

2020

FORM 4 COVID-19 PACKAGE 2 APRIL



YEMEN SECONDARY

DYCCC

4/9/2020

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ENGLISH LANGUAGE

Instructions:

Attempt all questions.

1. (i) Correct the following sentences where necessary
 - (a) She speaks the English very well.
 - (b) My little brother at school.
 - (c) Sir, can I go home to get my book
 - (d) The fire caused my damages
- (ii) Punctuate the following sentences.
 - (a) Hi my name is Mr. makalani
 - (b) Where is my beloved school
 - (c) She said I am the best in my class and in my school.
 - (d) woow you are handsome boy.
2. Rewrite the following sentences as instructed after each.
 - (a) She is too old. She can't go alone. (Use: enough.....to).
 - (b) You give me a gift, I must divorce you. (Begin: even if.....)
 - (c) The boy is very clever. He doesn't know many things. (use nevertheless)
 - (d) Haitham's father is a mathematics teacher. He fails math exam last year.
 - (e) I was just falling asleep when i heard a loud noise. (Begin with hardly.....)
 - (f) As soon as the head of school arrived, the school Baraza began. (begin: no sooner.....)
3. Supply question tags to the following statements.
 - i. They saw us last night
 - ii. There were no students in the class.....
 - iii. I am your brother.....
 - iv. Close your eyes.....
 - v. Don't announce that.....
 - vi. Stop making noise.....
4. Construct two (2) sentences from each word with different meanings.

(a) Book	(d) Watch
(b) Can	(e) Palm
(c) Bark	(f) Sink
5. Write the correct sentences according to the instruction given per each.
 - (a) A sentence with object noun after the main verb.
 - (b) A sentence which shows past perfect continuous.
 - (c) Command sentence.
 - (d) Yes/no question sentence.
6. Future expression can be presented in a number of ways. Construct one sentence under each of the following ways to illustrate their use.
 - (a) The use of "will" or "shall"
 - (b) The use of verb "be" +"going" to infinitive.
 - (c) The use of " present continuous form"
 - (d) The use of verb "be" + "about to"

7. Imagine that you are participating in a debate with motion “Education is the key to success” argue for or against this motion with five (5) points.
8. Imagine that you are the village medical doctor and you are invited to educate the villagers of Patandi who are dying of COVID 19. Write a speech with maximum 250 words on its causes, symptoms and measures to be taken to eradicate the disease.
9. Literature as a mirror reflects the culture of a particular society.” Justify this statement by using two plays that you have studied under this section. Provide three points from each play.

ELIMU YA DINI YA KIISLAMU

Jibu maswali yote

1. Bainisha mazingira ya siku ya mwisho
2. Ni upi ulazima wa kuwepo siku ya mwisho?jadili kauli hii kwa hoja nne
3. Eleza maana ya kuamini mitume katika maisha ya akila siku.toa hoja nne
4. Orodhesha faida za kusimamisha swala katika jamii
5. Na anayetaka dini isiyokuwa uislamu basi hata kubaliwa kwake .naye akheera atakuwa katika wenye khasara(kubwa kabisa) 3:85.eleza kwanini uislamu ndio dini ya kweli.hoja tano
6. Mwanamke ni kiumbe miongoni mwa viumbe alivyoviumba allah (SW0 lakini mwanmke huyo amepewa hadhi tofauti kulingana na jamii husika.bainisha hadhi na haki ya mwanmke katika jamii ya: wagiriki,waarabu, waafrika ,warumi na nchi za ulaya.
7. Eleza maana ya istilahi zifuatazo
 - i. Talaka
 - ii. Eda
 - iii. Mahari
8. Bainisha umuhimu wa ndoa katika uislamu.toa hoja tano
9. Ni sifa zipi zinazozingatia kwa muislamu anayetafuta mchumba?
10. Orodhesha mawalii wanaoweza kuozesha kwa mujibu wa uislamu(kwa mpangilio)

