



SECTION A

1. Sun
2. Have 3 main body parts, 3 pairs of jointed legs (6legs)
3. Friction force
4. Using a strip cup
5. To enable oxygenated blood flow towards the brain
6. To dig in rock, stony or hard areas
7. To transport oxygen
8. $D = \frac{M}{V} = \frac{60g}{15cc} = 4g/cc$
9. Crude oil, coal
10. Nostril
11. Sand soil
12. Water contains oxygen, water is denser than Petrol so petrol will float and continue burning
13. Plant - locust - turkey - kite - bacteria
14. Anemometer
15. Arteries carry blood away from the heart while veins bring blood to the heart. / Arteries carry oxygenated blood except pulmonary artery while veins carry deoxygenated blood except pulmonary vein.
16. It cannot be spread from an infected person to a health one.
17. Male and female cells are produced from different plants.
18. Washing hands with clean running water and soap, avoid body contact with an infected person
19. Converging lens (convex)
20. Suture joint
21. Amino acids
22. By intramuscular injection, orally
23. To break down nitrogen to a nitrate fertilizer
24. Sunken eyes, little or no urine, sunken fontanelle, pinched skin takes time to come back
25. Strong hitting, dropping magnets down, keeping it with like poles together, keeping it while facing East West direction.
26. Using suckers, using crown, using slips
27. 
28. It causes evaporation and transpiration
29. To measure amount of electricity used in a circuit.
30. Due to upthrust force, buoyancy
31. still birth, underweight babies, premature deliveries, low mental ability
32. Polio
33. 
34. Look for new habitats, mating, protection/security
35. It kills his chicks
36. Homosexuality, lesbianism, incest, bestiality, rape, defilement
37. They lead to skin damage, death, change in skin colour, can damage tendons
38. yeast/bacteria
39. New substances which are irreversible, change in weight.
40. Oestrogen hormone, progesterone hormone

SECTION B

41. a) This is the keeping of food free/ safe from germs/ rotting
b) Tinning/canning/freezing/ refrigerating/ pasteurization, sterilization
c) It drains moisture
42. a) It causes expansion, contraction, increase in size, cause temperatures to rise
b) Sun, electricity, fire
c) i) solids - conduction ii) gases - convection
43. a) Right bronchus (reject only bronchus)

- b) To keep it open all the time
- c) Gaseous exchange
- d) smoking
44. a) Fuse, switch, conductor, ammeter, voltmeter, bulb
b) $1.5 \times 4 = 6$ volts
c) Both break the circuit
d) Electric shock
45. a) For easy mating, to destroy hiding places for germs
b) To fatten, be docile, prevent inbreeding, prevent hereditary diseases
c) Dozing and drenching
d) Cross breeding
46. a) i) A - Incident ray ii) M - Emergency ray
b) L_r - Angle of refraction
c) Due to movement from a less dense medium to a more dense medium
47. a) Loss of consciousness for a short time
b) Lack of blood with enough oxygen flowing to the brain/little flow of enough oxygenated blood to the brain
c) To enable the casualty have enough air with oxygen
d) To enable oxygenated blood flow to the brain.
48. a) Candidiasis, athlete's foot
b) Penicillium fungi (special type of mould)
c) cell division/binary fusion
d) Food, moisture, warmth
49. a) First class
b) Q - Pivot / fulcrum
c) $L \times LA = E \times EA$
 $60 \times 4 = 5 \times K$
 $\frac{240}{5} = \frac{5K}{5}$
 $K = 48$
- Ruth is 48kg
50. a) Resources that provides necessary/ useful energy to people
b) Wind, solar, biogas, brinquetes, hydro electricity
c) i) Solid - coal
ii) Liquid - crude oil/ petroleum
51. a) Pitch is the highness or lowness of sound while volume is the loudness or softness of sound.
b) By sound waves
c) Tension, frequency, length/size of the vibrating object, material, thickness, thinness of the material
d) Writing and recording
52. a) Liver - dead red blood cells
b) Kidney - uric acid
c) Skin - sweat
d) Lung - carbondioxide
53. a) Soil contains water
b) For photosynthesis as a raw material
c) sun
d) modeling, plant growth, building
54. a) Fallopian tube/ oviduct
b) Vasectomy
c) To secrete (produce) semen/ fluid through which sperms travel/swim
d) Regular cleaning, balanced diet, regular physical exercise, abstaining from sexual intercourse (reject abstaining only)
55. a) Have juicy epicarps, have hooks, good scent, seed coat that cannot be destroyed by digestive juices
b) Prevents extinctions, increases food production reduces overcrowding and competition, helps plants to colonise new area,
c) Wind, flowing water



