

SIGNAL EXAM 2021

KCPE TWENTY FIRST TRIAL

For making schemes call Mr Machuki
0795491185/0778626409.

Comprises all the subjects.

SIGNAL EXAMS 2020**DIGITAL EDITION**
021**MATHEMATICS****Time: 2 hours****READ THESE INSTRUCTIONS CAREFULLY**

1. You have been given this question booklet and a separate answer sheet. The question booklet contains 50 questions.
2. Do any necessary rough work in this booklet.
3. When you have chosen your answer, mark it on the **ANSWER SHEET**, not in the question booklet.

HOW TO USE THE ANSWER SHEET

4. Use only an ordinary pencil.
5. Make sure that you have written on the answer sheet:
YOUR INDEX NUMBER
YOUR NAME
NAME OF YOUR SCHOOL
6. By drawing a **dark line** inside the correct numbered boxes mark your full Index Number (i.e. School Code Number and the three-figure Candidate's Number) in the grid near the top of the answer sheet.
7. Do not make any marks outside the boxes.
8. Keep your answer sheet as clean as possible and **DO NOT FOLD IT**.
9. For each of the questions 1 – 50 four answers are given. The answers are lettered A, B, C and D. In each case only **ONE** of the four answers is correct. Choose the correct answer.
10. On the answer sheet, the correct answer is to be shown by drawing a **dark line** inside the box in which the letter you have chosen is written.

Example:**In the question booklet:**

- 11.** Write $6\frac{1}{4}\%$ as a ratio in its simplest form.

- A. 25.4
B. 4:25
C. 1:16
D. 25:400

The correct answer is **C** (1:16)**On the answer sheet:****1** (A) (B) (C) (D) **11** (A) (B) (C) (D) **21** (A) (B) (C) (D) **31** (A) (B) (C) (D) **41** (A) (B) (C) (D)In the set of boxes numbered 11, the box with the letter **C** printed in it is marked.

11. Your **dark line** **MUST** be within the box.
12. For each question **ONLY ONE** box is to be marked in each set of four boxes.

This question paper consists of 7 printed pages

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1. What is 10110101 written in words?
 A. Ten million one hundred and one thousand one hundred and one
 B. One million one hundred and ten thousand one hundred and one
 C. Ten million ten thousand one hundred and one
 D. Ten million one hundred and ten thousand one hundred and one

2. What is the value of :

$$\frac{3^2(5^2-4^2)-3^2}{4^2-2^2} ?$$

- A. 36
 B. 9
 C. 6
 D. 3
3. The digits 5,4,1,6,7,3 are arranged to form the smallest possible number. Which digit will occupy the tens place value after the arrangement?

- A. 7
 B. 6
 C. 1
 D. 3

4. Work out: $\frac{1.35 \times 17 \times 4.6}{5.1 \times 0.23 \times 15}$

- A. 6
 B. 60
 C. 0.6
 D. 0.06

5. Bus A leaves the station after 15 minutes, bus B leaves after 20 minutes and bus C after 30 minutes. The three buses left together at 8.00am. At what time did they leave together for the third time?

- A. 2.00pm
 B. 10.00am
 C. 11.00am
 D. 12.00am

6. A rectangular room of length 5.4m by 1.5m wide was covered with square tiles of the greatest length on the floor. How many tiles were required?

- A. 30
 B. 90
 C. 180
 D. 8.1

7. Three candidates contested for a parliamentary seat. Candidate A got 24684 votes, candidate B got 6120 votes less than candidate A, while candidate C got half of candidate B votes. There were 171 spoilt votes. How many voters cast their votes altogether?

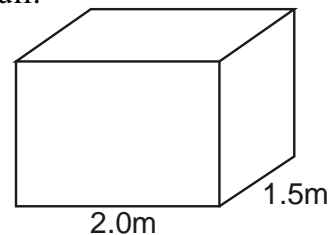
- A. 52530
 B. 43248
 C. 52701
 D. 52531

8. What is the value of:

$$\frac{1}{3} \text{ of } (15-6) + \frac{2}{3} \text{ of } 18 \div 2 - 3 + 2 ?$$

- A. 1
 B. 2
 C. 4
 D. 8

9. The tank below holds 6000 litres when half full.



What is its actual height in metres?

- A. 4m
 B. 2m
 C. 0.4m
 D. 0.2m

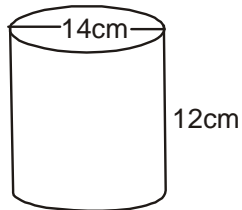
10. Simplify $5(2x + y) + 2(x - y)$

- A. $12x - 3y$
 B. $12x + 3y$
 C. $12x + 7$
 D. $12x - 7$

11. An empty pick-up weighs 1.3 tonnes. When loaded with 45 sheep it weighs 2.425 tonnes. What is the average mass of each sheep in kilograms?
- A. 11.25
B. 30
C. 25
D. 35

12. A trader paid sh.7650 for a mobile phone after getting a discount of 15%. How much less would he have paid if he had been given a discount of 20%?
- A. sh.450
B. sh.7200
C. sh.1350
D. sh.9000

13. The diagram below shows a cylindrical container.



An advertising wrapper was placed round the container leaving 1cm from top and 1cm from bottom part of the container. What was the area of the wrapper?

- A. 440cm^2
B. 1848cm^2
C. 528cm^2
D. 836cm^2
14. Construct rhombus **WXYZ** where **WX** = 8cm and angle **ZWX** = 75° . What is the length of the longer diagonal?
- A. 6.4cm
B. 12.6cm
C. 12.8cm
D. 6.5cm

15. The price of a pair of short is sh.960 after an increase of sh.160. Calculate its percentage increase.
- A. 25%
B. $16\frac{2}{3}\%$
C. 20%
D. $33\frac{1}{3}\%$

16. The price of a book is sh.b. The price of a pen is sh.30 less while that of a pencil is sh.15 more than half the cost of a pen. Amina bought a book, a pen and a pencil and paid sh.220. Which of the following equation can be used to find the cost of a book?
- A. $2\frac{1}{2}b - 30 = 220$
B. $2\frac{1}{2}b + 15 = 220$
C. $2\frac{1}{2}b + 45 = 220$
D. $2\frac{1}{2}b - 45 = 220$

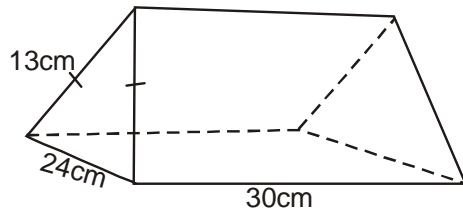
17. On a map whose scale is 1:20000 a river is represented by a line of 30cm. Calculate the actual length of a river in kilometres.
- A. 0.6km
B. 6km
C. 60km
D. 600km

18. Construct triangle **ABC** in which **AB** = 9.5cm **BC** = 6cm and **AC** = 7.8 drop a perpendicular from **C** to meet **AB** at **D**. What is the line **DB**.
- A. 3.7cm
B. 5.7cm
C. 4.2cm
D. 4.8cm

19. At what rate in simple interest should sh.40000 be charged to generate a total amount of sh.55000 after 3 years?
- A. $12\frac{1}{2}\%$
B. 15%
C. 20%
D. 25%

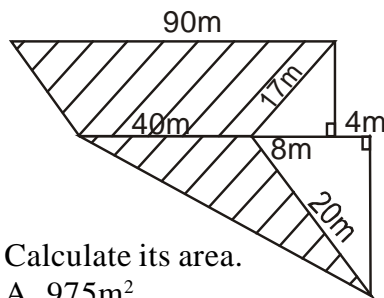
20. Mogoi's plot measuring 125m by 85m was fenced using posts placed at intervals of 2m. If a gate of length 4m was put, how many posts were used altogether?
- A. 208
B. 103
C. 104
D. 209

21. Calculate the volume of the figure below.



- A. 900cm^3
B. 4680cm^3
C. 2430cm^3
D. 1800cm^3

22. The shaded part in the diagram below shows Otieno's piece of land.



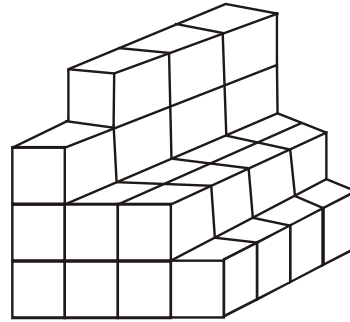
Calculate its area.

- A. 975m^2
B. 1295m^2
C. 400m^2
D. 1375m^2
23. Musigisigi walks to school in the morning and comes back in the evening. In a school week, he covers a total distance of 35km, what is the distance between her home and school?
- A. $2\frac{1}{2}\text{km}$
B. 5km
C. $3\frac{1}{2}\text{km}$
D. 7km

24. Construct triangle **JKF** in which **JK=KF=6cm** and angle **JKF=70°**. Draw a circle touching points **JKF**. What is the measure of its radius.

