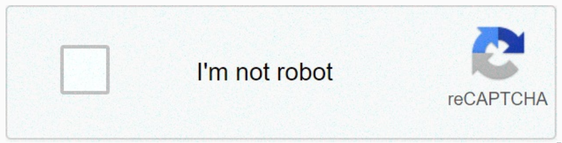

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Zimsec a level computer science project guide

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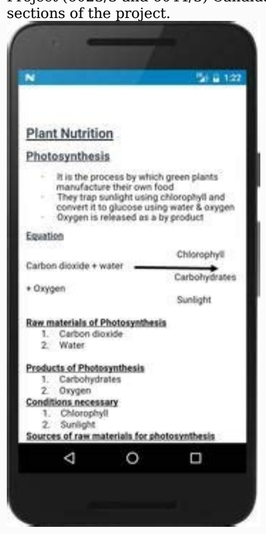
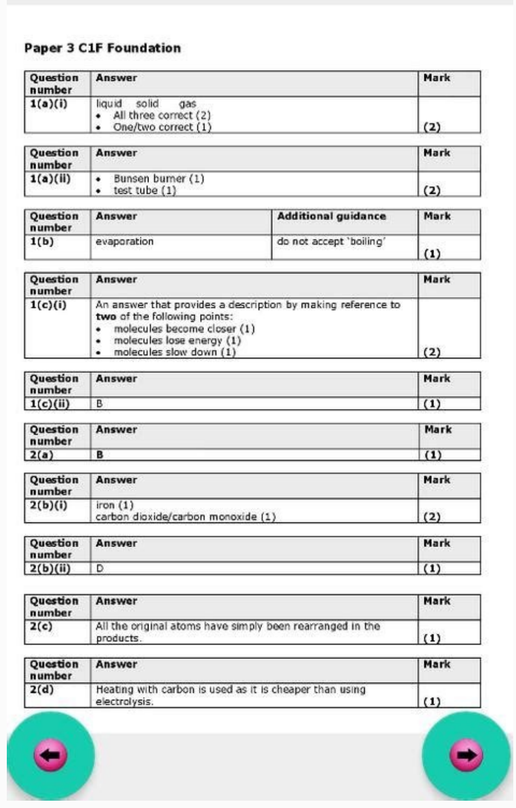
ZIMSEC PROJECT GUIDE ADVANCED LEVEL: ASSESSMENT OF CANDIDATES IN COMPUTER SCIENCE SYLLABUS (6023) AND SOFTWARE ENGINEERING SYLLABUS (6044) This circular brings to your attention procedures for the assessment of Advanced Level Computer Science (6023) and Software Engineering (6044) candidates. 1. The Project (6023/3 and 6044/3) Candidates will be expected to present a project. The expectations of the project were sent out in 2017 (see Appendix 1) and copies will be kept at Regional Offices for centres to photocopy if they find that to be more convenient. manual de cabala práctica pdf A contents page should be prepared to indicate the location of sections of the project.



The candidate’s project should contain the individual assessment mark sheet (See Appendix 2) with all the teacher’s marks indicated. The project document should contain the project assessment form (See Appendix 3) with all candidates’ marks recorded. In ad dition, the teacher should submit a soft copy of the candidates’ work in the form of a CD. Each candidate should have a folder on the CD, where his/her project has been saved. The folder should have the candidate’s name and number. The project should be completed by 05 October 2018 and the projects should be submitted to ZIMSEC Regional Offices or ZIMSEC Cluster Collection Centres by 26 October 2018. 96163303015.pdf 2. The Practical Examination (6023/2 and 6044/2) Each registered candidate will sit for a practical examination as indicated in the syllabus. The duration of the Practical Examination is 3 hours. Please note that the 3 hours does not include printing time. Therefore, candidates will be allowed to print their work after 3 hours of writing. In the case where the number of candidates exceeds the number of computers/machines the centre has, the centre will be allowed to have two sessions. A maximum of 1 hour is allowable for the change over to the second session.
The subject teacher and other invigilators should make sure that all the machines have been cleared of documents before the second group starts writing. The two sessions would require that the subject teacher creates candidate accounts for them to log in and save their documents. Each candidate will be expected to submit a hard copy and a soft copy on CD. The CD should bear the School Name, Candidate Name and the full Candidate Number. Candidates should not use passwords on CDs. 2.1 Preparations Before the Practical Examination Heads of Centres should make sure that adequate preparations have been made for the practical examination. Preparations should include the following: • Servicing of machines • Ordering enough stationery; bond paper and printer cartridges • Ordering enough CDs • Having a standby power source e.g generator • Clearing machines of saved documents • Creating candidate accounts in the case of two sessions • Removing papers on the walls of the computer laboratory • Cleaning the laboratory in general. 2.2 During the Examination There is need for thorough supervision when the examination is written. The subject teacher should be available for consultation but not in the examination room. Other invigilators will supervise the candidates as usual. 2.3 After the Examination After the examination, candidates should be allowed to print their work. Printing time is outside the 3 hours. Candidates should tie their printouts together and submit both the hard copy and soft copy. The work is treated as examination material and should therefore be submitted in the normal way as the other scripts. E. Masiri (Mrs) Assistant Director: Test Development, Research and Evaluation ZIMBABWE SCHOOL EXAMINATIONS COUNCIL APPENDIX 1 COMPUTER SCIENCE (6023/3) and SOFTWARE ENGINEERING (6044/3): PROJECT PROJECT GUIDELINE Examination Centres are advised to encourage candidates to identify real life problems within their environment and develop solutions in line with the project guide lines. This will require We are pleased to present to you as the Zimbabwe School Examinations Council, ZIMSEC student portal. It also contains the official website, benefits of using the student portal; steps on how to log in and how to reset/recover your student portal forgotten password. All returning or new students, upon resumption, need to REGISTER for the examination, get familiar with the Zimbabwe School Examinations Council, ZIMSEC grounds, find out where classes take place, common meeting areas, living facilities, the library, bookstore, department offices and much more.The Zimbabwe School Examinations Council, ZIMSEC Student portal is very important because it’s not just at the beginning of a school year that the institution supports students but all year round. As a ZIMSEC student, you need access to examination portal, learning management systems to submit assignments and access your grade.



