# THE UNITED REPUBLIC OF TANZANIA NATIONAL EXAMINATIONS COUNCIL

010

# **QUALIFYING TEST**

(For Private Candidates Only)

Time: 3 Hours Tuesday, 08<sup>th</sup> November 2016 p.m.

#### Instructions

- 1. This paper consists of sections A and B.
- 2. Section A consists of **two (2)** parts and section B consists of **three (3)** parts.
- 3. Answer **all** questions in section A and choose only **one** (1) part in section B and answer **all** questions in that part.
- 4. All questions should be answered in English Language except Kiswahili subject in section A part II should be answered in Kiswahili.
- 5. Calculators and Cellular phones are **not** allowed in the examination room.
- 6. Write your **Examination Number** on every page of your answer booklet(s).



## **SECTION A**

# PART I: CIVICS AND CURRENT AFFAIRS (20 Marks)

Answer all questions.

1.	For each of the items (i) - (v), choose the correct answer from among the given alternatives and write its letter beside the item number in the answer booklet provided.				
	(i)	The Judiciary in Tanzania is headed by  A the Speaker B the Attorney General C  D President of Judiciary E the Resident Magistrate.	Chief Justice		
	(ii)	<ul> <li>Which of the following categories are <b>not</b> aspects of social skills?</li> <li>A Negotiation, empathy and peace.</li> <li>B Negotiation, empathy and friendship.</li> <li>C Good relationship and peer resistance.</li> <li>D Empathy, peer pressure and effective communication.</li> <li>E Negotiation, effective communication and peer resistance.</li> </ul>			
	(iii)	What is the term used to describe habits that show high moral stan A Self-discipline. B Generosity. C D Proper behaviour. E Obedience.	ndard? Honesty.		
	(vi)	The Universal Declaration for Human Rights was adopted in A 1948 B 1945 C 1947 D 1937	7 E 1944.		
2.		Negotiation, peer resistance, empathy and effective communication A individual life skills B problem soll C social life skills D decision material E communication skills.  The booklet provided is the letter of the correct response in List B beer booklet provided.	lving skills aking skills		
		List A	List B		
	(i)	Any marriage of a person below the legal age of maturity.	A Polyandry		
	(ii)	The time when two people have a relationship before they get married.	B Polygamy C Intermarriage		
	(iii)	The custom of having more than one wife at the same time.	D Monogamy		

E Courtship

G Premature marriage

F Dowry

(iv) The custom of having more than one husband at the same time.

(v) A gift given to the bride parents by the prospective husband.

	Complete the following sentences by writing the correct word or words in the answer booklet provided.							
(i)	Types of human rights which are named and defined in the instrument of law are known as							
(ii)	A branch of a government responsible for daily administrative activities in a country is							
(iii)	The type of democracy practiced in the United Republic of Tanzania is known as							
(iv)	The head of District Council is known as							
(v)	A group of citizens legally organized together so as to take control of the government is called							

## PART II: KISWAHILI AND ENGLISH LANGUAGE (40 Marks)

# **KISWAHILI (Alama 20)**

Jibu maswali yote.

#### **UFAHAMU**

5. Soma kwa makini kifungu cha habari kifuatacho kisha jibu maswali yanayofuata:

Kitu ambacho Afrika inahitaji sana wakati huu ni amani, uhuru na nafasi ambazo hazipingi kujipatia maisha yaliyo bora. Mamilioni ya watu katika bara hili kubwa hawataki tena kusikia njaa kila siku au kuishi katika vibanda vidogo vya udongo. Wanatafuta njia ya kufanya maisha yao yawe bora zaidi. Hawataki kuingizwa katika vita vya ulimwengu na kupoteza kile kidogo walicho nacho. Tanzania ni nchi maarufu katika bara hili kubwa la Afrika. Matatizo yote ya Afrika ambayo yanahusu kuondoa taabu, umaskini na kujenga maisha bora na ujamaa wa watu yanatuhusu pia.

Sisi katika nchi hii tunayo hakika ya maendeleo ya haraka ikiwa kila mmoja kwa nafasi yake atatimiza wajibu wake. Kwa sababu tuna rasilimali nyingi. Kwanza tuna watu ambao wana shauku ya maendeleo, wanapenda urafiki na wenye kutii sheria. Vilevile tuna wanyama pori wengi ambao wanaweza kulinganishwa na walie wanaopatikana katika sehemu chache sana za dunia. Rasilimali zote hizi lazima zitunzwe na zitumiwe kwa faida yetu sote. Hata hivyo jambo kubwa kuliko yote ambalo jamii inapaswa kuzingatia ni kwamba lazima tutunze mambo yote ya kindugu na ya kijamaa ambayo baba zetu walikuwa nayo na wakatuachia kama urithi wetu.

