KCPE REVEALED NATIONAL EXAMINATIONS

COMPREHENSIVE MARKING SCHEME

CODE: 002 - 2020

Pinpoint



MATHEMATICS COMPREHENSIVE MARKING SCHEME 1.47665210

Forty seven million six hundred and sixty five thousand two hundred and ten.

(C) - knowledge.

2. The largest = 54210 **Smallest** = 10245

> 43965 A - Comprehension

3. $12 - (196 \div 14) \times 2 + 26$ **BODMAS**

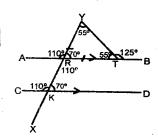
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D - Comprehension

5. GCD of 48, 60, 72

2	48	60	72
2	24	30	36
3	12	15	18
	4	5	6

6.



YTB=125° A-Analysis

7. 24 workers = 30 days 1 worker = 24×30 days $20 \text{ workers} = (24 \times 30)$

> 20 = 36 days 36 - 30 = 6 more days D - Evaluation

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8. P-sh 60000 T=2 1/2 years I = (68250 - 60000) = 8250I = PRT 100 8250 = 60000× R ×2.5 100 $8250 = 600 \times 2 \times R$ R = 8250 600×2.5 R = 51/2%A - Analysis 9. Nj: Mercy 3:1 Njuguna = 3/4 $(3/4 \times 20000)$ sh. 15000 C - Application 10. Scale = 1:50000 Length = 8cm Width = 5 cm Actual = P = 2L + 2W= 2 (8+5) = 26 Actual (26×5000) m 100 = 13 000m = 13km A - Application 11. No. of poles = Distance Spacing 3.75 × 1000 50 = 76 B - Evaluation 1/2 of 4 1/2 / 2 1/3 × 7/9 - 2/5 $1/2 \times 9/2 = 9/4$ 9/4 / 21/3 × 7/9 - 2/5 (9/4 ×3/7×7/9) × 3/4 3/4 -2/5 = 15 - 8 20

BODMAS

A-Analysis

13. Total = 7354 Women = X Men = X + 1022X + X + 1022 = 73542x = 7354 - 1022

$$2x = 6332$$
 2
Women = 3166
Men = 3166 + 1022

```
=4188
                                                                                                       Puncture
                                                                                           60km/h
                                                                    21. 60 km/hr
                            C- Analysis.
                                                                                                            45km/h
                                                                                                      120km
 14.
          Bars of soap = 120 \times 2 \frac{1}{2} = 300
          Sugar = 320 \times 11/4 = 600
          Flour = 2 \times 80 = 160
                                                                             Total Distance = 120 km
          Rice
                          =40
                                                                             Total time = 30 min +30min + time after puncture
                   Total = sh 900
                                                                             Time after puncture = D/S
                            D - Application
                                                                                      D = (60 \times 1/2) = 30 \text{km}
                                                                                               = 120 - 30 = 90 \text{km}
                                                                                                        90 / 45
 15.
                                                                                                           = 2 brs
                                                                             Total time taken = 30min +30min + 2hrs
                     A = 12.25ha
                                                                                               = 3 hrs
                                                                             Av. Speed = 120/3 = 40km/hr
                                                                                               B - Comprehension and synthesis
                                                                    22.
                                                                             20 (x-1+(3x+3) 20 = (11) 20
          12.25 * 10000 = 12250m2
                  Length = 1225000
                            = 350 m
                                                                             4(x-1) + 5(3x+3) = 220
         P = 350 *4 = 1400 m
                                                                             4x-4+15x+15=220
         5 \text{ strands} = (1400 \times 5) \text{m}
                                                                                     4x + 15x + 15 - 14 = 220
                           =7000m
                                                                                               19x + 11 = 220
                           B - Synthesis
                                                                                      19x = 220 - 11
16.
         Area = 1/2 h (a +b) \times 2
                                                                            19x = 209
                   = h (a+b)
                      5(15+12)
                                                                             19
                                                                                    19
                           = 135m2
                                                                                     x = 11
         Area painted (135 *2)
                                                                                              D-Analysis
                  =270m2
             17. M = 12
                                                                   23.
                                                                            Amount of litres = (75 ×6)
                n = 1/2 \times 12 = 6
                                                                                     = 450 litres
                  w = 5
                                                                            Wednesday be x
                  1/2 (2m + nw) n^2 + 2m
                                                                            Monday = x + 5
         1/2(2 \times 6 + 6 \times 5) - 6 + 2 \times 12
                                                                            x+x+5+73+80+76=450
                  1/2 (12+30) - 36+24
                                                                            2x+312=450
                                                                            2x = 138
                  21 36 +24
                                                                            2 - 2
                  21 + 24 _36
                                                                                     Monday = 69
                           C- Comprehension
                                                                                     Monday = (69 + 5)
18.
         70\% = 840
                                                                                               = 74 litres
         30\% = 30 \times 840
                                                                                              A - Synthesis
                                                                   24.
                     70
                                                                            (22/7 ×14 ×14 ) + 22/7 ×28 ×30
                           = 360
                                                                                     616cm + 2640cm
                           D - Comprehension
                                                                                              = 3256cm
19.
         Tamara = 1.8min
                                                                                              B-Comprehension
         1 \min = 1/8 of the room
         Jane = 12 min
                                                                   25.
                                                                            Food - 25%
         I min = 1/2 of the room
                                                                            Rent - 35 %
         1 min(Both) = 1/2 \times 1/8 = 2 + 3
                                                                            Fees - 16%
                                      24
                                                                                  66%
         I min = 5/24 of the room
                                                                                     Saving = (100% _ 76%)
                  5/24 = 1 \min
                                                                                                       =24%
                  24 /24 = (24/24 * 1 *24/5
                                                                                                                34\% = 6000
                           = 4 \, 4/5 \, \text{min}
                                                                   100% = 100 ×6000
                                    A - Evaluation
                                                                                  24
20.
                 Football = 360 - (90 + 36 + 14)
                                                                                     sh. 25000
                           = 360 - 240
                                                                                              C - Application
                                    =120
                                    120 =18
                                                                   26.
                                                                            Speed = 72km/hr
                 360 = (360 \times 18)
                                                                            Time taken = 1 \text{ min} = 1/60 \text{hr}
                                                                            D = S *T
                           120
                                                                                     D = 72 * 1/60
```