KAMPALA CAPITAL CITY AUTHORITY P.7 S.S.T MOCK MARKING GUIDE 2023


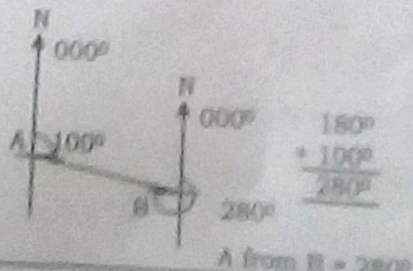
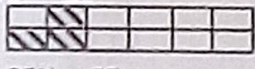
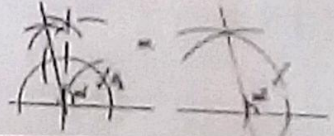
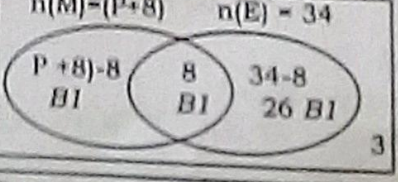
SECTION A

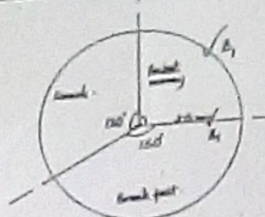
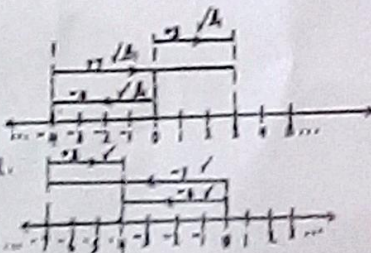
1. Father
2. D.R.C - Democratic Republic of Congo
3. Identification/Unity
4. millimeters
5. waterfall
6. Elections held to replace a vacant political post
7. discovery of fire
8. drought/lack of rain/too much sunshine/floods/desertification etc
9. By birth
10. Strait of Gibraltar
11. Vice chairperson
12. Poor roads, untrained drivers, old vehicles etc
13. defilement/child labour/corporal punishment/child neglect etc
14. Mungo park
15. He wrote a letter inviting missionaries to come to Uganda on behalf of the Kabaka
16. Estimation of income and expenditure
17. Uganda has many tribes with many languages/Uganda is a multi-lingual country
18. Timber is a water proof
19. oases/oasis
20. Pipeline
21. Nilotics, River-lake Nilotes
22. L.C. 5
23. Southern region
24. Ecomoa
25. East African Anthem
26. Their land was divided into two parts/Kabaka's power were reduced/introduction of taxes
27. Monsoon winds
28. He wrote magazines, newspapers and reports about the evil practices of slave trade
29. The movement of the Boers from the cape colony of South Africa to the new found lands in the interior of South Africa.
30. Irrigation
31. Cotton
32. Rwenzori was formed as a result of faulting (block) while Drakensburg was formed a result of vulcanicity
33. Secretariat
34. Introduction small scale industries in rural areas
35. Ethiopia
36. **Either:** Bringing back the lost friendship
Or: Bringing back the lost friendship
37. **Either:** Holy communion/Holy Eucharist
Or: Zakat
38. **Either:** Talent
Or: Talent
39. **Either:** African Traditional Religion
Or: African Traditional Religion
40. **Either:** Joshua
Or: Joshua

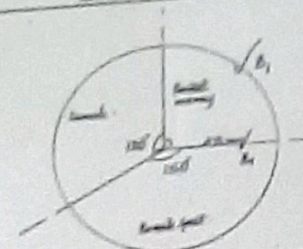
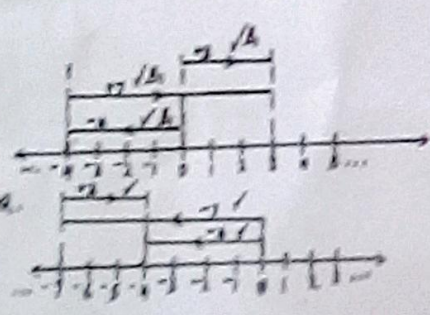
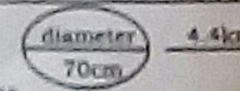
SECTION B