- A. 3.5cm
B. 7cm
C. 1.7cm
D. 3.2cm

25. How many blocks are needed to complete the stack below?



- A. 35
B. 64
C. 36
D. 29

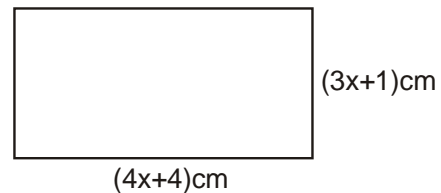
26. The table below shows the price of different foods in a hotel

	Rice	Ugali	Chapati	Githeri
Beans	sh. 30	sh. 50	sh.40	sh. 25
Stew	sh. 40	sh. 60	sh. 50	sh. 35
Fish	sh.50	sh. 70	sh.60	sh. 45
Beef	sh.55	sh.75	sh.65	sh.50
Kales	sh.20	sh.30	sh.25	sh. 20

Five boys visited the hotel, two of them took beans and ugali one took fish and chapati and the rest took beef and ugali. How much money did they pay altogether?

- A. sh.290 B. sh.305
C. sh.310 D. sh.330

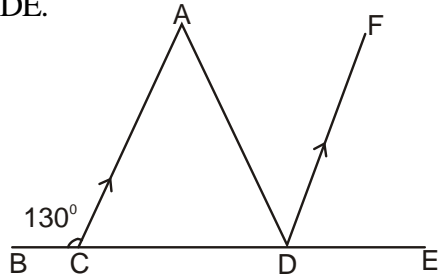
27. In the diagram below, the length is $1\frac{1}{2}$ times the width.



Find the value of x.

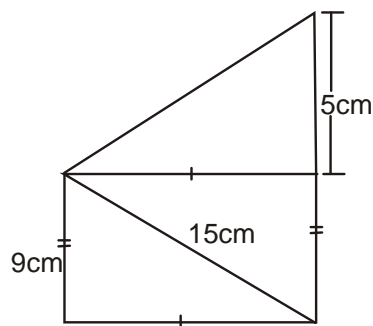
- A. 5 B. 4
C. 3 D. 2

28. In the figure below line BE is a straight line. Line AC and DF are parallel and line FD bisects angle ADE.



What is the value of angle CAD?

- A. 100°
 B. 30°
 C. 80°
 D. 50°
29. The diagram below shows a simple frame made by a carpenter using timber.



Calculate the total length of timber used.

- A. 77cm
 B. 75cm
 C. 63cm
 D. 65cm
30. A bus left Kisumu on Sunday 11.25pm. It took $4\frac{1}{4}$ hours to reach Eldoret where it stopped for 45minutes to pick passengers. It then took $2\frac{1}{2}$ hrs to reach Nakuru where it stopped for 30minutes before taking another 2hrs 40min to reach Nairobi. On which day and time in 24hours clock system did it reach Nairobi?
- A. Sunday 1005hrs
 B. Monday 2205hrs
 C. Monday 1005hrs
 D. Sunday 2205hrs

31. The marked price of a cabinet is sh.25000. The hire purchase price is 20% more than the marked price. Musa paid a deposit and the rest in 18 equal monthly instalments of sh.1200 each. How much deposit did he pay?

- A. sh.2160
 B. sh.3000
 C. sh.8400
 D. sh.3800

32. Which one of the following groups of decimals are increasing by hundredths?

- A. 0.6219, 0.6229, 0.6239, 0.6249
 B. 0.3648, 0.3548, 0.3448, 0.3348
 C. 0.7219, 0.7319, 0.7419, 0.7519
 D. 0.2451, 0.2452, 0.2453, 0.2454

33. Kericho tea factory produces 0.247 tonnes of tea leaves every week. If the tea leaves were packed in 500g packets. How many packets were obtained in two weeks?

- A. 494
 B. 988
 C. 247
 D. 1976

34. In a polling station the number of registered voters was 48000. After two years this number increased by 12000. What was the ratio increase in the number of voters?

- A. 1:4
 B. 4:1
 C. 4:5
 D. 5:4

35. The mean mass of 5 pupils is 48kgs. The mean mass of 3 of them is 50kgs. The difference between the mass of the other two boys 4kg. What is the mass of the heavier boy?

- A. 50kg
 B. 45kg
 C. 43kg
 D. 47kg

36. A bus took 25seconds to cross a 500metre bridge. Calculate its speed in km/hr
- A. 20km/hr
 B. 25km/hr
 C. 72km/hr
 D. 90km/hr

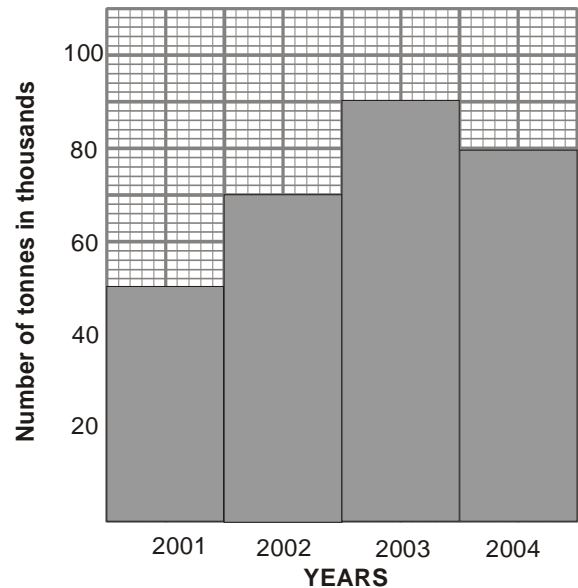
37. The table below shows how Makau uses his farm.

Land use	Maize	Wheat	Beans	Grazing	Homestead
Size in ha	$\frac{1}{4}$	$\frac{1}{2}$	1	$1\frac{1}{4}$	$\frac{3}{4}$

If the information above was to be represented on a pie chart, what angle would represent wheat and homestead?

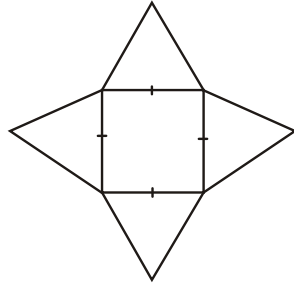
- A. 72°
 B. 120°
 C. 125°
 D. 48°
38. Nzioka bought the following items from a shop.
- 4kg tin cooking fat @ sh.350
 - $2\frac{1}{2}$ kg sugar for sh.110per kilogram
 - 2 - 2kg packets of wheat flour at sh.120
 - 4 - $\frac{1}{2}$ litre packets of milk @ sh.50 per packet
- He paid his bill using two one thousand shilling note. How much balance was he given?
- A. sh.175
 B. sh.935
 C. sh.575
 D. sh.625
39. After making 4000 revolutions a wheel covered a distance of 3.52km. Calculate the radius of the wheel.
- A. 14cm
 B. 28cm
 C. 42cm
 D.56cm

The graph below shows Kenyas tea export for four years, use it to answer question 40.



40. How many more kilograms were exported in 2003 than 2002?
- A. 20000000
 B. 2000000
 C. 200000
 D. 20000
41. If $n = 2$, $m=n+1$ and $p = 2m-1$ what is the value of:
- $$\frac{n^2(p^2 - m^2)}{m + p} ?$$
- A. 6
 B. 7
 C. 8
 D. 9
42. A salesman is paid a basic salary of sh.6500 and a commission of 5% on the value of goods sold above sh.20000. What was the value of goods sold in a month he earned a total of sh.8000?
- A. sh.30000
 B. sh.81500
 C. sh.50000
 D. sh.45000

43. The net below was folded to form a solid. What was the sum of edges, faces and vertices?



- A. 26
B. 18
C. 16
D. 12
44. A trader bought 3 trays of eggs @ sh.150 per tray. During transportation 18 eggs broke. He sold the remaining making a profit of 20%. What was the selling price of each egg?
(1 tray = 30 eggs).
- A. sh.8.50
B. sh.7.50
C. sh.6.00
D. sh.5.00
45. The table below shows the sale of milk in a certain kiosk for 5 days. The sale of Wednesday is not shown

Day	Mon	Tue	Wed	Thur	Fri
No. of litres	24	26		21	29

- The average daily number of litres sold was 25 litres. How much more money was collected on Wednesday than Thursday if the price per litre is sh. 35?
- A. sh. 70
B. sh.140
C. sh.210
D. sh.280

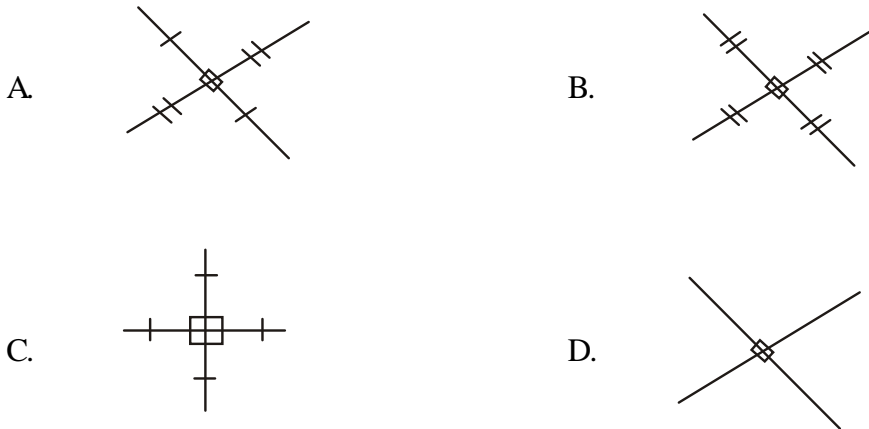
46. Wanja gave $\frac{1}{3}$ of her money to her daughter, $\frac{1}{4}$ to her son and $\frac{2}{5}$ of the remainder to her parents. She was then left with sh.3600. How much more money did she give her daughter than her son?
- A. sh.1600
B. sh.4800
C. sh.1200
D. sh.900
47. 7 tractors can plough a piece of land in 12 days. How many more days are needed for 6 tractors to plough the same piece of land?
- A. 1
B. 2
C. 5
D. 6

The table below shows rates for sending inland money orders.

