THE UNITED REPUBLIC OF TANZANIA NATIONAL EXAMINATIONS COUNCIL PRIMARY SCHOOL LEAVING EXAMINATION

05E

SCIENCE

Time: 1:30 Hours

Wednesday, 11th September 2013 a.m.

Instructions

- 1. This paper consists of fifty (50) questions.
- 2. Answer all the questions.
- 3. Read all the given instructions in the special answer sheet (OMR) and fill in all the required information.
- 4. Write your Examination Number and then shade the digits of the number in the respective place in your answer sheet.
- 5. **Shade** the letter of the correct answer for each question in the answer sheet provided, for example, if the correct answer is A shade as follows:

EAS CBS CCS CDS CES

- 6. If you have to change your answer, you must rub out the shading very neatly before shading the new one. Use a clean rubber.
- Use HB pencil only.
- 8. Cellular phones are not allowed in the examination room.

Page 1 of 7 STD708

1.	Whi	ch among th	a fallow										
	Which among the following body parts are responsible for excreting waste products?												
	A Skin and kidney B			Ston	Stomach and kidney C Pancr					reas a	nd liver		
	D	Liver and g	land	E			l hear						
2.	Which of the following is a classification of animals with back bone?												
	A	Snails, lizar	d and m	onitor liz	ard	11 01 6	В	Tick	ore	cch	opper ar	d too	ton O
	C	Toad, croco	dile and	ante	aru		D					iu ise	ise ny
	E	Snake, gras	shopper	and goat			D	Hell	, bat	anu	duck		
3.	Ifri	vers and dar	nc got d	er auktat	Cil	C 11							or March
	A	vers and dar Frogs I	B Fish	ry, which	of the	tollo	wing		g thi	ngs	will be		
	7.0	11083	J 1.1211	C	Croc	oaile	S	D	Mo	squ	itoes	E	Snakes.
4.	-	is a	dicotyle	edonous p	olant.								
	A	Sugarcane		B Mai		C	Rice	;	D	M	lillet	E	Groundnu
5.	Wh	Which part of the flower receives the male gametes?											
	Α	Stigma	В	Style	C			-8:	Б	0	1-1	-	
		- "Bina		Style	C	16	sta		D	Ov	ule	E	Petal.
6.	The relationship between living things and non living things in the environment is called												
	A	interdepen	dence	В	food	weh	on nv	mg t	mig		me envi	ironm	ent is called
	D	food chain		E			natu	re.		С	ecolog	зу	
7	17.												
7.	W	hich of the fo	ollowing	living th	ings us	e chl	oroph	yll to	ma	nufa	cture th	eir fo	od?
	A	Insects	В	Plants	(CA	nima	ls	D		iruses	1	E Birds.
8.	The gland responsible for controlling body growth and protecting the body against diseases is called												
	A	Pancreas	В	Adrena	line	С	D:4.			_	-		
		a superior service	_	ridiciia	inic	C	Pitu	itary		D	Thyroi	id	E Gonad
9.	Animals which are adapted to living in water and terrestrial environment belong to a group of												
	A	birds	В	amphib									
		onds	ь	ampino	lans	C	rep	tiles		D	fish	E	mammals.
10.	CI	ean and safe	water re	efers to w	ater w	nich							
	Clean and safe water refers to water which A has no color												
	C is obtained from the tap						B is cooled in the potD is obtained from the well						
	E		boiled ar	nd filtered	i,		D	15 0	ouan	ied j	rom the	well	
11.	Cholera is a dangerous disease to human beings because												
	Α	it is sprea	d by air				В			e du	ring!		7.54
	C it makes the body lose a lot of water						and during family season only						
	E its real cause is not known.						D it has no cure and cannot be prevented						

Choose the correct answer and shade its letter beside each question in the answer sheet

provided.