HISTORY

Answer all questions

- 1) Draw the map of Africa locate by using roman number of the following:
 - i. Countries attained independence through revolution means (two countries)
 - ii. Country under the leadership Augustine neto
 - iii. The last country to attained majority independence
 - iv. Former east African German colonies
- 2) Explain the merits of discovery of fire to the human development (6 points)
- 3) Elaborate eight factors for the formation of western Sudanic state
- 4) Assess the tactics used by British to occupy the cape colony (6 points)
- 5) Accounts the motive of French administrative system to be changed and the impacts of the changes(6 points)
- 6) Analyze the mechanism used by colonialist to remove indigenous Africa economy(8 points)
- 7) Differentiate between settler economy and peasant economy as agricultural system practiced in Africa during the colonial era(6 points)
- 8) Colonial education and colonial health service are discriminative in nature. Justify this statement (6 points)
- 9) Examine four causes and three impacts of great economic depression of 1929-32
- 10) Zanzibar revolution was not a meaningless revolution” justify this statement with six positive changes of Zanzibar revolution

CIVICS

Answer all questions

1. Show the significance of cultural products to a society like Tanzania. Give six points
2. Discuss the various indicators of national development.
3. Show the ways in which we can eradicate the problems of unemployment in Tanzania.
4. Discuss the strengths and weakness of SACCOS
5. Appropriate effectiveness of the government in provision of social services in Tanzania.
6. The agricultural sector in Tanzania faces several problems. Suggest six measures which can be taken by the government to improve it.
7. Taking Tanzania as an example account for the increase of poverty and its consequences in many developing countries.
8. Discuss the problems facing the informal sector. How can informal sector be improved?
9. Explain the role of the government in the education sector.
10. Globalization is known as catastrophe of our culture. Justify this statement

GEOGRAPHY

1. Use the following data to draw a compound line graph

The East Africa Gross Domestic Product in Tonnes 2002 to 2004:

YEAR	TANZANIA	KENYA	UGANDA
2002	65	50	50
2003	50	45	60
2004	60	40	40

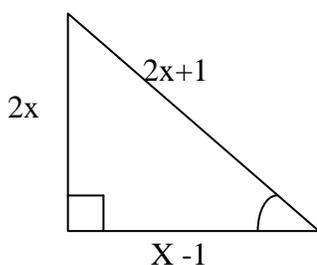
- a) Comment on two merits and demerits of compound line graph.
- b) What is the other suitable way of presenting the same data?
2. With examples, explain six characteristics of primary and secondary data.
3. a). Describe the three (3) methods of topographical surveying.
b). How can you avoid obstacles in chain survey?
4. Using map knowledge then answer the questions that follow:
 - a) Outline four factors which affect the content of the map.
 - b) Find the gradient of the area if the highest contour and lowest contours are 2700m and 1200m respectively and ground distance is 5km.
 - c) Calculate the vertical exaggeration if vertical scale is 1:25m and horizontal scale is 1:50000.
 - d) What factors have influenced the location of town?
5. Carefully study the photograph provided and answer the questions that follow.



- a) Name the type of the photograph.
- b) State the scale of the photograph.
- c) Explain four physical features found in the area.
- d) State three activities conducted in the area.
6. Suggest the main ways of improving pastoralism in Tanzania.
7. Examine problem facing soil conservation in Africa.
8. What are the main factors which have influenced the ship industry in Japan?
9. (a). What do you understand by the term "Family Planning"?
- (b). Describe four (4) objectives and four (4) problems facing Family Planning in Tanzania.
10. Examine the causes (four points) and four effects of loss of biodiversity in the world

BASIC MATHEMATICS

1. (a) Find the distance between the point $(-3,-2)$ and the point mid way between $(2,13)$ and $(4,7)$ write your answer in the form $a\sqrt{c}$ where a and c are positive real numbers.
 (b) The midpoint of the sides of a triangle are $(2,0)$, $(4,-3\frac{1}{2})$ and $(6,\frac{1}{2})$. Find the vertices of the triangle if one of them is $(4,3)$
2. (a) If the first term of an arithmetic progression is 3 and the third term is 13, find the second term, the fourth term and the sum of the first ten terms.
 (b) A certain geometric progression has a common ratio of 2 and the sum of the first five terms is 155, find the first term and give the formula for the n^{th} term.
3. (a) The function is defined by $f:x \longrightarrow ax + b$ for XER, where a and b are constant. It is given that $f(2) = 1$ and $f(5)=7$
 - i. Find the value of a and b
 - ii. Solve the equation $f \circ f(x) = 0$
 (b) If $f(x) = x^2 - 4x + 3$ find
 - i. $f^{-1}(x)$
 - ii. The domain and of $f(x)$
4. (a) An amount of T sh. 12,000/= is to be shared among Sara, John and Aisha in the ratio 2:3:5 respectively. How much will each get?
 (b) A certain worker used his salary as follows 20% on house rent, 45% food, 10% on refreshment and 15% on school fees. If he/she was left with Tsh. 22,000/= determine.
 - i. The salary of his work
 - ii. The amount of money which he/she spent on food.
5. (a) If $\tan A = \frac{3}{4}$ and A is acute, find $\cos A$, $\sin A$ and hence verify the identity $\cos^2 A + \sin^2 A = 1$
 (b)