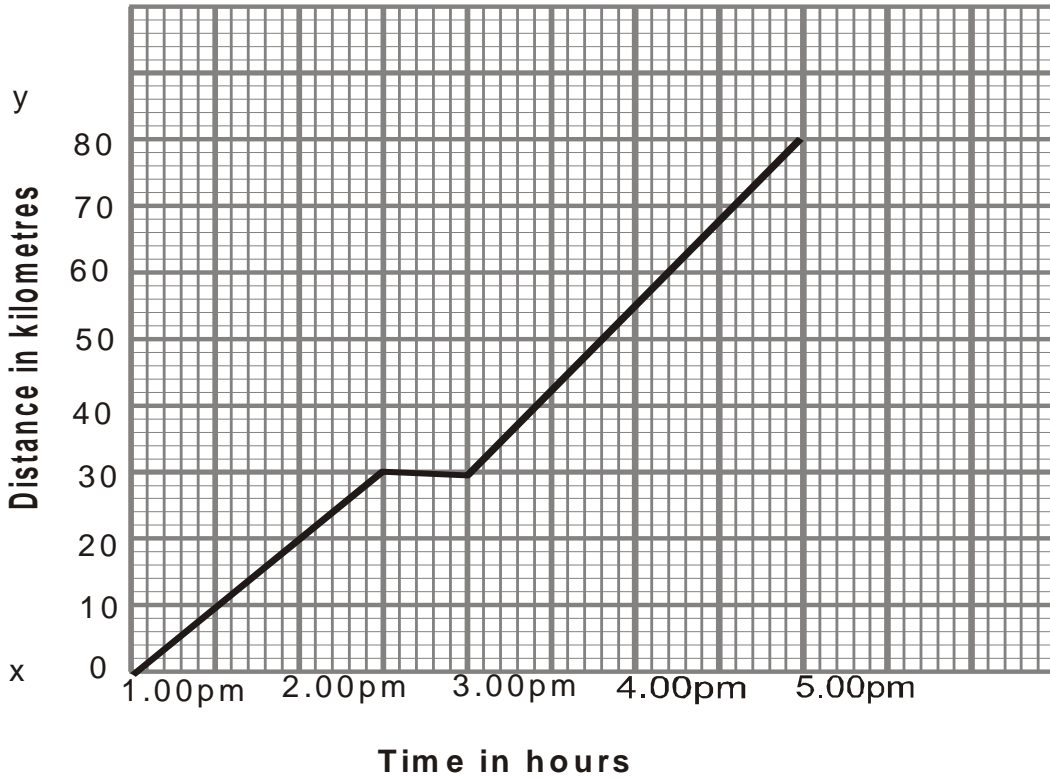
Value of order sh.	Ordinary commission	Express money order commission
Upto 500	42.00	77.00
501 to 1000	114.00	146.00
1001 to 3000	174.00	203.00
3001 to 5000	209.00	237.00
5001 to 10000	295.00	319.00

48. Wambui sent an ordinary money order worth sh.3500 and an express money order worth sh.4800. How much did she pay at the post office?
- A. sh.446
B. sh.8300
C. sh.8746
D. sh.10500

49. Which of the following represents diagonals of a rhombus?



The graph below shows Njogus journey from town J to town K.
Use it to answer question 50.



50. What was Njogus average speed after the rest?
 A. 15km/hr B. 25km/hr C. 35km/hr D. 50km/hr

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SECTION A:
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9. For each of the Questions 1 – 50 four answers are given. The answers are lettered A, B, C, D in each case only **ONE** of the four answers is correct. Choose the correct answer.
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Example

For question 23 to 25 choose the word that means the same as the underlined word.

23. The stranger coaxed the two pupils.

- A. lured
- B. soothed
- C. deceived
- D. persuaded

The correct answer is **D**

3. [A] [B] [C] [D] **13.** [A] [B] [C] [D] **23.** [A] [B] [C] [D] **33.** [A] [B] [C] [D] **43.** [A] [B] [C] [D]

On the answer sheet

In the set of boxes numbered **23**, the box with letter **C** printed in it is marked.

11. Your **dark line** **MUST** be within the box.
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Read the passage below. It contains blank spaces numbered 1 to 15. For each blank space, choose the best alternative from the choices given.

Criminals are continuously 1 new ways to 2 the police and public to 3 in business. When they 4, they leave the police 5 on how the plan was organised and 6. The police 7 expected to be 8 of them and monitor their activities. It has become common to 9 of kidnappings, bank robberies and car-jacking.

When thugs just block 10 vehicle and drive 11 with the motorist, then it means the law-enforcement officers are not working hard enough. Several 12 have lost their lives 13 the hands of these crooks. They must work 14 the clock to bring these criminals to 15.

- | | | | |
|------------------|--------------|--------------|--------------|
| 1. A. devising | B. revising | C. reviewing | D. receiving |
| 2. A. hit | B. bit | C. beat | D. win |
| 3. A. remain | B. start | C. over | D. improve |
| 4. A. appear | B. fight | C. decide | D. strike |
| 5. A. thinking | B. guessing | C. wandering | D. searching |
| 6. A. persecuted | B. rehearsed | C. executed | D. performed |
| 7. A. are | B. must be | C. could be | D. will be |
| 8. A. in front | B. ahead | C. leader | D. the head |
| 9. A. imagine | B. see | C. hear | D. remember |
| 10. A. the | B. this | C. that | D. a |
| 11. A. away | B. out | C. a side | D. beyond |
| 12. A. sufferers | B. victims | C. suspects | D. witnesses |
| 13. A. in | B. by | C. for | D. on |
| 14. A. around | B. round | C. them | D. above |
| 15. A. cell | B. arrest | C. prison | D. book |

For questions 16 to 18, choose the alternative that best completes the statement given.

16. Had he known it was going to rain:-
A. he could easily carry an umbrella
B. he must have stayed at home
C. he would have taken shelter at our home
D. he ran all the way home before it started.
17. Our visitors rarely come after seven o'clock but we will be ready in case:-
A. they come
B. they do
C. they decide
D. they will
18. All the school pupils are expected to abide:-
A. by the school rules
B. with the school rules
C. to the school rules.
D. about the school rules.

For questions 19 and 20, choose the alternative that best completes the given sentence.

19. They talked _____ the telephone for over fifteen minutes.
A. on
B. over
C. with
D. by
20. In my _____, everyone should have some understanding of Mathematics.
A. belief
B. knowledge
C. opinion
D. understanding

For questions 21 to 23, choose the word which means the same as the underlined word(s).

21. **Bright** pupils normally score high marks in examinations.
A. Fast
B. Active
C. Reliable
D. Smart
22. The police had a firm **grip** on the suspect to prevent him from escaping.
A. grasp
B. arrest
C. clutch
D. hold
23. As the grandmother was sick, Asha decided to **put off** the visit to Kilgoris.
A. postpone
B. cancel
C. delay
D. stop

For questions 24 and 25, choose the option which best fills the blank space in the sentences below.

24. As long as the work was done, it really _____ who did it.
A. did not matter
B. will not matter
C. does not matter
D. could not matter
25. We are extremely grateful _____ all the teachers for the help they have given us.
A. for
B. with
C. of
D. to

Read the passage below and then answer questions 26 to 38.

The drought had been longer than usual and really devastating. Even the very old in the society admitted that they had never experienced such magnitude of drought. Almost all trees had shed their leaves. Wild animals died in large numbers, so did their domestic counterparts. Human beings, on the other hand, struggled daily to remain alive. Many resorted to survival tactics never heard before and one of such was a man called Neka.

Neka was greedy by nature. The bad weather drove him to do what no other man in his right minds would have been expected to do. He deprived his wife and children of food which he ate alone; greedily. Whenever some food was cooked in the house, the wife knew well how to keep safe. She would serve two-thirds to the husband and share the remaining third with their four children.

As the drought continued, Neka became a worried man. If anything, he feared to die of starvation while at the same time, he was oblivious of his family members' attitude towards his insatiable appetite. So, after carefully trying to balance the two issues for some time, he came up with a plan, yes, and a workable plan which to him would **put the matter to rest** once and for all. He believed the plan was harmless to the family and beneficial to him at the same time.

The next few days, in bed day and night. He complained of aches from virtually every part of his body and in spite of medication, his condition seemed to deteriorate very fast. He gathered his family members near his bed and made a chilling announcement: "I don't see any recovery coming my way any time soon. Anything can happen and I'd wish to make a wish, a wish which must be obeyed to the latter or else curse will befall whoever goes against it and for the rest of your lives, you will know no peace. Should I **die**, I should be buried in the next eight hours. The top of my coffin should not be nailed and the grave must not be covered with soil but five new papyrus mats. You will put plenty of firewood, cooking pans, match boxes and water in jerricans. All these must be put in the grave during the burial". The very following dawn, Neka 'died.'

