



# VIVA COLLEGE SCHOOL

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**HOLIDAY WORK TERM ONE, 2019**  
GREAT MINDS SHAPE THE WORLD

Academics  
dept.  
27<sup>th</sup> April, 2019

## SENIOR ONE

SUBJECT	CHALLENGE	MKS																																	
<b>INSTRUCTIONS</b>																																			
1. For classes 1 to 2 all questions in all subjects are compulsory thus attempt all questions 2. For senior 3 students, please attempt all questions for the compulsory subjects and only those for your options 3. For senior 5 students, please attempt all questions in your subject combination 4. For better marks, you must present and explain thoroughly well all the attempted challenges 5. For each of your study subject done, it must be put in a separate 96 exercise book (its ok to use the previous books) 6. Holiday work must be done before reporting back to school and the respective class teacher shall receive your work on reporting																																			
ENGLISH	Narrate your experience in viva College School.	20mks																																	
LITERATURE	Write a poem titled " <i>MOTHER</i> " having 3 stanzas and 14 lines.	20mks																																	
FRENCH	Search the internet and find the nationalities of the male and female people in French <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>country</th> <th>Rwanda</th> <th>Tanzanie</th> <th>Senegal</th> <th>Chine</th> <th>Iran</th> <th>Angleterre</th> <th>Canada</th> <th>Amerique</th> <th>Brazil</th> <th>Benin</th> </tr> </thead> <tbody> <tr> <td>Male</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Female</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	country	Rwanda	Tanzanie	Senegal	Chine	Iran	Angleterre	Canada	Amerique	Brazil	Benin	Male											Female											20mks
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MATHEMATICS	1. (a) Find the <i>highest common factor</i> of <b>36, 48</b> and <b>72</b> . (b) Arrange in descending order $\frac{2}{3}, \frac{1}{4}, \frac{1}{5}, \frac{2}{5}$ 2. Express <b>112</b> <sub>three</sub> to binary base 3. Calculate: (i). $32_{\text{six}} + 24_{\text{six}}$ (ii). $312_{\text{four}} - 33_{\text{four}}$ 4. Use a <b>number line</b> to find the value of (a) $+6(+4)$ (b) $-3 - (+5)$ 5. using a <b>numberline</b> show $-3 < y < 3$ and hence state the solution state 6. Given that $54_{\text{seven}} = 43_n$ , find the value of <b>n</b> . 7. (a). Express 360 as a product of its prime factors. 8. Solve for x : (a). $2x - 5 = 4x - 11$ . 9. If $m * n = 3m - n^2$ , evaluate :(i) $2 * 1$ . (ii) $-5 * -3$ 10. Rewrite the recurring decimal 0.2333..... into a fraction.	40mks																																	
CHEMISTRY	1. (a) What is meant by the following terms (i) <i>Brownian motion</i> (ii) <i>diffusion</i> (b) Obtain clean water and pour into a clean colorless glass to half full. Add one tea spoon and leave to stand for 3 hours without any disturbance. (i) State what you observed after 3 hours. (ii) What was this experiment demonstrating? (c) What process occurred in (b) above (d) (i) suggest what would be observed if hot water was used. (ii) Give a reason for your answer in d(i) 2. (a) Give any 3 differences between chemical change and physical change (b) For each of the following processes, state whether it is <i>physical</i> or <i>chemical</i> change (i) melting of wax (ii) burning of magnesium metal in air (iii) rotting of dead animal (iv) Burning of iodine crystals (v) rusting of iron metals (c) Apart from the processes given in (b) above, give any 3 other examples of processes which are (i) <i>physical</i> changes (ii) <i>chemical</i> changes	30mks																																	
BIOLOGY	1. (a) Define the following terms as used in <b>taxonomy</b> (06 marks) (i) Taxon (ii) Binomial nomenclature (iii) Classification (b) Give four reasons why <b>classification</b> of living things is important (04) 2. (a) With examples, give the economic importance of bacteria (15 marks) (b) Explain why <b>bacteria</b> are abundant in nature (05 marks)	30mks																																	
PHYSICS	(a) Define <b>density</b> and state its S.I unit. (b) The following readings were recorded when measuring the <b>density</b> of a stone. Mass of stone = 25g, Volume of water = 25cm <sup>3</sup> Volume of water and stone = 35cm <sup>3</sup> What is the density of the <b>stone</b> ? (c) Define the following terms (i) <b>Fundamental quantities</b> (ii) <b>Derived quantities</b> (iii) <b>Volume</b> (d) List any five examples of fundamental and derived quantities. (e) Calculate the <b>volume</b> of a sphere of diameter 4cm. (f) A good laboratory has a <b>fire extinguisher</b> and a first aid kit state all items that make up first aid kit.	30mks																																	

SUBJECT	CHALLENGE	MKS
COMMERCE	1. Differentiate between <i>specialization</i> and <i>division of labour</i> . (4 marks) 2. Explain the advantages and disadvantages of specialization. (16 mark)	20mks
HISTORY	1. (a) What factors led to the development of the <i>coastal towns</i> by 1500AD?: (12MARKS) (b) Explain the factors which led to the collapse of such coastal towns. (13 marks)	25mks
AGRICULTURE	1. (a) Give the meaning of the term <b>soil</b> and mention any 5 of its <i>components</i> ? (10 marks) (b) Explain 10 ways how the <i>fertility</i> of the soil can be <b>lost</b> . (20 marks) (c) Describe <b>10 methods</b> that can be used to <b>improve soil productivity</b> . (20 marks)	40mks
GEOGRAPHY	1. Draw a sketchmap of New York and on it mark and label (a) Rivers: <i>East</i> and <i>Hudson</i> (b) Islands: <i>Manhattan</i> and <i>staten</i> (c) <i>Atlantic</i> ocean (d) Airports: JF Kennedy, Languardia (e) Describe the physical factors which have favoured the development of <i>New York Port</i> .	40mks
IRE	Q1. Make research and find out: (a) How a congregational prayer is performed. (b) Give characteristics of <i>Juma prayer</i> .	20mks
FINE ART	<b>Senior 1: The Principles of Art and Design</b> (these are the guidelines which artists use to arrange and organise the <i>Elements</i> of art to produce any work of art). They include the following; <u>Balance</u> , <u>Proportions</u> , <u>Dominance</u> , <u>Rhythm</u> / <u>Movement</u> , <u>Unity/ Harmony</u> , <u>Emphasis</u> , <u>Contrast</u> , <u>Variety</u> . <b>Task:</b> Research and make short notes on each of the above Principles of Art and design.	20mks
SWAHILI	1(a) Andika miezi ya mwaka katika Kiswahili (Write months of the year in Kiswahili) (b) Andika majina nane ya rangi katika Kiswahili (Write eight names of colours in Kiswahili)	20mks
COMPUTER	Computers are classified into four major categories; explain into detail the classification of computers giving examples of each.	20mks
CRE	1 (a) Explain the changes brought by the <i>Christian missionaries</i> in Uganda? 10 marks (b) What problems did the Christian missionaries face? 10 marks	20mks
F.N	1(a) Define the term food hygiene (b) Outline at least <b>four (4)</b> major aspects to maintaining good health (c) Mention any <b>five (5)</b> parts found in the dermis of the human skin and functions of each  2(a) Mention the vitamin important for the proper functioning of the eyes (b) Describe any <b>three (3)</b> infections to the eye and how they can be prevented (c) Outline the ways of how one can maintain his/her nose in a good working condition	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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END

