

Preamble

Computer Studies (402/1, 2)

The Examinations Council of Zambia has developed specimen papers for Computer Studies at Grade 9 level in line with the revised Junior Secondary School curriculum of 2013 developed by Curriculum Development Centre (CDC) of the Ministry of Education, Science, Vocational Training and Early Education (MESVTEE).

The purpose of the specimen papers is to guide the teachers and would be candidates on the design and content of the Grade 9 Computer Studies examination which will begin to be administered in 2015 examination session.

Assessment Objectives

The purpose of the Grade 9 Computer Studies examination is to test candidates' ability to perform basic application functions of a computer and their understanding of the general theory behind the computer systems and associated hardware devices and their use in everyday life.

The Grade 9 examination will assess candidates' performance against the following four (4) Assessment Objectives.

- 1 Knowledge and Understanding of computer systems.
- 2 Practical abilities
- 3 Analytical skills of interpreting data from various productivity tools.
- 4 Synthesis and evaluation skills of using a computer in designing or revising a given situation.

Test Design

The Grade 9 examination will consist of two papers; Computer Studies Paper 1 Theory (402/1) and Computer Studies Paper 2 (402/2) Practical. The number of questions and weighting is summarised below;

Component	Paper Type	No. of Questions	Weighting	Time Allowance
402/1	Theory	34	60%	1 hour 30 minutes
402/2	Practical	2	40%	1 hour 30 minutes
Total			100%	

Equipment

Candidates will be required to answer questions in Computer Studies Paper 2 (402/2) using a computer that has Microsoft Office 2007 or Microsoft Office 2010 or higher. The minimum operating system will be assumed to be any version of Windows 7. Individual work done by candidates will be printed on hard copy and work for all candidates will be saved on one non-re-writable Compact Disk (CD) to be submitted for marking.



EXAMINATIONS COUNCIL OF ZAMBIA
JUNIOR SECONDARY SCHOOL LEAVING EXAMINATION (GRADE 9) – 2014

COMPUTER STUDIES 402/1
PAPER 1
(SPECIMEN)

(INTERNAL & EXTERNAL CANDIDATES)

TIME: ONE AND HALF HOURS (1½)

MARK: 60

INSTRUCTIONS TO CANDIDATES

- 1 Pull out the **Answer Booklet** from the question paper.
- 2 Write your name, examination number and school/centre name on the **Answer Booklet**.
- 3 There are **three (3)** sections in this question paper, Section A, B and C.
- 4 Answer all the questions in all **three (3)** sections. Write all your answers in the **Answer Booklet** provided.
- 5 In Section A, for each question, **four (4)** suggested answers are given A, B, C and D. Choose the best answer and show it in the **Answer Booklet** by marking it with a cross (X).

For example if the answer is D

A	B	C	X D
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INFORMATION FOR CANDIDATES

Cell phones are not allowed in the examination room.

DO NOT TURN THIS PAGE UNTIL YOU ARE TOLD TO DO SO.

Section A [15 marks]

- 1 A computer is . . .
 - A an electronic machine found in an office.
 - B an electronic device which is useful.
 - C an electronic device used to input, process, output and store data.
 - D An electronic machine which is more intelligent than a human being.
- 2 Which of the following is **not** an output device?
 - A Monitor
 - B Printer
 - C Projector
 - D Scanner
- 3 Repetitive Strain Injury (RSI) can be increased by the use of a . . .
 - A digital camera.
 - B keyboard.
 - C modem.
 - D printer.
- 4 Why is it important to install antivirus software on a computer?
 - A To protect computers from thieves
 - B To protect user's information from unauthorised people
 - C To protect computers from malicious programs which may delete or change information.
 - D To protect computers from being damaged due to power failure.
- 5 . . . is equal to 1 024 kilobytes.
 - A Bit
 - B Gigabyte
 - C Megabyte
 - D Terabyte
- 6 Which of the following terms describe the physical parts of a computer?
 - A Software
 - B Malware
 - C Hardware
 - D Discware
- 7 . . . is a computer presentation that combines text, sound, animations, video and graphics.
 - A Composite
 - B Compound
 - C Multimedia
 - D Multimix

- 8 Why is it important to use an Uninterruptible Power Supply (UPS) on a computer?
- A It makes the computer fast
 - B It backs up files
 - C It allows for saving of important work when there is a power failure
 - D It allows for deleting of unnecessary files and folders.
- 9 ROM stands for . . .
- A Reading Of Memory.
 - B Read Only Memory.
 - C Reading Over Memory.
 - D Read On Memory.
- 10 A . . . is a device that can be used for both input and output.
- A touch screen
 - B mouse
 - C keyboard
 - D joystick
- 11 A software that can be downloaded without paying for it is called . . .
- A freeware.
 - B open source.
 - C proprietary.
 - D shareware.
- 12 How can a computer user put a picture on the Internet?
- A Uploading
 - B Surfing
 - C Downloading
 - D Browsing
- 13 A grade 8 pupil accidentally deleted a file on a computer. Where can it be restored from?
- A Task bar
 - B Recycle bin
 - C My document
 - D Menu bar
- 14 Which of the following is the correct order of moving a sentence from one position to another in a document?
- A Copy and paste
 - B Cut and paste
 - C Paste and copy
 - D Paste and cut
- 15 . . . is a device used to mark shaded multiple choice answers on answer cards.
- A Barcode Reader
 - B Magnetic Mark Reader
 - C Magnetic Ink Mark Reader
 - D Optical Mark Reader

SECTION B [20 MARKS]

There are fifteen (15) questions in this section.