Funeral arrangements were hastily made to conform to the 'dead man's wish and by two o'clock that afternoon, the villagers were through. They talked in low tones at the strange burial ceremony the late Neka had made them attend. It was normal to bury a fellow villager but the speed and the procedure of this particular one was unusual.

The strangest of strange things started happening on the dead man's farm. One of Neka's children was walking round the farm and noticed fresh earth and immediately informed the mother. Elders soon converged on the farm to confirm the boy's statement, wondering who was harvesting from a dead man's farm. It was true! The cassava was indeed being harvested at night and some even a few hours ago. A private consultation by the elders followed by after which they asked everyone to leave the farm at once and say nothing about the issue. They followed the foot tracks and it led to a further complication-too puzzling to help them solve the mystery. However, they resolved to dig a deep pit early that night. It would be carefully covered with trash and it is in this that they expected to find the thief trapped.

The following day when they visited the trap, true to their instincts the thief had been trapped. The elders decided to evacuate the thief from the hole but when his face came into full glare, everyone, irrespective of age or status, scampered for safety. It was the face of the 'dead man' they had buried two weeks ago!

26. According to the first paragraph what made the drought more devastating?
 A. All the animals died of starvation.
 B. It was prolonged.
 C. Big trees shed off all their leaves.
 D. The main fatalities were old men and animals.
27. The old men were able to gauge the effect of the drought due to all the following except:-
 A. forethought. B. experience.
 C. age. D. wisdom.
28. Hardly had Neka issued his death wishes:-
 A. than he died
 B. than he feigned his death
 C. than he was buried
 D. than he passed out.
29. As the drought started biting Neka:-
 A. altered the family's eating habits.
 B. ate all the food alone.
 C. nursed his insatiable appetite.
 D. devised a workable plan.
30. The phrase, '**put the matter to rest**' as used in the passage refers to:-
 A. how to please one's family
 B. how to end a problem
 C. the fastest way to die
 D. escape from starvation.
31. Which statement is true about Neka?
 A. Although he was greedy, he had some regard for his family.
 B. He was the greediest man known in the village.
 C. He was the laziest man.
 D. He had almost no friends at all.
32. Why did Neka complain of pain from every part of the body?
 A. The pain was so much to bear.
 B. He intended to make it achieve a specific aim.
 C. He needed some special attention from the family members.
 D. Hunger made him do so.
33. Instead of using the word '**die**' Neka could have used the phrase:-
 A. pass over
 B. give up
 C. pass on
 D. pass out.
34. Why did Neka tell his family members that if they disobeyed his wish then they would never have peace?
 A. His ambitious plan would be foiled
 B. His spirit would deal with them.
 C. All dying men do so.
 D. His family had of late been a bit hesitant to obey him.
35. As the villagers hastily made arrangements for Neka's burial:-
 A. some of them knew he was just being greedy
 B. they were at loss of what to say about his rushed funeral
 C. they felt they would miss him dearly
 D. they felt the family was responsible for his problems.
36. Why do you think consultations to catch the thief were held privately?
 A. It involved the property of a dead person.
 B. The elders had a suspect in mind.
 C. They did not want to have the thief beaten to death.
 D. The news of their plan was not to be leaked out.
37. Why did the villagers take off in all directions when the thief came into full glare?
 A. The person they saw was least expected.
 B. They were afraid he could turn violent upon release.
 C. They had never seen such a person.
 D. They realised they had not caught the right thief.
38. Which of the four proverbs would not be the best to summarise this passage?
 A. Do not judge a book by its cover.
 B. Look before you leap.
 C. Blood is thicker than water.
 D. Where there is smoke, there is fire.

Read the passage below and then answer questions 39 to 50

Getting money is not easy but what many people find easy is spending it. It can take a whole week, fortnight, **effortlessly** and efficiently be done within minutes. The most notorious activities that take money in bulk from people include medical bills, school fees, rent, purchase of land and the list is not limited to these. Even the purchase of foodstuff can leave a family with little or no money.

There are various steps one can put in place to tame the fast disappearance of money from the wallet. When you go shopping, have a shopping list and tick the items as you pick them. Avoid going for what you did not have in your initial list although it is not an entirely bad idea to buy a thing that you did not plan to if some money is left after your purchase. The word you must keep in mind all the time is 'priority'. Things which matter more in your house must be given priority but the luxurious ones we can even do without may be bought, depending on availability of funds.

Partying and eating out with friends is good and makes many feel good. However, eating out for whatever reason costs more than home-eating. If you intend to travel, carry home-made food or snacks and as much as possible, avoid eating in hotels. Food meant for people on transit is usually almost double-priced as the travellers have no choice but to buy. A bottle of water carried from home tastes just like the bottled ones so why buy one? When the weather is hot or you are traveling far, you could spend a lot on water while this is avoidable.

Never waste anything; food, not even a newspaper. Left-over food should not be thrown away. It could be kept safely and warmed for the next day's meal. You could even pack them well and carry them for lunch the following day instead of buying snacks. By doing this, you will have reduced the cost of buying food in the house in the long run. Remember to use all of everything you have before you buy more. Old newspapers can be safely kept at home and then sold in a pile. Only when something goes bad should it be thrown as it may endanger life.

Not all shops charge the same amount for similar goods. Shops that sell items through hire purchase definitely charge higher. Such shops must be avoided and borrowing items should likewise be discouraged. The items being sold should not be on offer all the time. There are times when the goods on offer happen to be of inferior quality. Buy from trusted stores where you can always return bought items for exchange if found to be faulty, in bad condition or expired. Sometimes, items are marked 'Save ksh.100/-' it is not always true; the shop owners just write that to play with your psychology. Be careful with every shopping step you make for whatever appears good from far could be far from good.

39. From the first paragraph, it is **true** to say that:-
- money is difficult to get
 - money is easier used than got
 - medical bills, school fee, rent and purchase of land make people poor
 - with money, you can buy anything.
40. What are people yet to learn about money?
- How to spend money.
 - The kind of things to do with the money they get.
 - How to get enough money.
 - Measures to put in place to control fast use of money.
41. Why does the writer describe the using of money as **effortless**?
- It does not need a lot of brainwork.
 - Things bought with money require little effort to use.
 - Many people have to be shown how to use their own money.
 - Money has become difficult to get.
42. A person who goes shopping without a shopping list is likely to:-
- spend less money than what would be on the shopping list
 - buy more goods with less money
 - end up doing impulse buying
 - buy more goods knowingly.
43. The condition on which you should buy an item on which you did not have in your shopping list is:-
- if the item you need is being sold at a cheaper price
 - if you have extra money left after exhausting what was on your list
 - if other shoppers do not seem to know its value
 - if you see it before starting to buy the items on your shopping list.
44. Why should a shopper buy things on priority?
- Prices of things keep changing.
 - There are varieties of items.
 - Money is ever limited.
 - There are items we cannot do without in a house.
45. Being told to avoid partying and eating out with friends can **best** be described as:-
- an order.
 - a warning.
 - a piece of advice.
 - a total ban
46. A person who uses all of everything before buying a new one:-
- spends less on purchases
 - does so because of failure to draw a budget
 - spends more on purchases
 - is always in short of cash.
47. One of the following does not refer to money meant for a specific purpose. Which one is it?
- Fees.
 - Cheque.
 - Rent.
 - Fine.
48. When a shopper compares prices of specific items from various shops shows:-
- he suffered a lot in the past
 - many shopkeepers are dishonest
 - he may not have enough money
 - he is an informed shopper.
49. What would be the best things to do when you see some goods on offer?
- Assess the quality of the item before engaging your money.
 - Buy before they run out of stock.
 - Keep off such goods.
 - Ask the shopkeeper if he is playing with your psychology.
50. The best title for this passage would be:-
- making a shopping list.
 - avoiding impulse buying.
 - careful use of money.
 - ways of acquiring and spending money.

SIGNAL EXAMS 2020**ENGLISH**
SECTION B:
COMPOSITION**Time:** 40 Minutes

YOUR INDEX NUMBER	
YOUR NAME	
NAME OF YOUR SCHOOL	

READ THESE INSTRUCTIONS CAREFULLY

1. In the spaces provided above write your full index number, your Name and Name of your school.
2. Now open this paper, read the composition subject carefully and write your composition on the lines provided.
3. The composition **must** be written in English.

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SIGNAL EXAMS 2020

DIGITAL EDITION
021

KISWAHILI

SEHEMU YA KWANZA:

LUGHA

Muda: Saa 1 dakika 40

SOMA KWA MAKINI MAAGIZO YAFUATAYO

1. Umepewa kijitabu hiki cha maswali na karatasi ya kujibia. Kijitabu hiki kina maswali 50.
2. Ikiwa utataka kuandika chochote ambacho si jibu andika katika kijitabu hiki.
3. Ukisha chagua jibu lako lionyeshe katika **KARATASI YA MAJIBU** na wala sio katika kijitabu hiki cha maswali.

