



# VIVA COLLEGE SCHOOL

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**HOLIDAY WORK TERM ONE, 2019**

Academics dept.

**SENIOR THREE**

27<sup>th</sup> April, 2019

SUBJECT	CHALLENGE	MKS
<b>INSTRUCTIONS</b>		
<ol style="list-style-type: none"> <li>For classes 1 to 2 all questions in all subjects are compulsory thus attempt all questions</li> <li>For senior 3 students, please attempt all questions for the compulsory subjects and only those for your options</li> <li>For senior 5 students, please attempt all questions in your subject combination</li> <li>For better marks, you must present and explain thoroughly well all the attempted challenges</li> <li>For each of your study subject done, it must be put in a separate 96 exercise book (its ok to use the previous books)</li> <li>Holiday work must be done before reporting back to school and the respective class teacher shall receive your work on reporting</li> </ol>		
ENGLISH	<ol style="list-style-type: none"> <li>Write a composition of 500-600 words beginning: "Open the door, it's the police.....".</li> </ol> <p>Rewrite the following sentences as instructed without changing their meaning.</p> <ol style="list-style-type: none"> <li><i>I shall never make that mistake again. (Begin: Never.....)</i></li> <li><i>Such a big crowd has rarely been seen here. (Begin: Rarely.....)</i></li> <li><i>I have some proof. I will handle that case.(Join into one sentence using since)</i></li> <li><i>The increasing unemployment is as a result of the economic crisis.(Rewrite using due to)</i></li> <li><i>It's time for us to stop complaining. (Begin: It's high time.....)</i></li> <li><i>My teacher says that I am likely to pass my Exams highly. I have confidence in her. (Use.....whom.....)</i></li> <li><i>What will they drink? They will still be thirsty. (Begin: Whatever.....)</i></li> <li><i>I sat in the house trembling after a strange noise .I was silent with fear. (Begin: Silent.....)</i></li> <li><i>I prefer starving to stealing. (Begin: I'd rather.....)</i></li> <li><i>Nobody doubted that he was a great doctor.(Use convinced)</i></li> </ol>	<p>20mks</p> <p>10mks</p>
LITERATURE	<p>SECTION A ( THE ALIEN WOMAN- LAURY OCEN)</p> <ol style="list-style-type: none"> <li>Do you agree or disagree to the view that Margret Nagawa's suffering is self made? Pay close attention to the examples in the novel. (20marks)</li> <li>Discuss the major themes in the novel The Alien Woman (20marks)</li> </ol>	40mks
FRENCH	Refer to the French holiday work separate sheet	
MATHEMATICS	<p>The diagram above shows a right pyramid on a rectangular base in which AB=16cm, BC=12cm Given that each of the slanting side is 26cm. calculate;</p> <ol style="list-style-type: none"> <li>The height of the pyramid</li> <li>The angle which the line AV make with the base ABCD.</li> <li>The angle between the planes ABV and VDC.</li> <li>The volume of the pyramid.</li> </ol>	20mks
CHEMISTRY	<ol style="list-style-type: none"> <li> <ol style="list-style-type: none"> <li>State one pair of reagents that can be used to prepare hydrogen gas in the laboratory.</li> <li>Draw a well labelled set up of apparatus that can be used to prepare a dry sample of hydrogen gas from the pair of reagents named in (a) above</li> <li>Write the equation for the reaction between the reagents named (a) above to produce hydrogen gas</li> <li>State the chemical test for hydrogen gas.</li> </ol> </li> <li>Hydrogen gas was passed over heated copper (ii) oxide           <ol style="list-style-type: none"> <li>State what was observed ii) Write the equation for the reaction that took place</li> <li>Name the property of hydrogen shown in this reaction</li> </ol> </li> <li>State three uses of hydrogen gas</li> </ol>	30mks
BIOLOGY	<ol style="list-style-type: none"> <li> <ol style="list-style-type: none"> <li>What is a respiratory substrate (02 marks)</li> <li>Describe an experiment to show that heat is produced during respiration in germinating seeds (13 marks)</li> </ol> </li> <li>Compare photosynthesis and respiration (15 marks)</li> <li> <ol style="list-style-type: none"> <li>give similarities and differences between respiratory system of fish and that of mammals (06marks )</li> <li>Explain what happens to the concentration of gases surrounding cells of a leaf when the process of photosynthesis starts (5 marks)</li> <li>Explain why plants and animals have a gas relationship. (04 mark)</li> </ol> </li> </ol>	45mks
PHYSICS	<ol style="list-style-type: none"> <li>State three modes of heat transfer</li> <li>The fundamental interval of a thermometer is 192 mm. Find the temperature when the length of the mercury thread is 67.2 mm from the ice point.</li> <li>Explain why the sea remains cooler than land during daytime and warmer than land at night</li> <li>Draw a well labeled diagram of vacuum flask and explain how it minimizes heat losses.</li> <li>With aid of a labeled diagram explain how upper fixed point of a thermometer can be determined</li> </ol>	25mks