Answer all the questions in this section by using one word or a short phrase.

Write all your answers in the Answer Booklet provided.

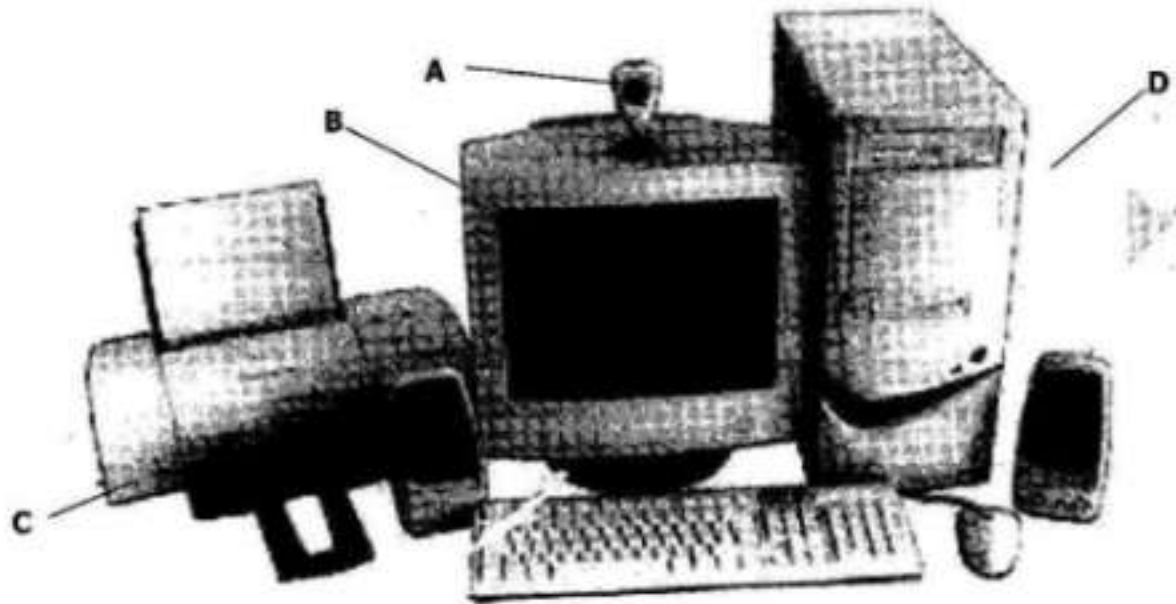
16. A . . . is an input device that can be used to input sound into a computer. [1]
17. To increase space on a computer, unwanted files and folders must be . . . [1]
18. If a computer is becoming very slow, it may be . . . [1]
19. . . . and Digital Versatile Disks (DVDs) are called optical media because . . . is used to read data from them. [2]
20. Two devices that can produce softcopy output are . . . and . . . [2]
21. The buying and selling of goods and services through the internet is called . . . [1]
22. The box where data is entered in a spreadsheet is called a . . . [1]
23. . . . makes a presentation graphic to be moving when played. [1]
24. . . . is the term used to refer to the process of starting up a computer. [1]
25. The type of software that is used to handle specific tasks on a computer is called . . . [1]
26. . . . is the connecting of two or more computers so that they are able to . . . data, information and resources. [2]
27. Random Access Memory (RAM) can lose its . . . when power is switched off because it is . . . [2]
28. Two devices that can be used to connect a computer to the internet are . . . and . . . [2]
29. It is important to . . . work in order to prevent loss of data when working on a computer. [1]
30. A printed page can be electronically transmitted from one office to another by . . . [1]

SECTION C [25 MARKS]

There are four (4) questions in this section.

Answer all the questions in the Answer Booklet provided.

31. Study the diagram of a computer system below.



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- (a) Explain briefly how the device labelled A can be used on the computer system. [2]
 - (b) Give the type of outputs that are produced by device B and device C. [2]
 - (c) If part D is not responding to commands, explain two ways of resolving this problem. [2]
32. (a) State **two** differences between a Local Area Network (LAN) and a Wide Area Network (WAN). [2]
- (b) Give **two** advantages that a wireless network has over a wired network. [2]
 - (c) Give **two** reasons why it is advisable to avoid downloading any free software from the internet? [2]
 - (d) What program in an internet browser is used to search for information? [1]
 - (e) Why is downloading of information from a website sometimes slow? [1]

33. The diagram below shows a log-in screen on a network. To gain access to the network the user ID and password must be entered.

User ID*	
Password*	
Log on	
Log on problems? Get support	

- (a) What is a password? [2]
- (b) What would happen if a wrong password is entered more than the maximum number of times allowed? [1]
- (c) Why is it **not** a good idea to keep using the same password for a long time? [1]
- (d) Give **two** physical ways of protecting computer systems. [2]
34. (a) Give **two** negative social effects of using computers. [2]
- (b) Use of computers can lead to a number of health problems.
State **one** way of preventing each of the following:-
- (i) Backache, [1]
- (ii) Eyestrain, [1]
- (iii) Electric shock. [1]