JINSI YA KUTUMIA KARATASI YA MAJIBU

4. Tumia penseli ya kawaida.
5. Hakikisha ya kwamba yafuatayo yameandikwa katika karatasi ya majibu:
NAMBA YAKO YA MTHANI
JINA LAKO
JINA LA SHULE YAKO
6. Kwa kuchora kistari katika visanduku vyenye namba zinazokuhusu, onyesha namba yako kamili ya mthani (yaani namba ya shule, na zile namba tatu za mtahniwa) katika sehemu iliyotengwa mwanzo wa karatasi ya majibu.
7. Usitie alama zozote nje ya visanduku.
8. Iweke safi karatasi yako ya majibu.
9. Kwa kila swali 1 – 50 umepewa majibu manne. Majibu hayo yameonyeshwa kwa herufi A, B, C na D. Ni jibu **MOJA** tu kati ya hayo manne ambalo ni sahihi. Chagua jibu hilo.
10. Kwenye karatasi ya majibu, jibu sahihi lionyeshe kwa kuchora kistari katika kisanduku chenye herufi uliyochagua kuwa ndilo jibu.

Mfano

Katika kijitabu cha maswali:

21. Doa ni kwa dosari kama ilivyo uzembe kwa:-

- A. mvivu
- B. ubwete
- C. uchoyo
- D. bidii

Jibu sahihi ni **B (ubwete)**

Katika karatasi ya majibu

1 (A) (B) (C) (D) **11** (A) (B) (C) (D) **21** (A) (B) (C) (D) **31** (A) (B) (C) (D) **41** (A) (B) (C) (D)

Katika visanduku vinavyoonyesha majibu ya swali namba 21, kisanduku chenye herufi **B** ndicho kilichochorwa kistari.

11. Chora kistari chako vizuri. Kistari chako kiwe cheusi na kisijitokeze nje ya kisanduku.
12. Kwa kila swali, chora kistari katika kisanduku kimoja tu kati ya visanduku vinne ulivyopewa.

Kitabu hiki cha maswali kina kurasa 7 zilizopigwa chapa

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Soma vifungu vifuatavyo. Vina nafasi 1 mpaka 15. Kwa kila nafasi, umepewa majibu manne. Jaza kila pengo kwa jibu lifaalo zaidi.

Kuvumbuliwa kwa simutamba _____ **1** _____ mawasiliano pakubwa. Maendeleo haya ya kiteknolojia _____ **2** _____ watu _____ **3** _____ watakapo bila _____ **4** _____ za wakati wala masafa. _____ **5** _____ kupigiana simu, watu hutuma ujumbe _____ **6** _____ unaoitwa _____ **7** _____. Ujumbe huu unaweza kutumwa kwa mtu mmoja au kundi la watu _____ **8** _____. Ama kweli ulimwengu _____ **9** _____ kimaendeleo.

1. A. imerahisisha B. kumerahisisha C. yamerahisishwa D. kumerahisia
2. A. yameezesha B. imewezesha C. kimewezesha D. yamewezesha
3. A. kuwasiliana B. kuwasili C. kuwasilisha D. kuwasilishana
4. A. vikwazo B. tofauti C. pingamizi D. matatizo
5. A. Fauka ya B. Badala ya C. Kinyume na D. Kati ya
6. A. fupi B. mfupi C. refu D. ndefu
7. A. mdahalishi B. kipepesi C. arufu D. arafa
8. A. sawa B. asilani C. sawia D. kiholela
9. A. umepiga hatua B. umepiga jeki C. umepiga misamba D. umepiga kumbo

Idadi kubwa ya wanafunzi _____ **10** _____ kujisomea bila msaada wa walimu. Wengi hufungua kurasa _____ **11** _____ vitabu na kutumbua macho tu bila kung'amua lolote. Baadaye wao _____ **12** _____ mitihani inapoletwa _____ **13** _____ wakijipata hawana lolote la kujivunia. _____ **14** _____; wanafunzi hawa wanapaswa kujifunza kutoka kwa walimu wao kisha waifuate _____ **15** _____ hiyo.

10. A. hawajui B. haijui C. hamjui D. hawakujua
11. A. ya B. wa C. la D. za
12. A. huangamia B. huridhika C. huhangaika D. hutabasamu
13. A. huku B. wala C. huko D. hapo
14. A. Mtoto akibebwa hutazama kisogo cha nina B. Ushikwapo shikamana C. Msafiri ni aliye pwani D. Mtu hujikuna ajipatapo
15. A. mwelekeo B. mielekeo C. nyaadhi D. kielelezo

Kuanzia nambari 16 hadi 30. jibu kulingana na maagizo uliyopewa.

16. Chagua orodha yenye vielezi pekee.
A. Tena, ghafla, ajabu, mno.
B. Laini, aghalabu, kiasi, tele.
C. Jepesi, polepole, sana, vigumu.
D. Tano, dhaifu, bora, safi.
17. Upi ni ukanusho wa:
Swali ambalo aliuliza limeweza kujibiwa.
A. Swali ambalo aliuliza halikuweza kujibiwa.
B. Swali ambalo hakuuliza halijaweza kujibiwa.
C. Swali ambalo hakuuliza halikuweza kujibiwa.
D. Swali ambalo aliuliza halijaweza kujibiwa.
18. Chagua wingi wa sentesi ifuatayo:
Seremala alitumia ubao mwembamba.
A. Seremala walitumia mbao nyembamba.
B. Maseremala waliyatumia mabao membamba.
C. Seremala walizitumia mbao nyembamba.
D. Maseremala walizitumia mbao nyembamba.
19. Ni sentensi ipi iliyo katika wakati uliopo hali isiyodhirika?
A. Sote twajua kuogelea vizuri.
B. Washi wanabeba mawe migodini.
C. Kikombe kimeletwa na kuoshwa.
D. Ndege ingalianguka abiria wanalifariki.
20. Ni jibu lipi lenye maneno yasiyoambatanishwa ipasavyo?
A. Ona - Onevu.
B. Cheka - Cheshi.
C. Dhulumu - Dhalimu.
D. Kaa - Kaidi.
21. Tone ni kwa jasho na doti ni kwa:-
A. nguo B. lesa
C. damu D. samaki.
22. Andika katika usemi wa taarifa "Yawekeni madawati yenu darasani humu," mwalimu aliwaambia wanafunzi wake.
A. Mwalimu aliwaambia wanafunzi wake wayaweke madawati yao darasani humu.
B. Mwalimu aliwaambia wanafunzi wake wayaweke madawati yao darasani humo.
C. Mwalimu aliwaamuru wanafunzi wake wayaweke madawati yao darasani humo.
D. Mwalimu aliwaambia wanafunzi wako wayaweke madawati yenu darasani humo.
23. Kuni jikoni huanikwa kwenye:-
A. uchaga B. susu
C. bembea D. kifumbu.
24. Neno 'Muhtasari' lina silabi ngapi?
A. Tisa B. Nne
C. Tano D. Saba
25. Andika ukubwa wa sentensi ifuatayo:
Kikapu kimejaa maembe.
A. Kapu limejaa maembe.
B. Jikapu limejaa majembe.
C. Jikapu limejaa jijembe.
D. Kapu limejaa majiembe.
26. Andika sentensi ifuatayo katika kauli ya kutendewa.
Juma alienda kwa Muasya akalima shamba.
A. Shamba lililimiwa kwa Juma na Muasya.
B. Shamba la Muasya lililimiwa kwa Juma.
C. Juma alilimiwa shamba na Muasya.
D. Muasya alilimiwa shamba na Juma.
27. Tegua kitendawili kifuatacho.
Anatafuna lakini hamezi.
A. Shoka. B. Ulimi.
C. Ng'ombe. D. kivuli.
28. Fuma ni kutengeneza kitu kwa kusokota nyuzi. Fuma aidha ni:-
A. kitu kilichoviringwa
B. mtu aliyejeruhiwa kwa mkuki
C. toka kwa maji ufukoni na kwenda sehemu ya mbali ya bahari
D. Mkuki wenye chembe kipana
29. Tajiri akiharibikiwa au akifilisika hawezi kukosa akiba japo ndogo Chagua methali inayolingana na maelezo haya.
A. Kutoa ni moyo usambe ni utajiri.
B. Jungu kuu halikosi ukoko.
C. Chururu si ndo ndo ndo!
D. Hakuna ziada mbovu.
30. Bainisha kiwakilishi katika sentensi ifuatayo:
Mto huu ni salama lakini ule una mamba wengi sana.
A. Huu B. Ule
C. Salama D. Lakini

Yasome makala yafuatayo kisha ujibu maswali kuanzia 31 hadi 40.

Tenge alisikia kondakta akiitwa Ringo na dereva. Kondakta alipoanza kukusanya nauli alimpita Tenge makusudi, ingawa Tenge alimnyoshea mkono kumpa nauli yake. Jambo la kustaajibisha ni kwamba Ringo alimwambia Tenge apoe tu, leo angemlipia. Tenge alifurahi sana kuona kuwa siku hiyo ilikuwa ya bahati kwake, kwani hakuokoa shilingi hamsini tu bali alipata rafiki mpya. Aliwaza moyoni mwake”, kumbe makondakta si ibilisi kama wanavyochukuliwa?”

Tenge alipofika mjini alishuka na **kushika hamsini zake** za kuabiri basi jingine na kuendelea na safari ya shule. Alikuwa msichana wa darasa la nane katika shule ya mchana iliyokuwa ng’ambo ya pili ya mji.