Kazi yetu ni kuyakuza mambo haya yote, yaani kujenga nchi ambayo wote tunaweza kuishi kama ndugu na ujamaa wetu wa kiafrika.

Kazi zinazotukabili ni kubwa na nyingi. Tunapozichunguza zaidi tunaweza kujiuliza kama mtoto wa tandu, "Nianze namna gani nisogeze mguu upi kwanza". Na jibu ni lile lile alilopewa, 'Sogeza mtoto sogea'. Kwa hiyo, hakuna hata mmoja kati yetu anayeweza kumaliza matatizo yote tuliyo nayo peke yake, ila tukishirikiana na kila mmoja wetu akifanya yake kwa uaminifu, ndipo maendeleo ya kweli yatakavyoweza kupatikana. Hivyo tunapaswa kujituma na kufanya kazi kwa bidii kwani ipo kazi na wajibu kwa kila mmoja wetu.

#### Maswali

- (a) Taja matatizo matatu ambayo mwandishi ameyazungumzia kwenye habari hii ambayo angependa watanzania waepukane nayo.
- (b) Mwandishi anasema maendeleo ya haraka yanaweza kupatikana kwa njia gani?
- (c) Mwandishi ametoa fundisho gani kwa kutumia mfano wa mtoto wa tandu?
- (d) Taja rasilimali ambazo Tanzania inazo na ni muhimu kwa maendeleo yake.
- (e) Mwandishi ametaja mambo matatu muhimu kwa waafrika wa wakati huu. Mambo hayo ni yapi?
- (f) Kichwa cha habari kinachofaa kwa habari uliyosoma ni kipi?
- 6. Bainsha mizizi ya maneno sita (6) yafuatayo:-
  - (a) Tumekatwa
  - (b) Hawatamtupa
  - (c) Lililoamriwa
  - (d) Kiunganishi
  - (e) Malimbikizo
  - (f) Tunakula
- 7. Tegua vitendawili vifuatavyo kisha eleza maana ya kila kimoja:
  - (a) Chini chakula, katikati kuni, juu mboga.
  - (b) Nikienda kwa mjomba sirudi.
  - (c) Nina watoto wanne, mmoja akiondoka waliobaki hawafanyi kazi.
  - (d) Popoo mbili zavuka mto.
  - (e) Ukiona zigi utadhani zege na ukiona zege utadhani zigi.
- 8. (a) Eleza maana ya insha.
  - (b) Jadili tofauti mbili za msingi zilizopo kati ya:
    - (i) Insha za kisanaa na Insha zisizo za kisanaa.
    - (ii) Insha za hoja na Insha za wasifu.

#### **ENGLISH LANGUAGE (20 Marks)**

Answer all questions.

- 9. Write a composition of about 100 words on title "Let's Keep Tanzania free from HIV and AIDS"
- 10. Read the following passage carefully and then answer the questions that follow.

Mount Mlinga is situated very near to our village. It is the highest mountain in the area. Its peak resembles a woman carrying a baby on her back. Everyone enjoys looking at the mountain especially when the sky is clear.

The peak of Mt Mlinga was once the home of spirits. These spirits controlled life in the village. It was believed that, when the spirits were angry, something bad happened. But when they were happy, something good happened.

In one year there was no rain for many months. Crops in the fields dried up. Many animals died because there was neither grass nor water for them. The soil became very dry. Bush fires spread everywhere. If a person threw a piece of cigarette carelessly, it would cause a big fire! So the village elders held a meeting. They selected a team of old men to go up the mountain and offer a sacrifice to the spirits. "The spirits must be very angry," they said.

Early one morning, the team dressed in black clothes up to their waists only with their chests bare, sang a traditional song and danced for a few minutes. Then, they left of the mountain. They took with them a black sheep, a cooking pot, some water, green bananas and fire.

Nobody knew exactly what happened at the mountain peak. After three days, it started raining heavily and the team came back from the mountain as wet as a frog. "The spirits are now happy;" they told everyone.