B

=1.2km B - Comprehension

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C-Application

= 54 pupils

```
27.
         Procedure
         i) draw line EF =6cm
         ii) Measure 60 from T then draw a line.
         iii) Mark point G 7 cm from F
         iv) Join G to E
         v) Bisect two lines
         vi) Using the point of intersection as the centre of the
circle, draw a circle touching the vertices.
         vii) Measure the radius.
                  =3.8cm
                            D - Synthesis
28.
          15 below melting point
                   = -15
         Rise in temp = 48 - 15
                   (48 + 15)
                            = 63
                   C - Commehension
29
              8m
          Area = 5 \times 6 \times 2 = 60
                   8 \times 5 \times 2 = 80
                            = 140 \, \text{m}
          (Exclude the floor and the room)
                   = 140 - 14
                   = 126m
                             C - Evaluation
 30.
          Base = 2.5
          Area = 2.5 \times 2.5
                   = 6.25
                   42.25 - 6.25
                             = 36
          height =
```

31. No of cubes Cross sectional area height (21×4) = 84 cubes

C - Comprehension

Sarah = y 33. Joseph = 2 yHillary = 2y - 62 years time

Sarah = y +2
Joseph =
$$2y +2$$

Hillary = $2y -6+2 = 2y -4$
 $y +2+2y+2+2y-4$

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41.

120% = 10728

100% = (100 *10728)

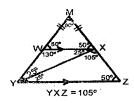
120

B - Application

sh. 8940

```
y+2y+2y+2+2-4
                                     C-Svathesis
         45.6 + 0.24 ×7.2 - 4.5
34.
               0.36 ×0.96
                  45.6 +5 - 4.5 = 46.1
                            C - Knowledge
         2/5 (25x-20) -3 (1/3x +1)
35.
                   10x - 8 - x - 3
                            10x -x -8 -3
                   9x - 11
                            C- Comprehension
         The difference between two consecutive odd numbers
36.
         x + x + 2 + x + 4 = 111
                   3x +6 = 111
                            3x = 105
                                      x = 35
                                      B - Analysis
          Area of the shaded pard = 1/4c - Triangle.
37.
          =(1/4 \times 22/7 \times 14 \times 14) - (1/2 \times 14 \times 14)
                            =154cm
                                      A - Comprehension
38.
          Boys = 2/5
          Girls = 3/5
          Difference = 1/5
                   3/5 = 18
                             1/5 = (1/5 * 18*5/3)
                                                D - Analysis
39.
          P = sh \cdot 4000
          Left = (500-20) = 480
          Piles = 480/3 = 160
          S.P = (160 *30)
                   sh. 4800
                    \% P = P/B.P \times 100
                             P = 800
                             =(800 \times 100)
                                  4000
                                      C - Application
          1 \text{ day} = (3 *200) \text{ ml} = 600 \text{ml}
 40.
                    January = 31
                             Feb = 29
                    Total = 30 days
                             (60 ×600)L
                                 1000
          =36L
                             A - Comprehension
```

42.



43. M.P = 20 000 H.P = (115 ×20000)

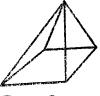
> 100 H.P = sh . 23 000 Total M.I = (1050 *18) sh. 18900 Deposit = H.P- T.M.I 23000 -18900 =sh. 1100

A - Synthesis

44. 12.5% as a fraction form. 12.5 = 125 = 1/8.

1000 1000 C - **Knowledge**

45.



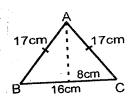
Faces = 5 Vertices = 5 notal 10

B- Comprehension

46. 7, 14, 25, 38, 55, 74

Prime numbers
55 +74 = 129
A - Comprehension

47.



B - analysis

```
48. Volume = BA ×height
2 (1/2 ×22/7 × 0.7 × 0.7 × 3)
= 2.31m
= 231oL
1 L = 10dl
2310L = 2310×10
= 2310dl
D - Synthesis

49. (40bags ×110)
4400kg
```