SUBJECT	CHALLENGE	MKS
COMMERCE	(a) Differentiate between a commercial bank and a <b>central bank</b> (04 marks) (b) Give four main functions of money (08 marks) (c) List qualities of good money (08 marks)	20 mks
HISTORY	<i>East Africa</i> 1 (a) Explain the factors that led to the construction of the <b>Uganda railway</b> ? 13 marks (b) What were the effects of the construction of the Uganda railway on East Africa? 12 marks <i>South Africa</i> 1. (a) Why were the Dutch interested in the <b>cape colony</b> from <b>1652</b> onwards? (13marks) (b) Explain the problems faced by the <b>Dutch settlers</b> at the cape. (12marks)	50mks
AGRICULTURE	1. (a) Explain the factors that affect <b>productivity</b> of farm animals. (20 marks) (b) Why is <b>artificial insemination</b> important in animal breeding? (20 marks) (c) Give reasons why it is advisable to <b>castrate</b> bull calves. (10 marks)	50mks
GEOGRAPHY	<i>Geography paper one</i> 1. With aid of a diagram, describe the formation of the following (a) <b>Extrusive volcanic</b> features. Volcanoes, craters and calderas, lava plateau.(15 marks) (b) <b>Intrusive features</b> : batholiths, dykes, sills, laccoliths, lapoliths.(15 marks) <i>Geography paper two</i> (a) Draw a sketchmap of gold fields of Republic of South Africa and on it mark and name; (i) Gold mining centres: Klerksdorp Heidelberg and Krugersdorp. (ii) Cities Pretoria and Johannesburg (iii) States: Transvaal and Orange Free State (iii) River Vaal. (9 marks) (b) Describe the method of mining gold in the land of Republic of South Africa. (5marks) (c) Explain the problems facing gold mining in the Republic of South Africa.(8 marks) (d) Outline the steps being taken to promote the mining sector in Republic of South Africa. (3 marks)	50mks
IRE	Q1. Make a research about the following questions (a) How did mecca fall into the hands of the Muslims in 630 AD (b) Explain the merits of the above events towards Islam.	20mks
FINE ART	In good calligraphic handwriting, write down the following text using a well decorated border. Keep in mind Creativity; originality and use of relevant illustrations are key for any design process. <b>Whatsoever things are true, whatsoever things are honest, whatsoever things are just, whatsoever things are pure, whatsoever things are lovely, whatsoever things are of good report; if there be any virtue, and if there be any praise, think on these things.</b>	40mks
SWAHILI	Tumia viunganishi hivi kutunga sentensi mbili kwa kila kiunganishi na kuzitafsiri kwa Kingereza (a ) Kwahiyo (b) Lakini (c) Ingawa (d) Pia (e) Ili	20mks
COMPUTER	1. (a) Define the term network topology (2 marks) (b) Explain the various types of network topology clearly illustrating using diagrams and stating three advantages and disadvantages of each. (18 marks)	20mks
CRE	11 (a) Give the sources of happiness in Uganda today? 10 marks (b) With examples give the causes of unhappiness in the old testament? 10 marks	20mks

### Assessment Percentage rank for term two, 2019

Report	Holiday work	Mid-term exam	End of term exam	TOTAL MARK
Mid-term report	20%	80%	.....	100%
End of term report	10%	30%	60%	100%

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