41. a) Average weather conditions recorded for a long time
b) Mediterranean Sea
c) Tropical
42. a) Tembuzi
b) Kingdom was too large to be ruled by one ruler/death of their cow bihogo/invasion of the Luo Babito
c) Introduced mweso game/introduced long horned cattle/ introduced new crops etc
43. a) Slave trade - selling and buying of human beings
b) Monetary trade - trade using money
c) Barter trade - exchange of goods to goods

- d) Long distance trade - trade from the coast of East Africa to the interior of East Africa.
44. a) (i) G - Strait of Gibraltar
(ii) T - Atlantic ocean
(iii) Z - Indian ocean
b)
45. a) Income, expenditure
b) Surplus budget
c) Taxes, donation, fines, tourism
46. a) General counting of people in a country
b) To plan for the people/to know the structure (female and males)
c) It is costly /expensive/Easy for planning purposes
d) Ministry of Finance planning and economic development
47. a) Is the art of travelling to see new interesting things.
b) It generates income/it employs people
c) Poaching/poor roads/ insecurity etc
d) For accommodation
48. a) Kenya, Tanzania
b) Africans had weak weapons/Europeans were strong than Africans
c) Africans land was returned/Africans got independence
49. a) Expansion of industries in an area
b) Presence of capital/electricity/land/skilled labour/water /raw materials/machinery
c) Minerals are found in remote areas/lack of machinery/lack of funds/lack of skilled labor
50. a) Areas around great lakes of East Africa
b) Wanga Kingdom
c)
d) Royal drum/spear/throne/shield etc
51. a) Religious marriage/civil/customary
b) To produce children/to be respected/have company/have sex
c) hardworking/respectful/faithful/good back ground/God fearing etc
52. **Either:** a) Jesus
b) Disciples
c) Without Jesus you cannot reach God
d) God
Or: a) Believe in one God Allah and his prophet Mohammed/ Pray five times a day/offer zakat/pilgrimage to mecca/ fasting
b) You become a true believer of Islamic religion
c) Zakat
53. **Either:** a) Genesis
b) Dust
c) To give man company
d) Man
Or: a) dust
b) Paradise
c) (i) Light (ii) man
54. a) Any bad act against God's will
b) fighting/stealing/committing adultery/false accusation etc
c) death/punishment/imprisonment/shame/you are neglected etc
55. **Either:** a) Bible, rosary, cross, holy water, holy bread etc
b) For identification/identity/strengthen ones faith
Or: a) Kalidi, Crescent, Quran, star, moon
b) For healthy, strengthen one's faith