ENGLISH

0	Ans	Ren	soning and Ex	plaining				<u>Cognitive</u>
		The determiner	each' emphasi.	zes every sing	le factor among	the many		
		to be considered	l before decidi	ag. a carecter				Comprehension
	C	The question test	ed optuse of v	recabulary pla	y a role means	_		Evaluation
		contribute to w	hereas play a p	aat means 'sh	are in or have	apart.		C. A. State of Late
	A				oosing one care	er,		knowledge
•	1	a' is the most ap	propriate word	to use here.				Midwinde
	B	Someone is the				rson.		
		Somebody is not	t appropriate b	ecause it is in	formal.		4.	Analysis
		Everyone means	all					, many ord
	1 _	Anyone is used w	ob't mo	ipresion and	negative seniem	ces.	.	knowledge
	C	Since there is no	comparison,	we use a posit	ive auvero.	ill ia		
	A	The person's int		ery nor going	to change, so w	111 13		Application
	D	the most approp		sech that sho	we mente			knowledge
		rame we need a	Consumer of ac	ites o time and	M9 INSUITA			-
	lc	One knows both	a waters there like	e and what the	ev don't like, no	t cither.	1	Comprehension
	IÀ	It tested upt use	of vocabulary	One 'makes'	a list.			Evaluation
	B	'eet into' implie	s 'get involved	in'. One get	s involved in an	occupation	ĺ	Application
	1	5				_		
	В	One has no cho	ice but to short	en their list b	ased on nothing	but their	ŀ	
		interests, it is, the	herefore, oblig	atory.	•			Synthesis
	A	Of the list one h	as made, they	are advised to	pick that occup	pation which	· •	Frank mark to the second
		seits them best.	that is to say, t	he m ost relev i	ant according to	ster interest.		Comprehension
	D	Unlike knowled	ge that is gaine	a, skills are a	equired through	training.		•
	1	This tested corre	ct use of vocat	oulary.		. dans all		knowledge
	C	One is interested	l 'in' somethin	g. Interested '	with is just a co	ommon mistak	e.	MANAMONEL
	D	Since the modal				osuve		Analysis
	1_	entence, we form	n a question ta	g by negating	; II. 		l	1 may ex
	D	Improbably con	dinons miply	mai a resum m	as Po deen got c	PECARISE A		Comprehension
	1	condition has no NB: We don't ex	n deed met. 	hla sandition	a vaina aentenas	er in		2
	-	£ .	xhiaia imbioos	ws common	s using sometime	22 III		
	b	the past tense. A direct speech	in cisanle asst	chances in us	et nerfect tense	in the	į	
	1 2	reported speech		ormigos to p	po.1000 te		1	knowledge
	l c	What came first	towas the hisser	orhich was so	on after or imm	ediately		
	1	followed by peo				.	,	Synthesis
		B. is incorrect to			of events.			
	A	'Has' in this cas				ion tag,		
	I	therefore, takes			_			knowledge
	B	It was not the ca					. 1	Synthesis
	C	Since Daniel m	ade fall, he fell	led me.				
	B	The key is B						
	- Tale	A. is locking by	phens in Tride	and sock				
	1	C. is lacking an	apostrophe in	ʻit's'				Analysis
	and the same of th	D. does not obe	y the rule of ca	ipitalisation o	f proper nouns.			Anmysis
	B	The key is B			, .	Eai-		
	A	Adjectives are a				gecuve	NEW COLUMN	
		humdred -shillin				- the first		
	C			i simi wili sil	iou icricas miles	in east and the		
		word is proper The pronoun T		ha amaitalicad				Analysis
	D.		question 24 and		•			
	ł	1						
		Quinter	Miriam	Jacob	Ian			
	į		×	×		2	English	
	in the state of th	 \	Total Park	A CONTRACTOR OF THE CONTRACTOR	√			
	Ì	1 .				4	SST	
	1		✓	√	_ √			
	l	l x	THE STATE OF THE S	Total C		2	Maths	
	1		1	V				
		×		north and a second	×	2	Kiswa	
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	1	1×	A. A	1	7	3	Science	
			V	IV				•
	and the second	12	13	4	4	1		
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26.	C	The writer's mother was an embarrassment to him because her mother was
		handicapped. She was one-eyed. Since her mother donated one of her eyes
		to him, she has always been one-eyed
27.	8	He asked his mather why she was not having the other eye to show his resentment. Not waiting his mother to go to school is not the main reason
:		being that even after he got a well-paying job his hate for the mother never
		changed
28.	A	The word 'taunted' as used in the passage means that other pupils were
		meking fun of him. To encourage means to loster, motivate or to give hope.
29.	D	His mother was crying quirtly decease she never waited her son to be
30.	D	discover her painful feelings. The phrase there was something pinching at me at the corner of
30.		my heart' means that he was feeling guilty of her action.
31.	A	The writer asked the mother she was out of pretence. He knew his
		mother very well but he was just tying to find a way of keeping her off.
32.	8	He was revealed because he thought that his one eyed mother could not
:		remember him especially when she said that she might have got the wrong address
33.	C	The writer wanted his wife to know about his background(his one -eyed
33.		mother who was canbarrassment to him). From this, he decided to lie
	e Acus	In his wife that he was some on business trip
34.	C	The writer received the letter when he was still is Seoni
35.	D	When her son lost of his eyes in an accident, out of lave, de donated one of her eyes to her son whom she was really proud of.
36.	B	The write was; barbarous - he wished his dead.
200		deceitful - he lied to his wife.
	1	intolerant - he could not cope with the condition of the mother.
		A selfless person is a person who is motivated to help others. The writer's mother wrote a letter to him because she wanted him to
37.	8	the winer's mount whom a ment to thin because and why and how
		she hecame one-eved.
38.	A	The best title for this passage is 'mother's Sacrifice'.
		Choice D is wrong because the son only deceit his wife. Organisation which is brought about by politics enables a country to
39.	C	Work as per specific guidelines
40.		I The main from the conditions of the opposition is to question
	1	when were. This means that they are policing the government
41.	A	Some of the constituents of dirty politics according to the passage are:
		i) Spreading fake news propaganda) ii) Giving provocative speech (incitement)
42	A	The word 'exvist' as used in the passage means being gender biased.
42. 43.	1 8	Ministers usually set away with crime because they feel superior and invincible.
,		They are not actually invincible but it is an act of feeling undefeated.
		and the contract of the contra
44.	C	This act of not delivering on the promises is referred to as being dishonest. Disloyal means not demonstrating constant support for someone or something
45.	lo	According to the passage the following factors contributes to election of unqualified
		Însante into political offices.
		i) Chizons being galifide - Paragraph 6
		ii) Power and money. iii) Insurgent regulations - Minimum education qualifications.
	l	Being a citizen is a general factor that is common to all.
46.	i d	The word 'badly' has been used in the last paragraph. We needed educated ministers badly in
		Ithe onverseest. The word 'badly' here means very much.
47.	8	The writer compares uneducated politicions with parasites they are schish and swindle passite resources. They rip where they have not sown
40		The last sentence - All of us must unite to break the wheel and woe for the prosperous
48.	A	frame of our country brings out the aspect of optimism.
49.	lc	The malities needed in politicians to sper the grown are being learned and responsione
50.	В	The most appropriate title foe this effects of dirty politics. It has severally being
	en all and a second	mentioned in the passage.
		EVALUATION OF THE PROPERTY OF
	4	
		Production of the Control of the Con
	E	