12.	211	A standard six student breath air into a test tube containing a clear solution, then he/she shook the test tube. After shaking the test tube, the colour of the solution became white. Which chemical was in the clear solution?											
	A	men enemica	i was i	in the clear	soli	ution?							
	D	Hydrochlo	ne aci			Sulphu			C	Sul	phuri	c acid	
	D	Hydrogen		E	. (Calciur	n hydi	roxide					
13.	Th	e hormone w	hich c	ontrols blo	od s	ugar ir	the h	uman	hody is	called			
	Α	amylase	В	glucose	777	C	insul		D	iodin		E	pepsin.
							111041			iodii		L	рерзи.
14.	W	What is the function of haemoglobin in the red blood cells?											
	A	10 fight ag	gainst b	pacteria			В		ransport	OXVg	en in t	he bo	dv
	C To transport body waste products D To carry digestive enzymes												
	E	To distribu	ite info	ormation in	the	body.		- Const	, - 2	22.31.21			
15.	Fo	For the proper growth of bones and teeth, the child requires											
	A	A calcium, sodium and iron B starch, fats and protein											
	C	vitamin A,					D		min A, c			phosp	horus
	E	eggs, fruits	s and s	tarch.									
16.	Th	The disease caused by bacteria known as bacilli which attacks human lungs is known as											
	A												
	D	poliomyeli		E		ibercul			omarz	140			
17.	W	Which of the following are communicable diseases?											
	A												
	В	B Tuberculosis, diabetes and cancer											
	C												
	D												
	E												
18.	Th	The chemical used to identify the presence of starch is known as											
	Α	base			C			D	iodine		E	salt.	
19.	Alt	Although animals inhale oxygen and exhale carbon dioxide, neither oxygen decrease nor											
		carbon dioxide increase is significantly felt in the atmosphere because											
	A	(1) 200 HGC (1) 201 HGC (1) 전쟁 (1) 전쟁 (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1											
	В	[10]											
	C	[19] [10] [10] [10] [10] [10] [10] [10] [10											
	D	사는 사람 사람들은 살길 그녀가 있다면 나무를 하고 싶어 하는데 아니라 아니라 하는데 이 사람이 하는데											
	E	하는 마이에는 아이에는 아이는 아이는 아이는 아이는 아이는 아이는 아이는 아이는 아이는 아이											
20.	WA	What is the importance of food substances rich in fats in the body?											
20.	A	To build th					В		protect t		lv		
	C	To prevent					D		provide			e hod	lv
	E	To provide						10	provide	onorg.	, to th	000	.5
	-	To provide	mout to	· LLC COUNT									

21.	Foods which cause the growth of animal bodies are called										
	A carbohydrates B proteins C vitamins										
	D fats E minerals.										
22.	What is the objective of having first aid?										
	A To lower treatment expenses B To show mastery of treatment skills										
	C To save lives of sick people D To simplify treatment										
	E To reduce the number of medical doctors.										
23.	Which of the following first aid is given to a person with muscle pull?										
	A To do physical exercises B To take a bed rest										
	C To wrap the muscle with a bandage D To take pain killers										
	E To massage the muscle slowly.										
24.	A person who is suffering from diarrhea and vomiting looses										
	A water and blood B sugar and salt C water and salt										
	D salt and protein E salt and blood.										
25.	The following instrument is not essential in the first aid kit.										
	A Razor blade B Thermometer C Scissors D Spoon E Forceps.										
26.	Which of the following diseases can be prevented by vaccination?										
	A Tetanus and malaria B Elephantiasis and leprosy										
	C Tetanus and rabies D Malaria and tuberculosis										
	E Cholera and leprosy.										
27.	Swollen legs, eating too much but always feeling hungry are symptoms of										
	A typhoid B elephantiasis C kwashiorkor										
	D worms E diabetes.										
28.	Jack, screw, pair of scissors and chisel are types of simple machines known as										
	A Complex B Levers C Axle D Roller E Pulley.										
29.	Observe the following balanced chemical equation and answer the question that follows:										
	Base + Acid → Y + Water										
	Which chemical is represented by letter Y?										
	A Alkali B Oxygen C Carbonate D Salt E Hydrogen.										
30.	Which among the following actions lead to formation of new matter?										
	A Melting of ice B Filtration of dirty water C Evaporation of water										
	D Dissolution of sugar E Fermentation of milk.										
31.	What are the consequences of not protecting water sources?										
	A Death of animals and plants B The nation will lose its manpower										
	C Fish breeding areas will disappear D Seasonal rains will decrease										
	F Irrigation trenches will not be used										