Baada ya juma moja Tenge alibahatika tena kuiona matau ile tena katika kituo cha mabasi. Safari hii hakusita kamwe bali aliiabiri moja kwa moja na kumwamkia kondakta. Alikuwa ni yule yule kijana mtanashati kwa jina Ringo. Matatu haikuwa na watu wengi na Ringo alipata wasaa wa kumtupia Tenge maneno mawili matatu tena kwa kiingereza. Tenge alistaajabu kwamba alikuwa amesoma. Wakaanza ushuba, ikawa ni kawaida kwa Tenge kusafiri bure katika matatu hiyo.

Siku moja Ringo alimwalika Tenge kwa matembezi katika safari zao za matatu. Siku hiyo Tenge alibeba nguo za kubadilisha katika shanta yake. Baada ya kufika mwisho wa safari ya kwanza ya matatu, Tenge alipewa nafasi ya kubadilisha nguo zake. Dereva akalipeleka gari mahali penye faragha; yaani kwenye barabara isiyo na magari mengi. Ringo alianza kumwonyesha Tenge zawadi fulani alizomnunulia. Tenge kuona hivyo aliduwa na kumtazama Ringo kwa uso wa shukrani.

Baada ya mwezi mmoja wa matukio haya katika maisha ya Tenge, masomo yake yalianza kuzorota. Alikuwa hatilii maanani sana. Hata walimu walianza kumdadisi. Siku alizokuwa akienda matembezini na Ringo, alizoea kudanganya kwamba alikuwa mwele. Siku moja Tenge alimwambia Ringo tatizo la masomo yake. Hapo ndipo Ringo alipomwambia kwamba angeweza kumsaidia kutatua shida hiyo. Walipanga matembezi mengine ili Ringo amweleze Tenge suluhisho hilo.

Kesho yake **walikutana kama ilivyokuwa ada yao faraghani**. Tenge alikuwa na hamu sana ya kujua jibu hili. Alikuwa hataki kumkosea Ringo pamoja na kuwahuzunisha wavyele wake kwa kuacha shule. Ringo alimweleza kwamba alikuwa na kitu ambacho kingemsaidia kufanya vyema katika masomo yake.

Ndipo alipomtotea Tenge aina ya sigara na kumweleza kwamba sigara hiyo ilikuwa na dawa iliyochangamsha ubongo. Tenge hakutafakari dawa hiyo ilikuwa nini na ilichangamsha ubongo vipi! Yeye alitaka tu suluhisho la tatizo lake. Alingojea kupewa masharti yanayoambatana na sigara hiyo.

Tenge hakuwa amewahi kuvuta sigara tena, hakupendelea wanawake walio na hulka hiyo. Moyoni aliwaza ikiwa nitaivuta katika siri tena mara moja kama dawa na itanisaidia, haina neno!” Alipoonyeshwa jinsi ya kuivuta sigara hiyo aliichukua na kujaribu. Mara ya kwanza moshi ulizua kukohoa na machozi nayo yalimtiririka. Alihisi kama kifua kinapasuka. Kumbe chombo chake kilikuwa kimeenda mrama na sasa kilielekea kuzama!

31. Kulingana na aya ya kwanza:-
 A. Ringo aliamua kumpuuza Tenge
 B. Tenge hakutaka kulipa nauli yake
 C. Ringo alimpita Tenge makusudi
 D. Tenge hakuwa na pesa za nauli.
32. Chagua kauli iliyo sahihi.
 A. Nauli ya kuenda shuleni ilikuwa shilingi hamsini.
 B. Makondakta wengi walikuwa na sifa mbovu
 C. Ringo na Tenge walikuwa wamekutana awali
 D. Matwana ilimbaba Tenge kutoka mjini.
33. **Alishuka na kushika hamsini zake**, maana yake ni kuwa:-
 A. alishuka na kushika shilingi zake hamsini
 B. alishuka baada ya kulipa shilingi hamsini
 C. alishuka na kukimbilia shuleni
 D. alishuka na kujiendea kwenye shughuli zake.
34. Shule ya akina Tenge ilikuwa ya:-
 A. kutwa B. mseto
 C. bweni D. upili.
35. Lililomshangaza Tenge ni kung'amua:-
 A. kuwa Ringo na dereva walikuwa wasomi
 B. kuwa Ringo angeweza kuongea kimombo
 C. kuwa Ringo angempeleka matembezini
 D. kuwa makodakta walikuwa matembezini.
36. Tenge alizipataje nguo za kubadilisha?
 A. Aliletewa na Ringo kwenye matwana.
 B. Aliondoka nyumbani bila kuvalia sare.
 C. Alizibeba kwenye mfuko wake wa vitabu.
 D. Alizivalia ndani ya sare yake.
37. Madhara yaliyoletwa na uhusiano wa Ringo na Tenge ni :-
 A. Tenge kuwa mwele na masomo kuzorota
 B. Tenge kupewa zawadi na masomo kuzorota
 C. Tenge kubugia vileo na kutofika shuleni tena
 D. Tenge kukosa makini na masomo kuzorota.
38. Walimu walikuwa wawajibikaji kwa kuwa:-
 A. waliweza kulitambua tatizo la Tenge
 B. walisaili chanzo cha masomo kuzorota
 C. walimshauri Tenge kuhusu mienendo yake
 D. walimwomba Tenge azingatie masomo yake.
39. "...walikutana kama ilivyokuwa ada yao faraghani yaani:-
 A. walikutana faraghani kama walivyoahidiana
 B. walikutana kwenye matatu kama walivyozoea
 C. walipatana asubuhi Tenge akienda shuleni
 D. walikutana pembeni kama walivyozoea.
40. Kulingana na aya ya mwisho:-
 A. matatizo ya Tenge yangezidi kuongezeka
 B. sigara ilichangamsha ubongo wa Tenge
 C. Tenge hakujua kuwa sigara ina madhara
 D. wazazi walimsihi Tenge asiache shule.

Soma kisa kifuatacho kisha ujibu maswali 41 hadi 50.

Kila siku niamkapo, mimi hufikiria kuhusu mtafaruku unaohusiana na maisha yetu. “Ni jukumu la serikali,” wengi huishia kusema kuhusiana na matatizo yanayokumba jamii yetu. “Serikali inahitaji kulishughulikia tatizo hili kwa haraka,” wengine husema ilhali wengine hulalama **wakinong’onezana**, “Serikali lazima ijitolee mhanga kuboresha hali ya watu wake, au sivyoo...”

Serikali ni wewe. Serikali kumbe ni mimi. Serikali si dude. Mtazamo wetu finyu umetufanya kujitwika mzigo mzito usio wetu huku tukipiga kelele zisizoisha na zisizo na maana.

Jukumu ni letu. Lazima **kila mmoja wetu kuchukulia kuwa tatizo lililo miongoni mwetu linaweza kutatuliwa na mimi na wewe**. Hebu fikiria kidogo. Wewe kama mwanafunzi ikiwa ungemwachia huyo dude unayemwita serikali kila kilicho chako kukutekelezea ingekuwaje?

Kama ungedai kuwa serikali inafaa kusoma kwa niaba yako ili wewe ule matunda tu! Kama ungekataa kufanya kazi yako uliyopewa na mwalimu darasani. Kwa kuwa ni jukumu la serikali kuhakikisha wanafunzi hawasumbuliwi na walimu. Ama kama ungekataa kumheshimu mwalimu wako kwa kuwa ni haki yako kutomheshimu.

Ama tuangalie suala hili kwa mapana zaidi. Hebu fikiria kama kila mtu angetupa ganda la ndizi popote alapo ama karatasi kwa sababu ni jukumu la serikali kuokota uchafu huo? Au jamaa kujichukulia sheria mkononi mwao na kuanza kulishana makonde wanapokasirika kwa sababu polisi wapo kuhakikisha kuwa utangamano upo miongoni mwetu! Hali ingekuwaje?

Kwanza ni jukumu la kila mmoja wetu kupiga kelele kuhusiana na uovu katika mazingira yetu kunyamaa kuna balaa yake, maangamizi ya milele! Piga kelele na umwambie mwenzako, majirani na marafiki wakusaidie kufanya hivyo. Utashangaa, mwizi atatoroka, uovu utaondoka.

Pili kuna haja kukaa ange katika yale yote yanayotendeka miongoni mwetu. Kuwa macho kutasaidia kujua yanayokwenda mrama na kusaidia kuyarekebisha. Tuwajibike katika kushughulikia matatizo tuliyo nayo. Mwito wetu unafaa kuwa. “Hakuna mwingine mimi ndimi!” Kuwa na mtazamo kama huu kutasaidia kuondoa siri kubwa iliyo katika serikali.