#### **Questions**

- (i) Why was the peak of Mt. Mlinga liked by the villagers?
  - A Because was very far from the village.
  - B Because was full of snow.
  - C Because was the source of water.
  - D Because was always full of clouds.
  - E Because it looked like a mother with a baby on her back.
- (ii) What can you say about the spirits that lived on Mt. Mlinga?
  - A Were always happy for the village.
  - B Liked the peak of the mountain.
  - C Used to play at the foot of the mountain.
  - D Were thought to be angry when there was no rain.
  - E Were very friendly to people in the village.

		Α	They decided	to o	ffer a sacrific	ce to t	he spirits.				
		В	They held a m	eeti	ng for all the	villag	gers.				
		C	They selected	a te	am of young	wom	en.				
		D	They held a m					illage.			
		E	They were ver		-			C			
	(iv)	W/1	nat was the effe	ct o	flack of rain	in the	village?				
	(11)		Caused crops				_				
			Caused bushfi	_							
			Caused farms		•		iais to die.				
			Made men sto			-	v were hun	orv			
		E	Caused village					.B.J.			
	(v)	W/1	nat happened in	the	village after	three	days?				
	(*)		The sacrifice		_		days:				
			Clouds gather				n				
			It started to ra			Julitul	11.				
			The villagers		•	e spiri	ts were hun	orv.			
		E	The villagers			•	is were num	. 6. J.			
			8								
11.	For e	each	of the items (i)	- (v	), choose the	corre	ect answer f	rom amo	ong the alter	natives	s given and write
	its le	tter	beside the item	nun	nber in the an	iswer	booklet pro	vided.			
	<i>a</i> s						- 41 -				
	(i)		ke Tanganyika			_			0	_	•.•
		Α	on	В	at	С	in	D	from	Е	with.
	(ii)	I'n	n tired			ı you.					
		A	for	В	of	C	from	D	at	E	about.
	(iii)	My	mother asked	me	to	my	torn shirt.				
		Α	sew	В	sow	C	saw	D	SO	E	sewing.
	(iv)		is is the time of								
		A	how	В	where	С	which	D	why	E	when
	(v)	Th	ere is too		sugar in t	his te	a, I can't dr	ink it.			
		A	many	В	a lot	C	much	D	more	E	much more
10	C1		1 1 1 1		1						
12.	Chan	ige t	he verbs in the	brac	ekets into the	corre	ct tense.				
	(i)	Wl	no has (break) _		this	glass?	•				
	(ii)	La	st month the co	st of	f living (rise)		to a	new his	gh point.		
	(iii)	Wo	ood always (flo	at)				`			
	(iv)	Th	ood always (flo e patient (die)	_	by th	ne tim	e the doctor	r arrived	?		
	(v)	My	uncle (walk)		in th	e park	when I me	et him.			
	` /	2	\ / _			•					

(iii) What did elders do in the village when there was no rain.

## **SECTION B**

Choose only one (01) part and answer all questions in that part.

# PART I: GEOGRAPHY AND HISTORY (40 Marks)

# **GEOGRAPHY (20 Marks)**

Answer all questions.

13.		each of the items (i) - (x), choose the correct answer from the given alternatives and write beside the item number in the answer booklet provided.	its
	(i)	If the scale of a map is 1:50,000, what will be the actual distance of a road with 4 cm on a map?	
		A 40 km. B 2 km. C 20 km. D 2 m. E 4 km.	
	(ii)	Relief on a map can be shown by using A contour line B isobars C latitude D isohyets E longitude.	
	(iii)	An activity that involves movement of people to places of interest for leisure is known as A transport B investigation C explore D migration E tourism.	
	(iv)	In weather forecasting stations, the instrument used to measure the speed of wind is called A barometer B hygrometer C thermometer D anemometer E windvane.	
	(v)	Apart from the planets, other bodies moving around the sun are shown in one of the following sets of bodies:  A comets, asteroids, meteors and satellites  B meteorites, interplanetary dust and comets  C meteorites, asteroids and comets  D meteorites and comets  E inter-planetary gases and dust, comets and meteorites.	ng
	(vi)	The system of growing different crops on the same field is known as  A intercropping B contour terracing C crop rotation  D mixed farming E farming.	
	(vii)	Mining, fishing, agriculture and tourism may lead to the following effects <b>except</b> A pollution B deforestation C afforestation  D soil erosion E loss of biodiversity.	
	(viii)	Equal readings in dry bulb thermometer and wet-bulb thermometer means  A air is dry  B temperature is high  C air cannot take more wat  D air is calm  E it is spring season.	er
	(ix)	The natural satellite moving around the earth is known as  A clouds B meteorite C moon D star E columbus.	