SECTION A (40marks)		SOLUTIONS	COMMENT
1.	$6 + 3 = 2$ or $\frac{3}{2} \times 6$ $2 \times 3 = \frac{-6}{-}$		B2 For 6
2.	(PnQ) ¹ 		B2 For correct shaded Venn diagram
3.	$(81 - 11) \div 7$ M1 $70 \div 7$ 10 A1		M1 For the method (Distributive property) A1 for 10
4.	Two thousand twenty three. B2		B2 For correct answer only.
5.	$2^2, 4^3, 7^5, 12^7, 19^{11}, 30$ A1 OR $2 + 2 = 4$ $4 + 3 = 7$ M1 $7 + 5 = 12$ $12 + 7 = 19$ $19 + 11 = 30$ A1		M1 For correct method / working A1 For 30
6.	$3 - 2m < 7$ $3 - 3 - 2m < 7 - 3$ M1 $-2m > 4$ $-2 > -2$ $m > -2$ A1		M1 For correct method A1 For $m > -2$
7.	$\frac{0.65}{20} \times 100$ M1 A1 $\frac{13.00}{20} \times 100$ OR $\frac{13.00}{0.65}$ $2 \times 5 = 10.00$ 1.00 $2 \times 0.5 = 1.00$ OR $\frac{13 \times 5}{20 \times 5} = \frac{65}{100} = 0.65$		M1 For correct working A1 for 0.65 follow thru'
8.	$-5^\circ\text{C} + ^\circ 8 = ^\circ 3$ A1		M1 For $-5 + ^\circ 8$ A1 For $^ \circ 3$
9.	No. 2 6 7 8 or 2 6 7 8 Freq. 1 3 2 1 Modal mark = 6 B2		B2 For 6
10.	Distance: $1\text{km} = 1000\text{m}$ $54\text{km} = 54 \times 1000\text{m}$ $= 54000\text{m}$ Time: $1\text{hr} = 3600\text{sec}$ $\frac{54000\text{m}}{3600\text{sec}}$ M1 $= 15\text{m/sec}$ A1		M1 For correct working A1 For 15m/sec
11.			B2 For 280° Follow through
12.	First 30 words = sh. 20,000 Extra words (45 - 30) Sh. $1000 \times 15 =$ sh. 15000 B1 sh. 35000 B1		B1 For sh. 15000 B1 For sh. 35000 Follow thru'
13.	$1\text{m} = 100\text{cm}$ $1\text{m}^2 = 100\text{cm} \times 100\text{cm}$ $= 10000\text{cm}^2$ $1\text{m}^2 = 10000\text{cm}^2$ $0.04\text{m}^2 = \frac{4}{100} \times 10000\text{cm}^2$ M1 $= 400\text{cm}^2$ A1		M1 For correct working A1 For 400cm ²
14.	$k^2 + 2k^2 - 3k + 3k$ M1 $3k^2$ A1		M1 For correction of like terms A1 for 3k ²
15.	i) No. of subsets = 2^n (where n is no. of elements) $= 2 \times 2 \times 2$ $= 8$ ii) Listing: { }, {c,o,w}, {c}, {o}, {w}, {c,o}, {c,w}, {o,w} 8 subsets		M1 for working or listing A1 for 8
16.	C I V $100 + 4$ 104 B2		B2 For 104
17.	LCM = $2^2 \times 3^2 \times 5$ $= 2 \times 2 \times 3 \times 3 \times 5$ $= 4 \times 9 \times 5$ $= 180$		M1 For correct method A1 For 180
18.	B2  $\frac{1}{4} \times 12^3$ $4_1 = 3\text{sq}$ $25\% = \frac{25}{100}$ $= \frac{1}{4}$		B2 For correct shading of any 3 squares
19.			B2 For correct method of constructing 105°
20.	A pen costs - sh. $(2000 + k)$ A book costs - sh. $\frac{(2000 + k)}{2}$ B2		B2 for the cost of a book OR $\frac{1}{2}(2000 + k)$ OR $1000 + \frac{1}{2}k$
SECTION B			
21.	$n(E) = 70$ a)  b) $(P+8) + 8 + 26 + 3 = 70$ $P + 8 + 29 = 70$ $P + 37 - 37 = 70 - 37$ $P = 33$ B1		B1 For $(P+8)-8$ B1 For 8 B1 For 26 B1 For 33

