible globally.

- **Formats:** e-books, online journals, digital magazines, blogs, newsletters.
- **Devices:** computers, tablets, smartphones, e-readers (Kindle, Kobo).
- **Distribution channels:** online bookstores (Amazon Kindle Store, Google Play Books), institutional repositories, and websites.

#### Key Features of Electronic Publication

- **Instant distribution** – content can be published and accessed worldwide immediately.
- **Multimedia integration** – text combined with audio, video, and interactive graphics.
- **Searchability** – digital texts can be searched by keywords.
- **Accessibility** – supports screen readers, adjustable fonts, and translations.
- **Cost efficiency** – reduces printing and shipping expenses.
- **Environmentally friendly** – less paper and ink usage.

## Examples of Electronic Publications

Type	Example	Platform
E-books	Novels, textbooks	Amazon Kindle, Google Play Books
Digital journals	Scientific articles	SpringerLink, Elsevier
Online magazines	Lifestyle, news	Wired, National Geographic digital
Institutional repositories	Academic theses	University digital libraries
Interactive publications	Multimedia reports	Corporate e-reports, e-brochures

### Advantages

- **Global reach** – anyone with internet access can read.
- **Speed** – faster publishing cycles than print.
- **Flexibility** – easy updates and corrections.
- **Interactivity** – hyperlinks, embedded videos, and animations.

### Electronic publication software

Electronic publication software refers to applications used to design and publish **digital content**. It combines text, images, and multimedia into professional layouts that can be distributed electronically.

- **Purpose:** Create e-books, magazines, newsletters, reports, and online catalogs.
- **Formats supported:** PDF, EPUB, MOBI, HTML5.
- **Users:** Authors, publishers, businesses, educators, and organizations.

### Examples Electronic Publication Software

Adobe InDesign, Microsoft Publisher, Pressbooks

### Benefits of Using Publication Software

- (i) **Professional layouts** – polished design for books, reports, and magazines.
- (ii) **Multimedia integration** – add images, audio, video, and hyperlinks.
- (iii) **Accessibility** – supports screen readers, adjustable fonts, and digital formats.
- (iv) **Cost efficiency** – reduces printing and distribution costs.
- (v) **Global reach** – digital publications can be shared instantly worldwide.

### Challenges & Considerations

- (i) **Learning curve** – advanced tools like InDesign require training.
- (ii) **Cost** – professional software can be expensive (Adobe, Quark).

- (iii) **Piracy risks** – digital publications are easier to copy illegally.
- (iv) **Device compatibility** – ensure formats (EPUB, PDF) work across devices.

In short: **Adobe InDesign and QuarkXPress dominate professional publishing, while Canva, Issuu, and FlipHTML5 offer user-friendly online solutions. Free tools like Scribus are great for beginners or budget-conscious users.**

**Task: perform the following numbers for your practice using any desktop Publishing software**

1. Use a Desktop Publisher to design a four-page THANK YOU CARD for your best teacher with the following guidelines
  - (a) Select a blank  $\frac{1}{2}$  A4-Top Fold page size(02marks)
  - (b) **PAGE1:** Use Ward Art features to design the individual characters of the word THANK YOU. (04marks)
    - (i) include relevant *Clip ART* or other images.
    - (ii) Lay out al the content appropriately to form an attractive face page.
  - (c) **PAGE 2:** Use appropriate formatting features to add a two-line text thanking your teacher. The text should be inverted. (03marks)
  - (d) **PAGE 3:** Type a more detailed massage of appreciation to your teacher and format the page appropriately. Include your teacher’s name and sigh off with your name and subject combination. (04marks)
  - (e) Page 4: At the bottom of the page in thin font, type the details of the company which will print the card. (03marks)
  - (f) Insert a header of your name and personal number on page1 and page 4 of the card. (02marks)
  - (g) Save and make a print out of your card. (02marks)
2. Use Desktop publishing software to prepare a brochure for JK Computer Centre with the following details:

Company Name	JK Computer Center
Motto	computer skills for better standards
Location	Seventh Street, Jinja Road
Address	P. O. Box 23, Kampala

Telephone Contacts            0773 458098, 0712 070797, 0707587473

E-mail                            [jkcomputercenter@gmail.com](mailto:jkcomputercenter@gmail.com)

Website                         <http://www.jkcomputer>

**Introduction:** JK Computer Center is a home of computer services and accessories. We have customer centered service provider. Please come and enjoy our excellent services.

**Service offered:** internet service, printing, photocopying, scanning, binding, mobile money, computer and phone repair, computer and phone accessories, airtime selling. Telecommunication services, Report writing, Typing and computer lessons.

- (a) Divide each page into three panels (03marks)
  - (b) Enter the given detail in suitable panels (08marks)
  - (c) Use appropriate images, fonts and background in the brochure (06marks)
  - (d) Add your names and personal number as footer. (01mark)
  - (e) Save your brochure as your name and personal number. (01marks)
  - (f) Print your work. (01marks)
3. (a) Using a publishing software, design a certificate of merit to be awarded to participants in a debating competition. The motion of the debate is **The Teaching of ICT has brought more positive effects than negative effects**. Save your work as your name and personal number. (02marks)
- (b) Set the dimensions of the certificate to width 11inches and height 8.5 inches. (02marks)
  - (c) Provide an appropriate title and apply *WordArt* in the title. (03marks)
  - (d) (i) Use relevant content of a certificate and also include the motion of the debate. (05 marks)
  - (ii) Include your name as the recipient of the certificate. (01marks)
  - (e) Insert any picture as a logo. (02marks)
  - (f) Use a suitable background for your certificate. (02marks)
  - (g) Apply a border to enclose your certificate. (02marks)
  - (h) Save and print your certificate as your name. (01marks)
4. As an ICT student, you are required to use suitable publication software and design a four cover for the magazine called *Agriculture for better* as follows:
- (a) Use appropriate layout, paper balance, font variation and relevant pictures. Save it as your name and personal numbers. (10 marks)

- (b) Insert a clip to represent the writer at the bottom of the cover. (02 marks)
  - (c) Use your name as the author of the magazine. (01 marks)
  - (d) Insert automatic current date to appear as the date of publication. (02marks)
  - (e) Apply suitable background for the cover. (03 marks)
  - (f) Insert your name and personal number as a header
  - (g) Save and print your work. (01 mark)
5. Nalongo Secondary School is preparing to host old student for annual feast on 17<sup>th</sup> December 2016 at the school. You as the Genera Secretary of the Old Students' Association, you are required to design an **Individual card** for the Old students.
- (a) Use suitable Publishing software to design the card and include the following signatories at the bottom: (10marks)
    - (i) Head teacher
    - (ii) Chairperson
    - (iii) General Secretary (type your name)
  - (b) Include on the card any picture as appropriate logo (03marks)
  - (c) Insert attractive border art on the card (02marks)
  - (d) Produce 3 copies of the card which can fit on the same page. (02 marks)
  - (e) Save your work as your name and personal number. (02marks)
- (f) Print your work. (01 mark)

**Thank You**

**Dr. Bbosa Science**