41. Mwandishi anasema kuwa:-
 A. maisha yake yamejaa mitafaruku
 B. amekata tamaa kuhusu maisha ya jamii
 C. wote hufikiria kuhusu fujo za maisha
 D. kila siku hujipata akiwazia migogoro ya maisha.
42. Maana ya “wakinong’onezana” ni:-
 A. wakidanganyana
 B. wakiambiana waziwazi
 C. wakiongea kwa sauti za chini
 D. wakilaumiana.
43. Watu wanaorejelewa katika aya ya kwanza ni:-
 A. wazalendo
 B. walegevu
 C. walowezi
 D. waona mbele.
44. Mwandishi anaonelea kuwa serikali ni
 A. kila anayewajibika
 B. Rais na viongozi
 C. watu wengine wote
 D. dude lisilojulikana.
45. **Lazima kila mmoja wetu kuchukulia kuwa tatizo lililo miongoni mwetu linaweza kutatuliwa na mimi na wewe.**
 Ni methali gani inayolingana na kauli hii?
 A. Manahodha wengi chombo huenda mrama.
 B. Nia zikiwa moja kilicho mbali huja.
 C. Kilio huanza mfiwa ndipo wa mbali wakafuata.
 D. Maji ya kifuu ni bahari ya chungu.
46. Mwanafunzi hawezi kuiachia serikali majukumu yake kwa kuwa:-
 A. haiwezekani kufanya hivyo
 B. ataadhibiwa na walimu wake
 C. atakosa kufaulu maishani
 D. atalaumiwa na wazazi wake.
47. Aya ya tano inapinga:-
 A. kuiachia serikali majukumu muhimu
 B. utupaji wa maganda ya ndizi
 C. kuiachia serikali kuokota uchafu
 D. kulipiza kisasi baada ya kukosewa
48. Kujichukulia sheria mikononi mwao ni:-
 A. kupigana bila sababu yoyote.
 B. kutekeleza majukumu yanayotengewa serikali
 C. kujaribu kukomesha dhuluma
 D. kulipiza kisasi baada ya kukosewa.
49. Maoni ya mwandishi ni kuwa:-
 A. kila mmoja akiwajibika maovu yataangamizwa
 B. nguvu za kumaliza uhalifu zote ni za raia
 C. wezi wote hutoroka wanapopigiwa kelele
 D. kupiga kelele huangamiza maovu yote
50. Kichwa kifaacho zaidi kwa makala haya ni:
 A. Jukumu la serikali.
 B. Maovu ya kijamii.
 C. Wajibu wa mzalendo.
 D. Hakuna mwingine, wewe ndiwe.

SIGNAL EXAMS 2020**ENGLISH**
SECTION B:
COMPOSITION**Time: 40 Minutes**

YOUR INDEX NUMBER	
YOUR NAME	
NAME OF YOUR SCHOOL	

READ THESE INSTRUCTIONS CAREFULLY

1. In the spaces provided above write your full index number, your Name and Name of your school.
2. Now open this paper, read the composition subject carefully and write your composition on the lines provided.
3. The composition **must** be written in English.

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SIGNAL EXAMS 2020**SCIENCE**

Time: 1hr 40min

READ THESE INSTRUCTIONS CAREFULLY

- 1 You have been given this question booklet and a separate answer sheet. The question booklet contains 50 questions.
- 2 Do any necessary rough work in this booklet.
- 3 When you have chosen your answer, mark it on the **ANSWER SHEET**, not in the question booklet.

HOW TO USE THE ANSWER SHEET

- 4 Use an ordinary pencil.
- 5 Make sure that you have written on the answer sheet:
YOUR INDEX NUMBER
YOUR NAME
NAME OF YOUR SCHOOL
- 6 By drawing a **dark line** inside the correct numbered boxes mark your full Index Number (i.e. School Code Number and the three-figure Candidate's Number) in the grid near the top of the answer sheet.
- 7 Do not make any marks outside the boxes.
- 8 Keep your answer sheet as clean as possible and do not fold it.
- 9 For each of the Questions 1 – 50, four answers are given. The answers are lettered A, B, C, and D. In each case only **ONE** of the four answers is correct. Choose the correct answer.
- 10 On the answer sheet the correct answer is to be shown by drawing a **dark line** inside the box in which the letter you have chosen is written.

Example**In the question booklet:**

- 4.** The purpose of using salt in food preservation is to:-
- A. add flavour
 - B. inactivate micro-organisms
 - C. lower the temperatures
 - D. remove water

The correct answer is **D (remove water)****On the answer sheet:**

4. [A] [B] [C] [D] **14.** [A] [B] [C] [D] **24.** [A] [B] [C] [D] **34.** [A] [B] [C] [D] **44.** [A] [B] [C] [D]

In the set of boxes numbered **4**, the box with the letter D is printed in it is marked.

11. Your **dark line MUST** be within the box.
12. For each question **ONLY ONE** box is to be marked in each set of four boxes.

This question paper consists of 8 printed pages.

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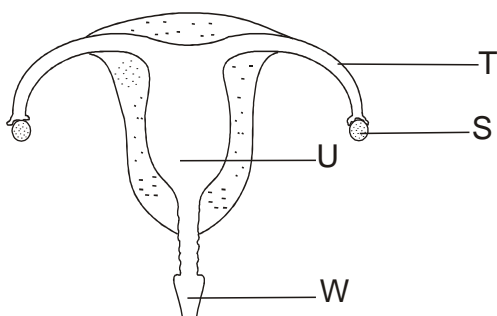
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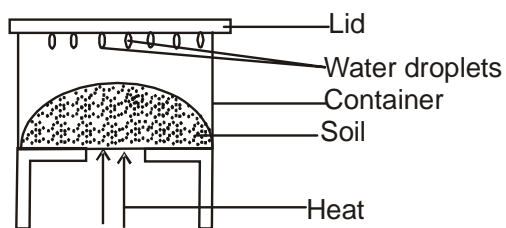
1. The diagram below represents a female reproductive system.



The process taking place in the parts labelled **S,T,U,W** respectively are:-

	S	T	U	W
A.	Ovary	Oviduct	Uterus	Vagina
B.	Fertilisation	Ovulation	Parturition	Implantation
C.	Ovulation	fertilization	Implantation	Parturition
D.	Parturition	implantation	ovulation	fertilization

2. The diagram below is a set up that was used to investigate a certain component of soil.



Which component was being investigated?

- A. Water in soil.
 B. Air in soil.
 C. Organic matter in soil.
 D. Smoke in soil.

3. Which one of the following will **not** change when clay soil is added to sand soil? Soil:-

- A. colour
 B. texture
 C. capillarity
 D. fertility.

4. Which one of the following is **not** true about pressure exerted by liquids? Pressure in liquids increases when:-

- A. diameter of container is reduced
 B. container with liquid is raised
 C. amount of liquid is increased
 D. depth of liquid is increased.

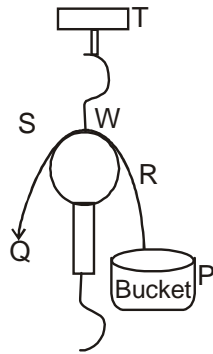
5. The activities below are carried out when separating a mixture of salt, iron filling and sand but not in their correct order.

- (i) *Filter the mixture through a sieve.*
 (ii) *Add water to the mixture.*
 (iii) *Leave the mixture in the sun.*
 (iv) *Pass a magnet through the mixture.*

The **correct** order of activities is:-

- A. (iv), (i), (ii), (iii).
 B. (ii), (iii), (i), (iv).
 C. (iv), (ii), (i), (iii).
 D. (ii), (iii), (iv), (i).

6. The diagram below shows a machine that is used to make work easier.



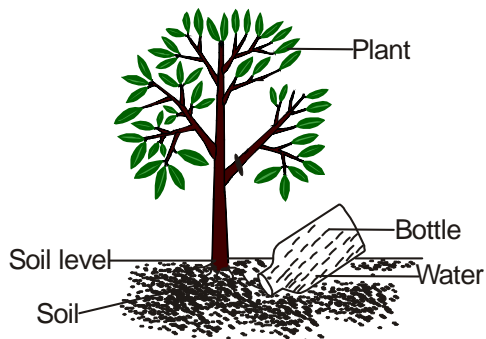
Which one of the following represents the effort distance?

- A. T - W B. W - R
C. P - R D. S - Q

7. Which one of the following groups consist of non-flowering green?

- A. Fern, moss, algae.
B. Moss, cabbage, mould.
C. Cabbage, grass, confers.
D. Moss, grass, puff ball.

8. The diagram below shows a method of conserving water.



The method of water conservation shown above is:-

- A. using water sparingly
B. recycling water
C. re-using water
D. mulching.

9. Which one of the following is a source of mechanical energy?

- A. Dam.
B. Solar panel.
C. Wind turbine.
D. Biogas plant.

10. Pollution of air, water and soil can be prevented through the following methods.

- (i) Reduce use of farm chemicals.
(ii) Recycling of waste solid products.
(iii) Treating industrial waste gases before disposal
(iv) Treating sewages

Which methods can be used to control air pollution?

- A. (ii) and (iv).
B. (i) and (iii).
C. (i) and (ii).
D. (i) and (iv).

11. Which one of the following is the **most** effective way of controlling spread of malaria in a place?

- A. Wearing gloves and protective clothes.
B. Destroying mosquito breeding places.
C. Spraying mosquitoes with insecticides.
D. Sleeping inside a mosquito net.

12. Study the food chain drawn below and answer the questions that follow.

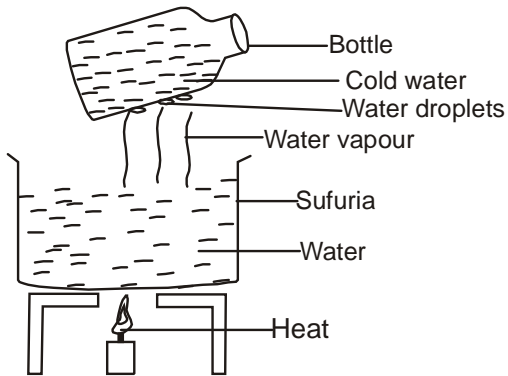
Grass → Grasshopper → Hen
→ Mongoose → Vulture.