SOLUTIONS	COMMENT	SOLUTIONS	COMMENT
n (M) = 33 + 8 = 41 B1	B1 For 41		B1 For drawing an accurate circle graph B1 For 3.5cm
22. 24,009 = 2,4009 x 10 ¹ B2 OR 24,009 = 2.4009 x 10 ¹	B2 For 2.4009x10 ¹	26. 1hr = 60min 1 1/2 hr = 1 x 60 + 30 min = 90min B1 90min - 55min = 35min B1 The man waited for 35minutes.	B1 For 90min B1 For 35min
b. 11two x 11two ----- 11two M1 110two ----- 1001two A1	M1 for correct multiplication A1 For 1001two	b) D = 80km T = 40min S = 80km + (40/60) hr 80 x 60 / 40 = 120km/hr	M1 for correct method A1 For 120km/h
c. 5 ³ 5 ² 5 ² 5 ⁰ 1 2 0 1 = 1 2 0 1 2x5x5 = 50 50ten = 5 50 0 5 10 0 2 Value = 200	M1 For correct method A1 For 200	27a) \$ 1 — Sh. 3600 ? — sh. 72000 \$ 1 x 72000 / 3600 = \$ 20 A1	M1 For correct method A1 For = \$ 20
23a) 1/4 x 800 = 200 children B1 800 - 200 = 600 Adults 2 x 600 = 400 women 3 600 - 400 = 200 men B1	B1 For 200 children B1 for 400 women	b) 0.25kg — shs. 1250 2.5kg = 2.5 x 1250 0.25 = 25 + 25 x 1250 M2 10 100 = 25 x 100 x 1250 10 25 = sh. 12500 A1	M2 For the method A1 For 12,500
a) 1/3 x 200 = 66.67 66.67 = 120 boys B1 200 - 120 = 80 girls B1	B1 For 120 boys B1 For 80 girls	28a) 1 ext < Sum of 2, opp. int. < 8 or vice versa k + 5° + 2k + 25° = 4k + 20° M1 3k + 30 = 4k + 20° 3k - 4k = 20° - 30° M1 -k = -10° -k -10° A1	M1 for formation of an equation M1 for collecting like terms A1 For 10°
b) 80 x 100% 400 = 20% B1	B1 For 20%	b) < RPT = (K+5°) + (2K + 25°) M1 = (10° + 5°) + (2x10° + 25°) = 15° + 45° = 60° A1	M1 for correct substitution A1 For 60°
24a) -4 - (-7) = +3 	B1 For -4 B1 For ++7 B1 For +3	29a) C = πd = 22 x 70 / 70 = 220cm B1 1km = 100,000cm 4.4km = 44 x 100,000cm / 10 = 440,000cm B1 1rev = 220cm 440,000cm = 440,000 x 1rev 220 = 2000rev	B1 For 220cm B1 For 440,000cm B1 For 2000rev
b) 4 x 3 B2	B2 For correct statement	25. Total expenditure: sh. 4500 sh. 7500 + sh. 6000 sh. 18000 B1 Change to degrees Pocket money: 4500 x 360° / 18000 = 90° B1 Breakfast: 2500 x 360° / 18000 = 50° B1 Lunch: 6000 x 360° / 18000 = 120° B1	B1 For 90° B1 For 50° B1 For 120°

SOLUTIONS	COMMENT	SOLUTIONS	COMMENT
n (M) = 33 + 8 = 41 B1	B1 For 41		B1 For drawing an accurate circle graph
22. 24.009 = 2.4009 x 10 ¹ B2 OR 24.009 = 2.4009 X 10 ¹	B2 For 2.4009x10 ¹		B1 For 3.5cm
b. 1 ltwo x 1 ltwo 1 ltwo MJ 1 10two 1 0 0 ltwo AJ	M1 for correct multiplication AJ For 1001	26. 1hr = 60min 1 1/2 hr = 3 x 60min = 90min B1 90min - 55min = 35min B1 The man waited for 35minutes.	B1 For 90min B1 For 35min
c. 5 ³ 5 ² 5 ² 5 ⁰ 1 2 0 1 = 1 2 0 1 2x5x5 = 50 50cm = 5 50 0 5 10 0 2 Value = 200	M1 For correct method AJ For 200	b) D = 80km T = 40min S = 80km + (40/60) hr 80 x 60 / 40 = 120km/hr	M1 for correct method AJ For 120km/h
23a) 1 x 800 = 200 children B1 800 - 200 = 600 Adults 2 x 600 = 400 women 600 - 400 = 200 men B1	B1 For 200 children B1 for 400 women	27a) \$ 1 — Sh. 3600 ? — sh. 72000 \$ 1 x 72000 / 3600 = \$ 20 AJ	M1 For correct method AJ For = \$ 20
a) 3 x 200 = 600 600 - 400 = 200 boys B1 200 - 120 = 80 girls B1 b) 80 x 100% 400 = 20% B1	B1 For 120 boys B1 For 80 girls B1 For 20%	b) 0.25kg — shs. 1250 2.5kg = 2.5 x 1250 0.25 = 25 x 25 x 1250 M2 10 100 = 25 x 100 x 1250 10 25 = sh. 12500 AJ	M2 For the method AJ For 12,500
24a) -4 - (-7) = +3 	B1 For -4 B1 For ++7 B1 For +3	28.a) 1 ext < Sum of 2. opp. int. < a or vice-versa k + 5 ⁰ + 2k + 25 ⁰ = 4k + 20 ⁰ M1 3k + 30 = 4k + 20 ⁰ 3k - 4k = 20 ⁰ - 30 ⁰ M1 -k = -10 ⁰ -k -10 ⁰ AJ	M1 for formation of an equation M1 for collecting like terms AJ For 10 ⁰
b) 4 x 3 B2	B2 For correct statement	b) < RPT = (K+5 ⁰) + (2K + 25 ⁰) M1 = (10 ⁰ + 5 ⁰) + (2x10 ⁰ + 25 ⁰) = 15 ⁰ + 450 = 60 ⁰ AJ	M1 for correct substitution AJ For 60 ⁰
25. Total expenditure: sh. 4500 sh. 7500 + sh. 6000 sh. 18000 B1 Change to degrees Pocket money: 45000 x 360 ⁰ 180000 = 90 ⁰ B1 Breakfast: 75000 x 360 ⁰ 180000 = 150 ⁰ B1 Lunch: 60000 x 360 ⁰ 180000 = 120 ⁰ B1	B1 For 90 ⁰ B1 For 150 ⁰ B1 For 1200	29a)  C = πd = 22 x 70 ¹⁰ 71 = 220cm B1 1km = 100,000cm 4.4km = 44 x 100,000cm 10 = 440,000cm B1 1rev = 220cm 440,000cm = 440,000 x 1rev 220 = 2000rev	B1 For 220cm B1 For 440,000cm B1 For 2000rev