	(x)	<ul><li>C In order to group islands</li><li>D In order to ensure that no</li></ul>	
14.	(a)	Complete the following se provided.	entences by writing the correct answer in the answer bookle
		(i) Solar eclipse is also kr	nown as
		(ii) A place specifically r known as	made for observing, measuring and recording weather elements is
			per and pair of dividers, the only method used in measuring the rivers and roads on a map is
		(iv) The type of cultivation called	n in which a peasant keeps on moving from one place to another is
		(v) The main human activ	vity in Tanzania is known as
	(b)	Outline five characteristics of	of small scale agriculture.
			HISTORY (20 Marks) Answer all questions.
15.		each of the items (i) - (x), choosetter beside the item number in	ose the correct answer from among the given alternatives and write the answer booklet provided.
	(i)	Olorgesailie is a historical si A Kenya B Ugar	ite found in nda C Tanzania D Egypt E South Africa.
	(ii)	In East Africa the Late Stone A 750,000 BC D 1,750,000 BC	B 50,000 BC C 75,000 BC E 5,000 BC.
	(iii)	The theory of evolution was	·
		<ul><li>A Dr. Leakey</li><li>D Charles Darwin</li></ul>	B Early man C Olduvai Gorge E Skillful man.
	(iv)	The first Europeans to settle A The British in 1806 D The Xhosa in 1498	at the Cape of Good Hope were  B The Zulu in 1498 C The Dutch in 1652  E The Arabs in 1698.

(v)	Wh	ich one of the following wa	s an	important salt making cen	ter in	Africa?	
	A	Axum and Meroe.	В	Axum and Uvinza.	C	Meroe and	Uvinza.
	D	Taghaza and Uvinza.	E	Taghaza and Meroe.			
(vi)	Aft	er the decline of the Portugu	iese	rule in 1698, the East Afric	can c	oast was und	der the control
	of						
	A	The British traders.	В	The African themselves.	C	The Oman t	traders.
	D	The German traders.	E	The Hehe and Nyamwezi	trade	rs.	
(vii)		e among the following is the		_	n:		
		It is more live source of his		cal information.			
		It is difficult in translation.					
		It is not expensive.					
		It involves literates only					
	E	It is not easy to lose inform	natio	n.			
,,	0	C.1 C.11	1	C 1 1 1			
(V111)		e of the following was <b>not</b> a					
		to settle disputes among cla					
	В	to teach their members to l		-			
		to control the major means to choose spouses for your	_				
	E	to protect clan ethics, norm					
	Ľ	to protect clair curies, norm	15 a1	iu muais.			
(ix)	Wh	ich among the following tre	eatie	s was signed in 1822?			
(121)		Moresby Treaty.		Hamerton Treaty.	C	Freire Treat	tv.
		Helgoland Treaty.	E	Bandung Treaty.	C	110110 11001	.,,.
		5		8 ,			
(x)	The	e German East African Com	pan	y was founded by Karl Pete	ers in		
	A	1887 B 1900		C 1886 D	1890	E	1884.
(a)		ite the correct word(s) or	figu	re which complete the fo	llowi	ng sentence	s in the answer
	boo	klet provided.					
	(:)					.1	1 17
	(i)	and Buhaya.	was	s a system of private land o	wner	snip operate	d in Karagwe
		and bunaya.					
	(ii)	The ceremony of passing	r Ollf	old leadership and passing	in n	ew leaderchi	n among the
	(11)	Nyakyusa was called			3 111 110	cw icaucisiii	p among the
		Tyakyasa was canca		·			
	(iii)	The British South Africa	Coı	npany was led by			
	()						
	(iv)	The areas with fertile lan	d ar	nd high rainfall emerged to	a stro	ng political	states are
	` /	called		_			
	(v)	An economic activity dea	aling	g with keeping of animals a	ıs a m	ain source o	of income is
		called		·			
	_						
(b)	Exp	plain five effects of the migr	ratio	n in the pre-colonial societ	ies.		

16.

# PART II: PHYSICS AND BASIC MATHEMATICS (40 Marks)

# PHYSICS (20 Marks)

Answer all questions.