	32.	The process of transporting dissolved salts in plants is known as
		A absorption B sucking C diffusion D osmosis E photosynthesis.
	33.	The compound formed when two atoms of hydrogen chemically combine with one atom of oxygen is
		A salt B acid C water D base E gas.
	34.	The gas which supports combustion is A oxygen B nitrogen C hydrogen D ozone E carbon dioxide.
4	35.	The type of water which turn its color to milky when mixed with soap is known as A light water B dirty water C soft water D heavy water E hard water.
1	36.	Echo refers to sound which is A refracted B absorbed C heard D reflected E recorded.
	37.	Why is the voice of radio and television broadcasters not heard outside the broadcasting rooms through the walls? A The walls are painted with sound absorbers
	•	B The walls are constructed with sound absorbers C The walls are painted with sound reflectors D The walls reflect absorbed sound E The walls refract sound.
3	8.	The amount of current in an electric circuit is measured by A rectifier B resistor C transformer D voltmeter E ammeter.
3	9.	Figure 1 represents the action of magnetization. Figure 1
		If the north pole of the magnet (N) is used to magnetize X pole of an iron bar which has poles X-Y, what will be the magnetic pole of Y in the iron bar? A South B East C North D West E Central.
40) <i>.</i>	Which of the following colors is capable of reflecting light rays but not absorbing them? A Black B White C Yellow D Blue E Green.
41		Which class of levers does the rope and hook in a fishing device belong?

Page 5 of 7

42. Study the electric circuit in Figure 2 and answer the question that follows.

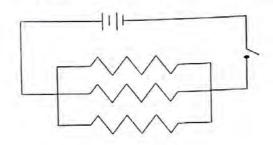


Figure 2

	The	type of circuit shown in F	igure 2	is known as		~	takan an alaanik			
	A	series circuit	В	parallel circi	uit	C	resistance circuit			
	D	step down circuit	E	alternating o	circuit.					
43.	Af	armer discovered that his h	ioe mad	le of iron got	rust. This	is due	to the hoe being in			
		ntact with								
	A	water and oxygen gas		В	water and carbon dioxide gas					
	C	oil and oxygen gas		D	soil and o	xygen	gas			
	E	soil and carbon dioxide g	as.							
44.	Aı	person with HIV can be ide	ntified	by	-50.00		5. A.			
	A	appearance		В			e hospital			
	C	his behavior		D	coughing	habit				
	E	blood screening.								
45.	HIV/AIDS patient needs special diet in order to									
	A	하늘이 그렇게 그리고 되는 아이지 그렇게 되었다. 그 이 그리네이다.		В			d of HIV to people			
	C	have energy for working		D	make the	body i	fight diseases			
	E	destroy HIV totally.								
46.	Ma	arasmus is a disease which	is cause							
	A	balanced diet	В	protein	C	vita	min			
	D	minerals	E	fats.						
47.	Or	ne of the symptoms of AID	S is							
	A	rapid decrease of body w	В	irritation	of the	pubic parts				
	C	enlargement of legs and	stomac	h D	to lose al	oility to	o see			
	E	being angry.								
48.	Which stage in the scientific investigation is used to accept or reject the hypothesis?									
	A	Data collection	B (Conducting e	xperiment		Writing conclusion			
	D	Data interpretation		iterature rev			A TANK T			

- 49. The function of red blood cells in human body is
 - A to cause blood clotting B to fight against diseases C to attack bacteria
 - to transport nutrients E to transport oxygen.
- 50. Observe Figure 3 which shows a simple blood circulation in the human body and answer the question that follows.

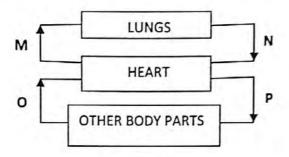


Figure 3

Letters which represent blood vessels that transport deoxygenated blood are

- A M and P
- B N and P

C M and O

- D O and P
- E M and N.