MENT

drawing
accurate
graph

3.5cm

min

min

rect

km/h

ect

20

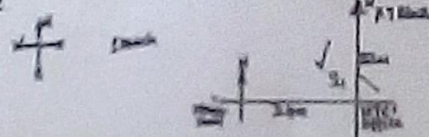
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SOLUTIONS	COMMENT
b) $2(l + b) = 34\text{cm}$ $2(10 + 4\text{cm} + y - 1\text{cm}) = 34\text{cm}$ M1 $2y + 8\text{cm} + 2y - 2\text{cm} = 34\text{cm}$ $4y + 6\text{cm} - 6\text{cm} = 34\text{cm} - 6\text{cm}$ $4y = \frac{28\text{cm}}{4}$ $y = 7\text{cm}$	M1 for formation of correct equation A1 for 7cm Follow through the working
30a) $= \frac{1}{2} \times \frac{3}{2} - \frac{3}{8}$ M1 $= \frac{3}{4} - \frac{3}{8}$ $= \frac{6-3}{8}$ $= \frac{3}{8}$ A1	M1 For correct working/method A1 for $\frac{3}{8}$
b) $(0.45 + 0.55) + (0.8 - 0.3)$ $= 1.00 + 0.5$ $= 1 + \frac{5}{10}$ $= 1 + \frac{10}{20}$ $= 1 + \frac{5}{10}$ $= 2$ B1	B1 for 1.00 B1 for 0.5 B1 for 2
31a) 1litre = 1000cm^3 $S^3 = \text{Volume}$ $3 S^3 = 3 \times 1000\text{cm}^3$ $S = \frac{2}{5} \mid 1000$ $\frac{2}{5} \mid 1000$ $\frac{2}{5} \mid 500$ $\frac{2}{5} \mid 250$ $\frac{2}{5} \mid 125$ M1 $\frac{2}{5} \mid 25$ $\frac{2}{5} \mid 5$ $\frac{2}{5} \mid 1$ $S = 2^3 \times 5^3$ $= 2 \times 5$ $= 2 \times 5$ $= 10\text{cm}$ A1	M1 For correct working A1 for 10cm
b) Total surface area (TSA) = $6S^2$ $= 6 \times 10 \times 10$ M1 $= 600\text{cm}^2$ A1	M1 For correct method A1 for 600cm^2

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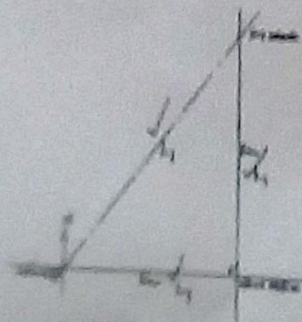
Scale: 1cm : 4meters

$$1\text{cm} \times 246\text{m} = 6\text{cm}$$

4m

$$1\text{cm} \times 328 = 8\text{cm}$$

4m



shortest distance MH to P.7 = 10cm

SOLUTIONS	COMMENT
SECTION A (40Marks)	SECTION B (60Marks)
Each question 2marks	21 - 05
	22 - 06
	23 - 05
	24 - 05
	25 - 06
	26 - 04
	27 - 05
	28 - 05
	29 - 05
	30 - 05
	31 - 04
	32 - 05
	Total 60