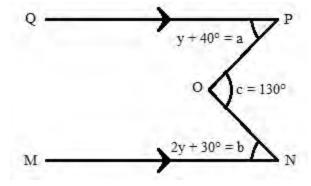
17.		ach of the items $(i)$ - $(x)$ , choose the correct answer among the given alternatives and write its beside the item number in the answer booklet provided.
	(i)	The applied force which results in a decrease in size of the body is called A stretching B compressional C friction D restoring E centripetal.
	(ii)	If the acceleration due to gravity $g=10\text{m/s}^2$ . What is the work done of a man who lifts a load of 20kg through a height of 3m? A 6J. B 60J. C 6000J D 0.06J. E 600J.
	(iii)	The elastic force constant of spring is obtained by the ratio of A applied force to mass B mass to distance C tension to extension D tension to mass E force to density.
	(iv)	The potential difference in the current is measure by
		A - X - B - V - C - A - C -
		D — E — G—
	(v)	The equivalent capacitance for capacitors of 1 microFarad and 4 microFarad connected in series is A $0.8\mu F$ B $8\mu F$ C $0.08\mu F$ D $80\mu F$ E $0.008\mu F$ .
	(vi)	A convex mirror always forms  A real images only  C inverted real images only  E diminished virtual image  B virtual images only  D magnified virtual image
	(vii)	An instrument which can detect electric charges is called A ammeter B electroscope C ohmmeter D electrometer E generator.
	(viii)	Potential and kinetic energies are similar in that  A both produce heat  B both are measured in watts  C one is the substitute of the other  D both are forms of mechanical energy  E both are forms of electromagnetic energy.
	(ix)	The force exerted by a pressure of $40 \text{N/m}^2$ acting over an area of $5 \text{m}^2$ is A $20 \text{N}$ B $0.02 \text{N}$ C $0.2 \text{N}$ D $200 \text{N}$ E $2.0 \text{N}$ .
	(x)	Work done is the produce of force and A speed B velocity C distance D acceleration E movement.

- 18. (a) (i) State Ohm's law.
  - (ii) Two resistors of  $6\Omega$  and  $12\Omega$  are connected in parallel. Calculate the total resistance of the circuit and the potential difference across the circuit when the current flowing through it is 5A.
  - (b) Name any two properties of magnetic lines of force.
  - (c) Differentiate transparent materials from translucent materials.
  - (d) List down any four types of capacitors.
  - (e) (i) Distinguish between kinetic energy and potential energy.
    - (ii) A 1000kg car is travelling down the road at a speed of 15m/s. Calculate the kinetic energy of the car.

# **BASIC MATHEMATICS (20 Marks)**

Answer all questions.

- 19. (a) Estimate the value of  $35.175 \times 23.05$ .
  - (b) Given the equation -2x + y = 6 for  $-3 \le x \le 3$ , construct a table of values and hence draw the corresponding graph.
  - (c) The sum of 3 consecutive numbers is 36. What are the numbers?
  - (d) Omega deposited sh. 1,000,000 in an NMB account. If the bank offers and interest rate of 9% per annum, find how long it will take for the balance in his account to be sh. 1,450,000.
  - (e) Find the value of y in the following figure:



- 20. (a) If  $\frac{x+4}{3} = \frac{2x-2}{4} 1$ , find the value of x.
  - (b) A dealer paid sh. 960,000 for a machine. The following year he sold the machine for sh. 840,000. Calculate the:
    - (i) Loss made,
    - (ii) Percentage loss.

- (c) Upendo is older than James by 8 years. If James is 14 years old, how old is Upendo?
- (d) The area of a trapezium is 3000mm<sup>2</sup> If the parallel sides are 300 mm and 100 mm long, find the height of the trapezium.
- (e) Simplify  $\frac{\sqrt{3} + \sqrt{2}}{\sqrt{5} + \sqrt{2}}$  by rationalizing the denominator.

## PART III: BIOLOGY AND CHEMISTRY (40 Marks)

### **BIOLOGY (20 Marks)**

Answer all questions.

- 21. (a) For each of the items (i) (v), choose the correct answer from among the given alternatives and write its letter beside the item number in the answer booklet provided.
  - (i) Which one of the following distinctive features is used to identify members of the Division Bryophyta?

A Have small flowers.

B Have vascular system.

C Have no true roots, leaves and stems.

D Have no defined structures.

(ii) The products of anaerobic respiration in plants include

A carbon

B lactic acid

C carbon dioxide

D composite manure

E alcohol.

(iii) The role of sunlight in photosynthesis is

A splitting down carbon dioxide

B combine water molecules

C splitting water to its constituents

D manufacturing starch

D participating in reactions.