	Лb	Maclezo	Stadi
l.	A	Neno thatili na dhatili ni vitate.	Ufahamu
2.	D	Mnyambaliko sahihi ni kujitokea, A, B, C, hayajanyamuliwa sahihi.	Matemizi
3.	D	News tosiwe instantika kujumulisha na pia imekamshwa vilivyo.	Ufahamu
4.	В	Bali ni kiunganishi cha kuongeza maelezo zaidi.	Ufahamu
5 . (C	Msamiati wa methali huwa haubadiliki kamwe.	Wezi
6.	D	Jukumu ni ngeli ya LI -YA , wajibu U-U .	Ufzhemu
7 .	В	Msamiati sahihi ni imekadilika	Matumizi
8.	A	Ngeli mwafaka katika wingi ni vielelezo – LI-YA	Ujuzi
9.	A	Msemo tunaolaza damu ndio unaotoa maelezo kamili ya mzungumzaji . B,C,D yana maelezo tofauti.	Ujazi
10.	C	Matumizi ya ji- mtendaji	Ufaliamii
11.	В	Asilani ndilo neon mwafaka linalotilia mkazo wa mneneji. C na D ni vinnganishi	Ufahamu.
12.	C	A ni wakati timilifu, B, ni wakati uliopo D ni wakati tegemezi	
13.	D	A – unganifu sahihi ni za mayorejelea wingi katika ngeli husika	Ufalizmu
14.	D	Msamiati mbadala B- ni sawa na vitenzi D ni sawa na vihusishi	Ujuzi
15.	A	Alama sahihi ya kuonyesha vitu orodha .	Ujezi
16.	D	O -rejeshi haikanushwi bali kitenzi kwenye sentensi	Hahamu
17.	D	A – ni kivumishi cha pekee, B pia ni cha pekee, D haina kivumishi chochote.	Ujuzi
18.	A	Alipika akiimba matumizi ya ki yanaonyesha vitendo viwili vinavyolanyika wakati mmoja.	Matemizi
19.	В	A-ni wakati uliopita hali ukanusho, B-ni wakati timilifu, D ni wakati wa mazoea	Matumizi.
20.	В	Nomono za wingi mara nyingi huwa ni vitu vioevu/ majimaji.	Ufabamu.
21.	D	Nomino moto huwa tu katika ngeli ya U-U pekee .	Ulahamu
22.	o	A-kitengele pia huitwa kiganja, B, kwapa huwa sehemu ya chini ya bega C, nyongo huwa chini ya kimi	
		wala si inn	Ufahamu.
23.	В	A-ni aina ya vimilikishi , C ni viunganishi, D ni vihisishi.	Uselemu.
24.	c	aeiou-nivokali	Ufahamu.
25.	D	Taifa ni neno linalopatikana katika ngeli ya LI-YA	Jointania.
26.	В	Kinyume mwafaka cha neno chimba ni funika	Ujuzi
27.	מ	Umeshindaje ni maankuzi ya wakati womote	Matomizi.
28.	В	A – kinaashiria mara kwa mara , D pia , licha ya	Vincei. Upezi
29.	c	Uundaji sawa wa maneno . A, cheka nikiteni wala sio sifa , B mwalimu ni nomino , D nyuzi ni nomino.	
30.	A	Vikembe, B ni cha ndege, C na D ni makazi ya wanyama.	Ujuzi
31.	c	Mume hakuwa na mia mbaya kamwe dhidi ya mkewe	UEArama '
32.	1 1	Kulingana na mke, wageni watarajiwa walikuwa wa kawaida.	Ushama
33.	D	Mkewe hakujali wala kutaka wageni waje kwake.	Ujezi
34.	1 1	B – tutendee wenzetu yale tungeweza kutendewa. Matumizi. C – Mabaya tunayowatukia wengine	nlusi
		menda yakatukumba.	į
35.		namanisha kuwa ana mtazamo mbadala , yaani akipenda.	a Caraci
36.	A	A - Kumfumba mta, B - mfaranisho , D- kinyame	Ujuzi UEdamo
37.		Nahau . A – hali ya kujuta	¥
38.	В	Ukweli ni kuwa mume aliwaheshimu wazazi wa mkewe	Matumizi.
39.	1 .	Kisawe cha neno saili ni uliza	Ufahamu. Ufahamu
40.		Muune alifahamu fika kuwa wazazi wa mke walikuwa wageni	Į.
41.		idadi kamili ni ile diyono katika jawalar hili kulingana na mfahama.	Ufahamu.
42.		Kulingana na maelezo ufahamuni maelezo haya ndio sahihi	Ulahanna
43.		A B na C ni visawe vya neno fariki	Ujuzi
44.		fawabu hili ndilo lina maelezo sahihi	Ufahamu
45.		A - yana maana fiche, B - kutilia chumyi	Ufahamu
46.	•	Farakimu sahihi kwa berufi ni 22, 473 kulingana na ufahamu.	t
47.		Methali yenye maelezo sawa na kauli husika	Ujuzi
48.			Matumizi.
49		Upungufu wa dawa vipimo visivyofaa udiyo chanzo kuu cha kifo kulingana na ufahamu. Kutokana na ufahamu, jawabu hili udilo lina maelezo ya kweli.	Ufahamu
50.		Tunafaa kutafiti kakati kabambwe ya kuzuia maambukizi ya ugonjwa wa nimonia	Ufahamu
		wa nimonia	Ujuzi