Given the right angled triangle above whose sides are measured in centimeter determine

- i. The value of x
- ii. The area of the triangle

© Without using mathematical tables find the numerical value of

$$\frac{1}{\sin^2 45^\circ} + \frac{2}{\cos^2 45^\circ} + \frac{3}{\tan^2 45^\circ}$$

6. Students test results on three subjects, mathematics, physics and chemistry show that 20 passed chemistry, 5 passed all the three subjects 12 passed mathematics and physics and 16 passed mathematics and chemistry. Each student passed at least two subjects

- i. Draw a well labeled Venn Diagram to respect these result
 - ii. How many students passed physics and chemistry?
 - iii. How many students did the test?
7. (a) Given that $\begin{pmatrix} 1 & 2 \\ -1 & 4 \end{pmatrix}$ Find $A^2 + 5A + 6I$ where I is the identify matrix
 (b) Use crammers rule to solve the simultaneous equation

$$2x + 3y = 12$$

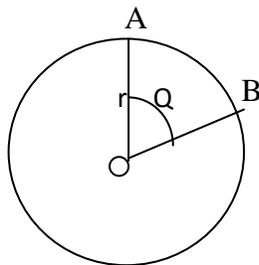
$$3x = 7 + y$$

8. Study the given trial balance and answer question that follow.

Details	Amount (Tshs)	Amount (Tshs)
Cash	185,000.00	
Capital		200,000.00
Purchases	110,000.00	
Sales		104,000.00
Water bills	3,000.00	
Advertising	2,000.00	
Telephone bills	1,000.00	
Salaries	3,000.00	
	304,000.00	304,000.00

Prepare the following for the year ending 31 December 2007

- a. Trading account
 - b. Profit and loss account
 - c. Balance sheet
9. A and B are two points on latitude $70^{\circ}N$. Their longitudes are $62^{\circ}W$ and $118^{\circ}E$ respectively. Calculate the distance in kilometers from A to B if the Earths diameter is 12800km for the following cases.
- i. Along a great circle route over North pole
 - ii. Along a parallel of latitude
- (b) Find the distance in kilometers between A($9^{\circ}S$, $33^{\circ}E$) and B($5^{\circ}S$, $33^{\circ}E$)
10. (a) Below is a cycle with centre O and radius r units. By considering the circumference of the circle, the area of the circle, the given angle θ and the degree measre of the circle (360°), develop the formula for finding.
- i. Arc length AB
 - ii. Area of sector AoB.



(b) Find

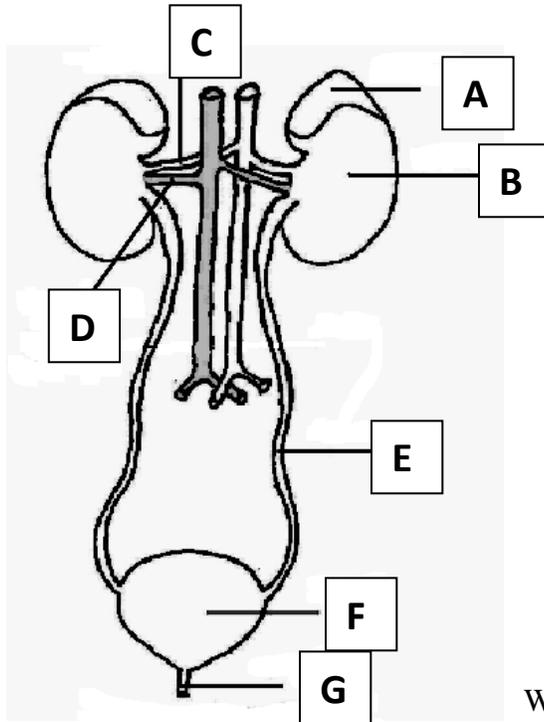
- i. The length of the arc AB
- ii. The area of the sector AoB

If θ is 57° and r is 5.4cm (use $\pi = \frac{22}{7}$)

BIOLOGY

1. a) Draw a transverse section of the young stem.
b) Label the parts of your drawing

c) State the functions of labeled parts.
2. a) Write the names of structures of human excretory system.
b) Name the parts of kidney including nephron parts
c) Compare renal artery and renal vein in terms of blood content.