- (iv) Which statement is correct about epidemic disease?
  - A Spreads quickly and affects many people at a locality.
  - B Affects many people worldwide.
  - C Affects people living in towns only.
  - D Controlled only by proper use of toilets.
  - E Spreads very slowly and affects many people at locality.
- (v) Which one of the following is the correct hierarchical order of Taxonomic groups?
  - A Kingdom, Phylum/Division, Class, Order, Family.
  - B Genus, Species, Order, Family, Class, Phylum/Division, Kingdom.
  - C Kingdom, Phylum/Division, Class, Order, Family, Genus, Species.
  - D Phylum, Kingdom, Order, Class, Family, Genus, Species.
  - E Kingdom, Phylum/Division, Class, Order, Family, Species, Genus.
- (b) Complete the following sentences by writing the correct word or phrases in the answer booklet provided.

		(i)	A substance involved in blood clotting is called		·
		(ii)	is the structure which prevents bac the left ventricle to the left auricle in the heart.	kward	flow of blood from
		(iii)	A blood vessel which has small lumen is called		·
		(iv)	is the movement of molecules concentration to low concentration through a semipermeable r		•
		(v)	A structure which transports water and mineral salts from known as	the ro	ots to the leaves is
22.	(a)		the the items in <b>List A</b> with the correct response in <b>List B</b> be act response beside the item number in the answer booklet provi		ng the letter of the
			List A		List B
		(i)	A mechanical process whereby food substances are broken do	wn A	Duodenum
			into small particles to facilitate digestion.	В	Oesophagus
		(ii)	A part of the alimentary canal through which the food passes	C	Epiglottis
			from the mouth to the stomach.	D	Cardiac sphincter
		(iii)	A structure found at the lower end of the stomach to enable th	E	Chewing
		()	retention of food in the stomach for some time.	F	Emulsification
		(iv)		G	Pyloric sphincter
		(1V)	A small portion of the small intestine just after the stomach.	11	-
		(v)	A process of breakdown of fat into tiny droplets.	Н	Pancreas
	(b)	(i)	What do you understand by the term "binomial nomenclature"	?	
		(ii)	Outline any four principles applied in assigning names to livin	g orgai	nisms.
			CHEMISTRY (20 Marks) Answer all questions.		
23.	(a)		each of the items (i) - (v), choose the correct answer from an write its letter beside the item number in the answer booklet pro	_	e given alternatives
		(i)	Which one of the following is the gas used to extinguish class	E fires	?
		` /		Nitrog	
			D Hydrogen. E Carbon monoxide.		
		(ii)	The components in the air mixture can be separated by		
			A decantation B filtration C	fractio	onal distillation

			D gas chromatology E vacuum chromatology.
		(iii)	In scientific procedures, the stage of comparing and representing information in diagram or table is known as
			A problem analysis B conclusion C variable formation
			D inference E data analysis.
		(iv)	Which of the following components make up the fire triangle?
			A Oxygen, fuel and heat. B Oxygen, heat and firewood.
			C Oxygen, fuel and firewood. D Match box, firewood and Oxygen.
			E Match box, firewood and kerosene.
		(v)	One of the following is <b>not</b> among the gases composing air:  A hydrogen B oxygen C helium D nitrogen E noble gases.
	(b)	Fill in	n the blanks by writing the correct answer in the answer booklet provided.
	( )	(i)	A substance which dissolves in a liquid is called
		(ii)	A set of guidelines that a scientist follow in order to solve problems is called
		(iii)	A mixture of several gases in the atmosphere is called
		(iv)	0.03%, 21% and 78% composition of air by volume represents ,
			, and respectively.  Burns caused by hot liquids or vapour are called
		(v)	Burns caused by hot liquids or vapour are called
24.	(a)		liquids A and B are mixed together, but after thorough shaking and allowed to settle B floats.
		(i)	What type of liquids does a mixture A and B form.
		(ii)	Which is the suitable apparatus that can be used to separate the two liquids?
		(iii)	Draw the diagram and indicate how the two liquids appear in the named apparatus.

(b) Match the items in **List A** with the correct response in **List B** by writing the letter of the correct response beside the item number in the answer booklet provided.

	List A		List B
(i)	A type of fire in which the burning materials are electrical	A	Class B fire
	equipments.	В	Class D fire
(ii)	A type of fire in which the burning materials are flammable liquids	С	Class G fire
(iii)	A type of fire in which the burning materials are metals.	D	Class H fire
. ,	A type of fire in which the burning materials are wood and	Е	Class A fire
(11)	paper.	F	Class C fire
(v)	A type of fire in which the burning materials are liquefied gases.	G	Class E fire