No	Ans	Reasoning and Explanation	Cognitive
	<u> </u>		
ł.,	A	Legal drugs in Kenya includes alcohol, tobacco and khat (miraa). Bhang, cocaine,	Knowledge
2.	Helicology	mandrax and inhalants are illegal drugs in Kenya A Incubation stage Symptomatic Stage	
464	3	A HIV test show positive results. A HIV test shows positive results.	
•	Į	No visible signs Signs begin to show	
		The patient can transmit the virus knowingly The patient can transmit the virus	
		The patient has no AIDS The patient looks healthy The body's immunity begins to get weaker.	Synthesis
3.	D	The patient looks healthy The body's immunity begins to get weaker. BCG - At birth only	
J.	1 -	Antipolio at birth, 6, 10 and 14 weeks	
	Ī	DPT - 6, 10 and 14 weeks	
		Antimensles / yellow fever - 9 months	A1
	1	Hepatitis	Analysis
4.	l D	Interdependence between plants are always in which plants depend on either plants. Plants depend on each other for food, shade, habit and support.	Comprehension
5.	8	Tap root	
٠,		legumes like beans, peas, groundants abs green grams.	
	l	Tubers like potatoes, (both sweet and irish), carrots, cassava and yams, mango, kales, accacia,	
		cabbage and most of the weeds except wandering jew.	
		Fibrous root	-
		Cereals like maize, millet and sorghum Onions, sugarcane, grass, sisal, banana, cocount and wandering jew.	Evaluation
б.	A	Politication can still take place even if the ambers are decreased. This can be through	
		self - pollination (from a different flower with the same plant) or cross pollination.	
	1	Therefore the ovary will develop into fruit and ovules develop into seeds	Evaluation
7.	C	The above method of separating mixtures is called sieving. It is used to separate solids of	Comprehension
0	В	different sizes. Rice and sand are of almost the same sizes therefore can be separated by picking The above signs are of typhoid.	Compression
8.		Water-borne diseases can best be controlled by maintaining high standards of environment	
		and personal hygiene	Symbosis
9.	В	Use of low temperature like freezing and refrigeration make the bacteria inactive	Knowledge
10.	D	Water does not prevent constipation. Constipation is controlled by taking food rich in dictary fibre.	Comprehension Comprehension
11.	C	Milk pumpkin and kales are rich in vitamins. Mutton (meat) is mainly rich in protein. A blanket is an insulator. It prevents our bodies from losing heat to surrounding. it is in a whichever	Confranciamion
12.	D	way not a source of heat from our bodies to provide warmin. Warmin comes from our bodies which	
		stoods to be tatefund by an insulator. (blanket)	Evaluation
13.	A	Heat reaches a boy standing next a burning jiko through radiation. In between there is air but	
:		this method of heat transfer does not require the assistance of air. Just like heat from the sun reaches	
1.4	B	the earth through radiation but it A does not mean that in between is a vacuum. Light does not provide us with warmth.	Evaluation
14. 15.	A	Cultivating close to a riverbank encourages soil erosion. This soil particles pollute water.	
		Water is conserved through the following ways.	
		a) Harvesting water	
	_	b) Re -using water	
		c) Recycling water. d) Using water sparingly.	Knowledge
16.	С	A and D - Principle of reflection of light.	
		B - Light travels in a straight line.	
The state of the s		C-Refraction of light.	Analysis
17.	Ċ	Both ball bearing and a metallic bowl are made of the same material. One Floats and the other	
		one sinks because they are different shaoes.	Comprehension
. 18.	A	The best procedure is A.	
10	В	D iii, i, ii - When covering the candle with the glass jar, displaced water may topple the burning candle. Friction force is useful in running, cycling and digging for stability	
19.	9	Digging friction improves the grip.	Application
20.	D	The diagrams are of a whale (mammal) and a bird. Whales do not lay eggs	
		Both mammals (whale) and birds,	P. A. Carlotter and Carlotter
		a) Breath through lungs.	The state of the s
	g	b) have internal fertilisation	
		c) are warm blooded d) Take care of their young ones.	Analysis
21.	c	Both external and internal parasites can be controlled by practicing rotational grazing. It breaks the life	
		cycle of the parasites	. Comprehension
22.	A	Dairy cows - mainly milk but also provides us with beef	Comprehension
1	1		•