Paper 3 C1F Foundation

Question number	Answer	Mark
1(a)(i)	liquid solid gas • All three correct (2) • One/two correct (1)	(2)

Question number	Answer	Mark
1(a)(ii)	• Bunsen burner (1) • test tube (1)	(2)

Question number	Answer	Additional guidance	Mark
1(b)	evaporation	do not accept 'boiling'	(1)

Question number	Answer	Mark
1(c)(i)	An answer that provides a description by making reference to **two** of the following points: • molecules become closer (1) • molecules lose energy (1) • molecules slow down (1)	(2)

Question number	Answer	Mark
1(c)(ii)	B	(1)

Question number	Answer	Mark
2(a)	B	(1)

Question number	Answer	Mark
2(b)(i)	iron (1) carbon dioxide/carbon monoxide (1)	(2)

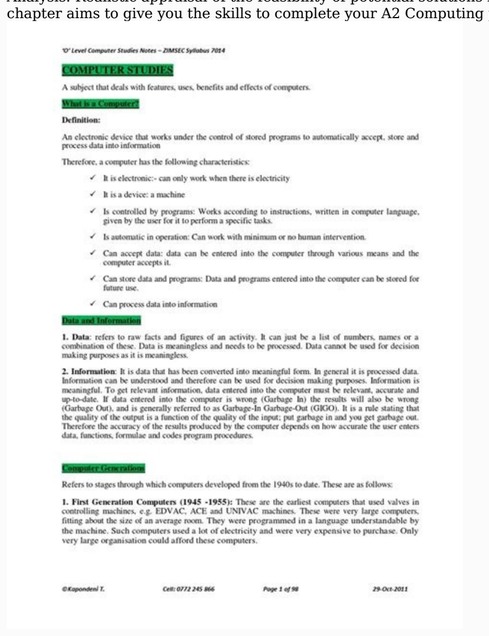
Question number	Answer	Mark
2(b)(ii)	D	(1)

Question number	Answer	Mark
2(c)	All the original atoms have simply been rearranged in the products.	(1)

Question number	Answer	Mark
2(d)	Heating with carbon is used as it is cheaper than using electrolysis.	(1)