3. (a) Write the formula of photosynthesis and aerobic respiration.
(b) List advantages of anaerobic respiration
4. (a) What is classification?
(b) List advantages of artificial classification
(c) Pin point the merits of natural classification
5. (a) List down advantages of sexual reproduction.
(b) Describe three types of artificial vegetative propagation
6. a) Explain the adaptation of lungs for gaseous exchange in mammals.

b) Briefly explain effects of carbon monoxide gases in gaseous exchange.

c) Distinguish gaseous exchange and respiration in living organisms
7. a.) Mention locomotive parts of kingdom Protocista and organism which possess it.

b) Bacteria use cell membrane due to nutrition. Where as kingdom prototistause variety parts in cell apart from cell membrane. State the reasons.

c) Mention class of the protozoa (Phylum) which is capable either heterotrophic or autotrophic nutrition.

8. (a) Draw and interpret the post-natal human growth and development curve.

(b) (i) Differentiate Epigeal germination from Hypogeal germination.

(ii) Explain why each kind of germination shows such kind of behaviour per your correct definition.

(c) Draw the growth curve pattern(s) exhibited by:

(i) Members of kingdom plantae.

(ii) Members of class insect.

9 (i) What is the similarity in terms of growth shown by insects and amphibians.

(ii) Study the diagram below and then answer questions which follow:

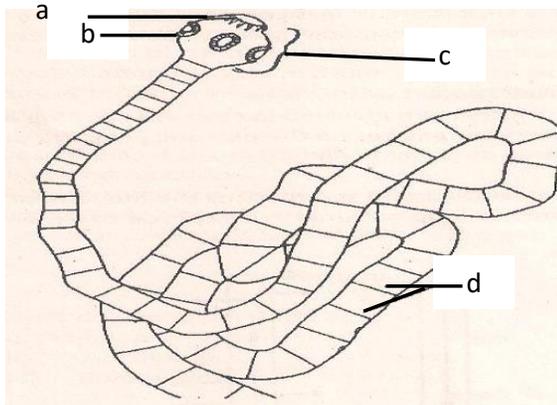


Fig. 2 Organism X

a) Identify the organism (x) by its common name.

b) Label parts a – d.

c) State the habitat of the animal x.

d) Classify animal x up to class level.

e) State any four (4) adaptations of animal x to its mode of life.

KISWAHILI

1. Sentensi zifuatazo zina makosa. Ziandike vizuri kwa kuepuka hayo makosa yaliyojitokeza.
 - a. Wavulana wa kiume wanaitwa
 - b. Angelisoma angefaulu
 - c. Napendaga sana michezo
 - d. Tumekwenda tumemkuta hayupo

2. Taja sababu tatu ambazo huzalisha misimu
 - i.
 - ii.
 - iii.

3. Kwa mifano taja aina tano (5) za rejesta unazozifahamu
 - i.
 - ii.
 - iii.
 - iv.
 - v.

4. Wewe ni mtoto wa mama Bahati Maduhu. Andika kadi ya mwaliko kuwaalika ndugu na jamaa zenu katika sherehe ya mahafali yako itakayofanyika shule ya sekondari Relini tarehe 9/9/2016 kuanzia saa 04:00 kamili asubuhi. namba yenu ya simu ni 0879 900500.

5. Kwa ufupi fafaua asasi tano (5) zilizotumiwa kukuza na kueneza Kiswahili Tanzania, baada ya uhuru

6. Wasanii wengi wanapotunga kazi zao wanalenga kutoa jumbe mbalimbali katika jamii. Thibitisha ukweli wa kauli hiyo kwa kutumia Tamthilia mbili (2) ulizosoma.

7. “Jina la kitabu ni kivutio cha wasomaji wa riwaya” Kwa kutumia riwaya teule mbili (2) ulizosoma linganisha majina ya vitabu jinsi yanavyosadifu yaliyomo.