	·		
23.	В	A person who is already infected can best prevent himself from spreading the disease by being	
23.	D	isolated and given immediate treatment.	Application
24.	m	to be a fact that HIV/AIDS weakens the body's immunity.	Knowledge
25.	Ā	Sunflower, cotton, cocount, groundnuts, maize, macadia are some of the oil crops.	Comprehension
26.	2	Physical changes adolescent girls.	
20.	_	Hips broadens	
1		Hair grows in pubic areas	
1		Breasts enlarge	
		Pimples may appear on the faces	
\$		Production of mature female sex cells	Analysis
and the second s		Repá body gová.	2333437 444
27.	A	Urîne is produced in the liver.	
. 1		The part marked W	
		Y - (Bladder) Temperarily stores urine.	
		X - (Ureter) - Transports urine to the bladder z - (Urethra) - Allows for the passage of urine to the outside.	Knowledge
		Z - (Creams) - Asserts for the passage of arms as an observed the passage of arms as an observed blood from the lungs to the heart.	Comprehension
28.	A	Mich explic eightene Lennensia ann ameirare colfingen over non me mach and an ann and an ann an ann an an an an an an an an a	
29.		Canines - are used for tearing.	
		Molars and pre molars are used for chewing to extract juice.	1
		Incisors are not used	Comprehension
30.		Compost manure is prepared from any form of organic waste. Farmyard manure -	
30.	•	Animal waste and heddings.	Compachension
31.	B	The above method tethering - a method of retainment graving.	l Evaluation
		Fivestock can be fed on any type of feed.	Knowledge
32.	C	Water and mineral salts are absorbed in the large intestine (colon)	Knowledge
33.	l a	Only solids have definite shape	MINWINE
34.	В	The mass of an object is measured using a beam balance.	Comprehension
35.	D	Weight is the gravitational pull experienced by an object.	#-03250 - 035-45-10-10-10-10-10-10-10-10-10-10-10-10-10-
36.	D	The two liquids are immiscible	
		E - Petrol, kerosene, cooking all or diesel	
* - * * * * * * * * * * * * * * * * * *		F - Water, milk, methylated spirit, ink	Synthesis
		F is denser than E.	Comprehension
37.	1 ~	Vitrogen gas is used by leguminous plants to make protein. Major components of the environment are air, water, soil, plants and animals.	Knowledge
38.	C	Signs and Symptoms of marasmus	
39.	C	Muscles westers	
100 mm		wrinkles on the skin	
		Severe loss of weight	
	Į	The child looks like an old person.	
	1	Sores at the corner of the month is a sign of Kwashiokor	Analysis
40.	A	Materials required when modelling the solar system are	
		i) Clay /plasticine / candle/ papier mache	
		ii) Soft board	•
*	1	iii) Manila paper	
	1	iv) Name tags	1
		v) Glue	Synthesis
		y) Pins / thoms/ pieces of harbed wire.	
41.		Direction of sunset-West The arrow of a windvane point where the wind is blowing from.	Comprehension
35	1	Clay soil cracks when dry and Sandy soil has best dramage.	Analysis
42.	1 5	Ants, millipedes, snails, slugs and centipede are some of the small animals that live in soil.	Knowledge
43. 44.	1 1	Storage pests attack stored crops	
44.	3.3	Examples are weevils, mite, rodents, weaverbird is a field peat.	Comprehension
45.	l A	and the second of the second o	
40.		Present the feeters from accidental injuries.	
		Moistens the foctus.	
		Allows for free movement	4
	*	Act as shock absorber.	Analysis Comprehension
46.	A	Bicycles dynamo, wind - driven turbines and petrol -driven generators are all types os generator	Comprehension
47.	I	Spade and fishing road have effort between the load and the fulcrum.	Knowledge
48.	1	Cooling parts of machine is a use of water in industries.	1700 112000
49.	1	Rubber band does not allow the electric current to pass through it. It is a poor conductor	Knowledge
	3	i ef electricity	
50	Į D	Desmodium is a leguminous plant that mainly provide the livestock with protein.	Comprehension
a in the		It is not a commercial feed.	
	etheride.		