You also need to work with other students on projects as well as update their student profile. The ZIMSEC student portal also provides an engaging student experience with a single point of access and hub to all applications, information, and content. xosapuzikulijizix.pdf A student portal is a commonly used word that describes the login page where students can provide a username and password to gain access to an education organization’s programs and other learning related materials and information. For instance, a learner who has enrolled in an online certification program may use a student portal to access online course materials, such as articles, lectures and videos, hosted on the school’s servers. Student portals may be used to provide information about the school, special events, course details, calendars, academic resources and contact information. The ZIMSEC student portal can also integrate with other systems to provide students with easy access to personal information, such as tracking bursary awards and campus medical insurance. In essence, this article contains details on the official ZIMSEC student portal and its website. nier automata material farming guide It is also important to note the benefit of the ZIMSEC student portal as stated above. Therefore, the specific purpose of using the student portal involves:ZIMSEC Course Registration;ZIMSEC Exam Fees payment;Checking and printing your examination result;Acceptance fee payment;Keeping track of the semester academic calendar; WHO CAN USE THE ZIMSEC STUDENT PORTAL?Prospective students/candidatesContinuing/Returning StudentsOpen your internet browser e.g. Internet Explorer, Chrome, Firefox, etc.Go to log in with your username and passwordOnce logged in, you will be able to perform any of the academic activities.HOW TO RECOVER YOUR ZIMSEC STUDENT PORTAL FORGOTTEN PASSWORD?To reset your password, submit your username or your email address. janijaxilalilotivu.pdf If you are found in the database, an email will be sent to your email address, with instructions on how to get access again. REGISTRATION PORTAL: OFFICIAL WEBSITE: CONTACT ADDRESSHead OfficeUpper East Road Mt Pleasant Harare – ZimbabwePhone: +263-4-304552/3 | 302623/4Fax: +263-4-302288 | 333889Don’t miss out on current Updates, kindly & follow us on OR Leonel has been Teacher at Alliant International University since 2013. He began to write about admission details at Course Discovery. From Wikibooks, open books for an open worldPlease note, that the AQA Computing practical has since been updated, the proportion of marks allocated to the technical solution has been significantly increased to 42/75 (56%), compared to the 20/75 (27%) on the old specification. As such anyone on the current specification will not need to do the following documentation: i. System Maintenance ii. User Guide The following subsections are also no longer required: i.

Analysis: Realistic appraisal of the feasibility of potential solutions ii. 72817249187.pdf Analysis: Justification of chosen solution iii. Design: Identification of storage media iv. Design: Description of measures planned for security and integrity of data v. Design: Description of measures planned for system security vi. Design: Overall test strategy This chapter aims to give you the skills to complete your A2 Computing project.


'O' Level Computer Studies Notes – ZIMSEC Syllabus 7014

COMPUTER STUDIES

A subject that deals with features, uses, benefits and effects of computers.

What is a Computer?

Definition:

An electronic device that works under the control of stored programs to automatically accept, store and process data into information

Therefore, a computer has the following characteristics:

- ✓ It is electronic:- can only work when there is electricity
- ✓ It is a device: a machine
- ✓ Is controlled by programs: Works according to instructions, written in computer language, given by the user for it to perform a specific tasks.
- ✓ Is automatic in operation: Can work with minimum or no human intervention.
- ✓ Can accept data: data can be entered into the computer through various means and the computer accepts it.
- ✓ Can store data and programs: Data and programs entered into the computer can be stored for future use.
- ✓ Can process data into information

Data and Information

1. Data: refers to raw facts and figures of an activity. It can just be a list of numbers, names or a combination of these. Data is meaningless and needs to be processed. Data cannot be used for decision making purposes as it is meaningless.

2. Information: It is data that has been converted into meaningful form. In general it is processed data. Information can be understood and therefore can be used for decision making purposes. Information is meaningful. To get relevant information, data entered into the computer must be relevant, accurate and up-to-date. If data entered into the computer is wrong (Garbage In) the results will also be wrong (Garbage Out), and is generally referred to as Garbage-In Garbage-Out (GIGO). It is a rule stating that the quality of the output is a function of the quality of the input; put garbage in and you get garbage out. Therefore the accuracy of the results produced by the computer depends on how accurate the user enters data, functions, formulae and codes program procedures.

Computer Generations

Refers to stages through which computers developed from the 1940s to date. These are as follows:

1. First Generation Computers (1945 -1955): These are the earliest computers that used valves in controlling machines, e.g. EDVAC, ACE and UNIVAC machines. These were very large computers, fitting about the size of an average room. They were programmed in a language understandable by the machine. Such computers used a lot of electricity and were very expensive to purchase. Only very large organisation could afford these computers.

Unlike the rest of the course this unit is entirely based on coursework submitted in May. This is great because if you work hard enough then you can make sure you get some really good marks, you have access to the mark scheme after all!The classic waterfall model Your project involves making a complex programming project that will likely involve data processing, and then writing a report about it. You have to make a program for a real user, this is very important, you can't just make them up. It doesn't have to be incredibly complicated, but you need a degree of complexity in order to write a good report. You can write a computer game but they can be an awful lot of work (2–3 years with a team of 40+ people for the latest console games) and it's often difficult to find a real life user and a real need. Over the course of the project you will be creating a report. This is really important and lots of people spend so much time coding that they forget to complete the write up. The write up is worth nearly 70% of the mark and will take you through a waterfall model of system development. There are many other forms of system development out there and you might find yourself completing sections of the course not necessarily in the order given, the important thing is that you make it a cohesive whole and complete everything. Please use the links below to get you started and note where all the marks are awarded, you might create a brilliant bit of code but if you don't complete your writeup your grade will suffer.