7	Ans	Reasons and Explanation
	А	Land slopes from a highland to a low land. Hence South to North East
2	C	Near the sow mill, highland, also presence of tea - Red volcanic soil i.e Tea, Coffee and Pyre thrum.
3	D	The highest point is the place with the highest altitude. This is shown in the map by the source of
7		then River(New the saw mill)
4	€	Approximate area of the cattle ranch.
Mary		Draw squares of 1 cm each to cover the area.
1	-	Count the number of complete squares
_ 1	-	Make the incomplete squares and add to the previous complete their multiply - (10km)
5	D	Crop forming - Tea
		Transport - road Trade - Market and Shops
		Fishing - No fishing evidence.
6	C	The main factor that has influenced the location and growth of Katana town transport activities.
~	~	It is located at cross roads (junction
7	€	Saw mills are located near the source of raw materials due to nature /bulkiness of the raw materials.
_	~	(Near the forcet)
8	C	Congo Basin - Bentu
1	:	Horn of Africa - Cushites
1		Bahrel -Ghazal - Nilotes (Nile valley)
1	1	Arabian Peninsula - Semites
9	A	Ngwenyama -King (lion)
STATE OF THE PERSON NAMED IN		Ndovikazi - The Queen mother
Jakaset.		Sikhuku - The Chief
. 1	_	Lusendro - Royal family
10	C	The massai practices traumance
		They grow food crops around their shelters.
		They mainly keep large herds of animals for prestige.
11	206	They don't keep their animals in ranches.
11	B	Headteacher - supervises activities Write minutes during committee meeting
. 1		Receives school funds
1		Handles school finances
		Admits new pupils.
Senson Senson		Chair staff meeting.
12	A	Winds R - South West trade winds.
13	B	Winds of Acces blow parallel to the constline hence not enough rainfall.
E SHANK	į.	At Axim blow across the coastline bringing alot of rainfall.
14	D	Ameru - Council of elders
	-	Maasai - Council of elders
		Abawanga - Kings
15	C	Kenyan citizen by registration
擊		a foreigner must live in the country for atleast 7 years. Child adopted by a citizen.
- 4		Chiq ficher by a chiati.
14		
16	D	Phases of the moon.
16	Ð	Phases of the moon. a) New moon - rain season
And the Control of th		Phases of the moon. a) New moon - rain season b) Full moon - Dry season
A STATE OF THE STA		Phases of the moon. a) New moon - rain season b) Full moon - Dry season Vasco Da Gama - Earliest exporer to E.A coast.
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17	0	Phases of the moon. a) New moon - rain season b) Full moon - Dry season Vasco Da Gama - Earliest exporer to E.A coast. Looking for a shorter sea route to India. Was a soldier.
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I			
		Africa lies to the south of	
23	A	Africa nes to me soun of East, of the Atlantic Ocean	
		West of Indian Ocean.	
		South West of Asia.	
		South of Mediterranean sea	
24	C	Importance of temperatures of Kenyan Constitution	
		shows the rules and regulations Promotes National Unity	
		Protects human rights.	
		Upholds the rule of law.	
		extractive of the government	
25	D	Most widespread means of communication in rural area is the radio occause it can reach many poop	
		for the shorter time possible.	
26	D	Main problem facing road transport is Inadequate funds to build mordern roads	
	1.	It is expensive to construct roads. Niemi - Nyannezi chiefs	
27	A	Kabaka - Buganda kins	
	1	Minulo - Tax collector in Nyamwezi chiefdom.	
28	A	Copper - gas pipes	
		coins	
		Alloys	
		Tv screens Expedices	
	and the same	Electric wires	
	1	Telephone wires.	
29	l c	Samori Toure - resisted	
		Mekatilili - Resisted	
	1	Kabaka Mwanga - Resisted	
		Lewanika - Collaborated	
30	B	The senate assembly discusses all matters related to the counties They do overnight role.	
	1	Approves by -laws mode by the counties.	
31	B	Cameroon - Younde	
31	1 -	Zimbabwe - Harare	
		Angola - Luanda	
		Gabon - Libriville	
31	D	Effects of deforestation Climate	
	1	Soil erosion	
	A.	Drought	
		Reduced volume of water(main)	
		Affects the water and carbon cycle.	
33	D	Trading blocks were formed to promote trade by eliminating trade barriers.	
	1	Main problem facing them is production of similar goods. Assimilation - France Senegal	
34	C	Association - Alternative used after assimilation failed.	
	1	Direct rules - Belgian-	
	Approxima	British	
	100	Gennaus	
	1	DRC	
	1	Kenya	
	1	Tanganyika Mozambique	
	N. C.	Indirect rule - British	
		Northern Nigeria	
33	18	3	
		Splash erosion	
		Sheet erosion Gulley erosion gabions /check dams	
36	1 (* I P_chal_Denum armino(VKCBMC)	
37	1 (Wood - insecurity - last community to migrate into Eastern Africa from the South.	
38	€.	k IS - horn of Africa - affected by -shape of the land, winds and ocean currents.	
39	3	I O - rainforest - Tail trees close together forming a canopy.	
	N. Carlot	Little or no undergrowth.	
10 Pu		Huge trunks Creepers and Linnas	
40	I A		
40	1	Lalibera - Ethiopia	
731		C-1-002	٠.

_		
and the same		Kiobo Fora - Kenya
9	1	Njongezi - Uganda
41	O į	Flind Mather was the first Africa to be nominated to legco in 1954.
42	C	Ways of promoting peace
•		Forgiveness
	1	Reconciliation Fair distribution of resources.
- 1	2	Fair application of the law
and a	6	Fair appreciant of inc sav Equal job opportunities.
42	ja 🖁	20 -26, rinker from strong wieds
42	•	Bananas 150-21 - high altitudes
9		Slightly acidic soil - Tea
	.]	-19-26 - Coffee.
		Open 74 variety of soil low rainfall - sisal.
44	D	The best way to carb drug and substance abuse is by increasing public awareness on the dangers
		of absolute denses desired for the effects of drugs.
45	13	Civil manages - government officials og the A.G. magistrate DC ctc
		Customary - Clan elders
		Religious - Religious leaders.
46	В	Mazsai , Njemps - Plain Nilotes.
		Rendile, Borana, Sanya, Galla - Cushites - Gabbia
		Kipsigis, Sahaot - Highland Nilotes
		Thegen, Engl. Someti - Orshites
47	C	Zimbabwe - armed struggle Guenilla warfare
48	C	Salting, smoking, sundrying -traditional Canning, freezing - Modern
•••		Canning, according - watern
49	B	MP-minimum age -21 years MCA - minimum age - 18 years
		Voter - minimum age - 18 years
		Fresiden - minimum age - 21 years.
50	В	Ways of managing rapid population growth
30	1 -	Best - Family planning
] .	National population policy
		Discouraging culture practices
		Discouraging immigration
51	D	Effects of the children
•		Position of overhead sun.
	1	Varying length of day and night
		Eclipses
		Rotadon - cifects - day and night
	Water Company	§ Sea sides
		Difference in time.
	- A	Rising and seeing of the sun
52	1 6	Senegal, Cunene, Orange, Niger, Antlatinc Ocean, Limpopo, Zambezi, Shibelli, Runema, Indian Ocean
	1	
53	€	Trede -(main) Social media
	SE S	futer warrings
		Source very aboute
		Mary way of organical and a summary
	1	Education.
54	В	
~ .	_	Liberate African countries. (2nd main)
	i	HIV /AIDS - AU
	***	Fighting corruption - AU
	SAN CAR	Greater make - AU
55	1 8	Problems facing tourism
		lasecurity - (terrorism)
	\$	Poor transport
	Ī	High taxes
		Travel advisers
	Machan	Posching
56	1 13	T. 1. 2007 Californial paragramant
57		
-	enterior.	12th Dec 1963 - Independence day 20th Dec - 1964 - Freedom fighters arrested
	1	12th Dec - 1964 - Kenya became a republic
***	ndderst:	School routine system of planned activities intended to take place in a school.
58	i P	EDVINON IONTHIP SECTION OF PERSONNEL MARCE SPEAK
D:	aint	Code 002 - 12 4

	1	
•		It helps to manage time which promotes order in the school. Nami - Controlled trade
9	D	Settled only cases of murker
		Commanded inchief of the armed forces.
		Chief Prest - offered sacrifices to the Gods
0	A	Navigation - Taking the matter court
	Ì	Arbitration - Inviting a third party who is an official to solve a dispute.
		Conciliation - Forming an independent conversion to investigate.
		Negotization - Discussing the matter with one another. CRE
lo	Ans	Reasoning and Explanation
1	A	Pain dung Laban
		Subject to men and desire for man.
	!	enemity with the snake.
2	D	Abraham is known as a friend of God because he obeyed and trusted in God
3	lc	Noah -relief Moses - Midian
13		Abraham - Haran
4	c	Bethel - dreamt
-		Peniel - wrestled
55	C	Make no images or bow down to idols was a command broken by the Israelites when they
	1_	worshipped golden calf into the wilderness (2nd commandment)
6	В	David - annoyed God he: Killed Uriah
		Committed adultery
	7	Coveted.
7	D	Pressover - remember God's saving plan
8	C	lescaniah - Complained that he was too young and he didn't know how to speak.
9	В	Saul -Samuel
		David - Samuel
0		Solomon - Nathan and priest Zadock. According to the story of David played the harp which could send away evil spirits disturbing
U	A	Saul. Leisure time should be used to others.
1	D	
	1	Joseph - Jerusalem
2		B,C,D are Beatitudes taught from the sermon on the mountain, is not a beatitude Mathew
3	C	Baptism - This is my own dean Sove with who am pleased with
	1 -	Transfiguration - This is my own dear with whom i am pleased. Listen to him.
/ 4	1 5	Widow and judge Pharisees and tax collectors.
		Friend at midnight about prayers.
		Prodigal son - Acceptance.
		Forgiveness and repentance.
5	B	Paralysed man - Power to forgive sin
		Walking on water - Power on nature .
		Blind Btimaeus - Light of the God Raising Lazarus daughter - Seek help / Jesus had power over death.
6	b	Cleopas and others disciples were on the way from Jerusalem to Emmans.
7		Matthew - tax collector
	l	Peter, John and James - Fisherman.
8		Before Pontius Pilate (Roman governor) claiming to be the king
		Misleading people and subverting the nation
		Inciting people not to pay taxes. Claiming to be the son of God (blasphemy) and destroying the temple and rebuilding in
		3 years - religious -carphas (Sanhedrin)
9	I A	Pentecost - God's presence - sand like a mighty wind, tongues of fire.
0		Tax collector - not collect more than legal
		Honest
		Soldiers - Content with pay
	-	Not rob people with violence
1	1	Not accuse anyone falsely.
1	D	Simon of Cyrene - Carried the cross Joseph of Armathea - Offered his tomb for Jesus to be burried.
2	A	la a ⁻
- 3	1	Religious leaders in ATR - priests, prophets and diviners.
	1	Bishops are found in Christianity.

84		Children in Als - mainly taught respect and obedience.
85		Christians should obey their leaders because there is authority one chosen by God when they Obey.
86	A	Patience - fruit
87	В	Faith, wisdom, preaching - gifts Children must practice chastity - remain pure and resist any sexual temptations.
88 89	B	Best use of Christian wealth - help the community or the less fortunate in the society. Last Supper - Passover feast became in both, there is redemption (saving)
90		The church mssionary Society *CMC) - Sent Dr Ludwig Kraft and Johanns Rebman to spread Christianity in Eastern Africa.
		Chishanny in Cashan Alika.
•		
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1		
	Track Comment	
		Barting

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