What will happen to the food chain if all mongoose were killed?

- A. Grass will decrease.
B. Grasshoppers will increase.
C. Hens will increase.
D. Vultures will increase.

13. Which one of the following pair of diseases consist of communicable disease **only**?
- Chancroid and bilharzia.
 - Tuberculosis and malaria.
 - Syphilis and gonorrhoea.
 - Bilharzia and gonorrhoea.
14. Which one of the following pairs consists of planets with the shortest orbits?
- Venus and Mercury.
 - Mars and Jupiter.
 - Earth and Saturn.
 - Neptune and Uranus.
15. The cloud which is mountaneous in shape and has grey colour is also **likely** to:-
- be found high in the sky
 - show a sign of fine weather
 - be feathery and cotton line
 - show a sign of heavy rainfall.
16. Which one of the following plants is **likely** to grow in areas without nitrogen in the soil?
- Butterwort.
 - Liverwort.
 - Lichens.
 - Algae.
17. In an investigation equal amounts of soap was added to equal amounts of water samples **X** and **Y** obtained from different sources.
- X is not the best for drinking.*
 - Y formed suspended particles.*
- Which of the following statements about **X** and **Y** is **correct**?
- X may have alot of minerals.
 - Y may form lather after boiling.
 - X can form scales and fur in pipes.
 - Y does not waste stop when washing.
18. Which one of the following statements is **true** about solids and gases?
- Solids have indefinite volume.
 - Gases have definite mass.
 - Solids have indefinite shape.
 - Gases have definite mass.
19. In which one of the following activities is water used in industries?
- Watering plants.
 - Washing cars.
 - Making fountain.
 - Swimming.
20. The following are signs and symptoms of a sexually transmitted infections.
- Burning sensation when passing urine.*
 - Thick discharge from genitals.*
 - Swelling of body joints.*
 - Pain in the lower abdomen.*
- The above described STI is **likely** to be:-
- gonorrhoea
 - syphillis
 - genital herpes
 - chancroid.
21. Which one of the following would be observed when two similar balloons are rubbed against the same material then brought close together?
- They would burst.
 - They would repel each other.
 - They will neither attract nor repel.
 - They would attract each other.

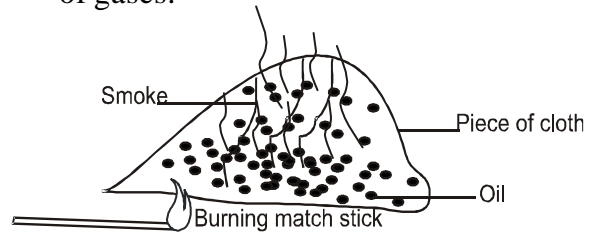
22. The diagram below represents a set up that is used to demonstrate a certain process.



The process investigated is:-

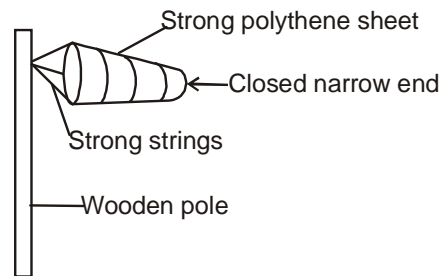
- A. evaporation
 - B. freezing
 - C. condensation
 - D. convection.
23. Which one of the following is a renewable source of energy?
- A. Natural gas.
 - B. Petrol.
 - C. Biogas.
 - D. Diesel.
24. Which one of the following levers has the position of effort between the load and fulcrum?
- A. Wheelbarrow.
 - B. Spade.
 - C. Claw hammer.
 - D. Crow bar.
25. Which one of the following animals lay eggs, has constant body temperature and its body is covered with fur?
- A. Bat.
 - B. Whale.
 - C. Shark.
 - D. Duck-billed platypus.

26. The diagram below is a set up that was used to investigate a certain property of gases.



The aspect investigated is:-

- A. gases occupy space
 - B. oil produce smoke on heating
 - C. gases have mass
 - D. gases expand on heating.
27. Standard five pupils made an improvised weather instrument below.



Which mistake did the pupils make during the construction?

- A. closing the narrow end.
 - B. using a thin wooden pole.
 - C. using a wooden pole instead of metal.
 - D. using a strong polythene sheet.
28. Class four pupils put a long piece of metal rod in water. It sank. They cut the same piece of rod into two pieces, they still sank. Which factor affecting floating and sinking were they investigating?
- A. Material
 - B. Size
 - C. Weight
 - D. Shape

29. Which one of the following parts of a bean seed is **correctly** matched with its function?

- | <u>Part</u> | <u>Function</u> |
|--------------|------------------------|
| A. Endosperm | - Stores food. |
| B. Radicle | - Develops into shoot. |
| C. Cotyledon | - Stores food. |
| D. Plumule | - Develops into roots. |

30. Which one of the following group consists of body protective food?

- A. Carrots, kales, tomatoes.
- B. Peas, beans, meat.
- C. Maize, pawpaw, sweet potatoes.
- D. Beef, cassava, potatoes.

31. The following are symptoms of some food deficiency diseases.

- (i) *Pot-belled.*
- (ii) *Pale eyes.*
- (iii) *Increased heart beats.*
- (iv) *Breathlessness.*
- (v) *Swollen face.*

Which pair represents a child suffering from kwashiorkor?

- A. (i) and (iii).
- B. (i) and (v).
- C. (iii) and (iv).
- D. (iv) and (v).

32. The following are some effects of drug abuse.

- (i) *Truancy.*
- (ii) *Addiction.*
- (iii) *Rape.*
- (iv) *Drug induced accidents.*
- (v) *Withdrawal symptoms.*

Which one of the following consists **only** of health effects?

- A. (iii) and (iv).
- B. (i) and (ii).
- C. (ii) and (iii).
- D. (ii) and (v).

33. In the human body, food that is **not** digested is stored in the:-

- A. small intestines
- B. rectum
- C. large intestine
- D. stomach.

34. The diagram below represents a certain type of human teeth.



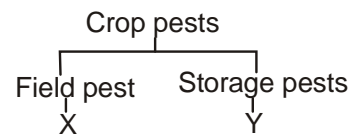
The function of the tooth is:-

- A. crushing and grinding
- B. grinding and biting
- C. crushing and tearing
- D. tearing and gripping.

35. Which one of the following statements is **true** about incubation stage of HIV infection?

- A. There are visible signs.
- B. The body is weak and cannot fight diseases.
- C. If HIV test is carried out the result is positive
- D. This is the dangerous stage of infection.

36. The illustration below shows classification of crop pests.



Which one of the following would fit into Y and X **respectively**?

- A. weevil, aphids.
- B. stalkborer, armyworm.
- C. white ants, mouse.
- D. cutworm, rodents.

37. The following are characteristics of a certain animal

- (i) Has blubber.
- (ii) Gives birth to youngones.
- (iii) Has constant body temperature.

The animal described above is:-

- A. eagle
- B. duck-biled platypus
- C. whale
- D. newt.

38. The diagram below represents a beak of a certain bird.



The bird represented is a:-

- A. fish eater
- B. filter feeder
- C. grain eater
- D. nectar eater.

39. Std. 6 pupils collected the following materials.

- (i) Clean water.
- (ii) Basin.
- (iii) White sheet of paper.
- (iv) Mirror.

Which one of the following aspects of light were they investigating?

- A. Reflection of light.
- B. Making a rainbow.
- C. Refraction of light.
- D. Absorption of light.

The chart below represents a weather record for five days.

DAY	MORNING	AFTERNOON
MON		
TUE		
WED		
THUR		
FRI		

40. Three of the following are false about the weather chart above **except** whenever it was:-

- A. sunny in the morning, it was windy in the afternoon
- B. cloudy in the morning, it was sunny in the afternoon
- C. calm in the morning, it was sunny in the afternoon
- D. windy in the morning, it rained in the afternoon.

41. The following are characteristics of plants found in a certain environment

- (i) *Sunken stomata.*
- (ii) *Thick waxy cuticle.*
- (iii) *Long and spread roots.*

Which one of the following plants does **not** have the above characteristics?

- A. Euphorbia.
- B. Baobab.
- C. Cactus.
- D. Duckweed.

42. A person was found to have the following signs and symptoms

- (i) *Itching in the bowels.*
- (ii) *Blood in urine.*
- (iii) *Rashes on the body.*
- (iv) *Blood in stool.*

The person was **likely** suffering from:-

- A. cholera.
- B. malaria.
- C. bilharzia.
- D. typhoid.

43. The **main** reason of including food rich in phosphorous and calcium in the diet of pregnant women is **mainly** to:-
A. replace the blood during birth
B. promote production of quality milk
C. help in the formation of strong bones of unborn child
D. help in the formation of blood of the mother.
44. Which of the following is **not** a function of force?
A. Change direction of a body in motion.
B. Start a body in rest.
C. Stop a body in motion.
D. Increase amount of work done.
45. Which one of the following pairs of machines do **not** work using the same principle?
A. Crowbar and wheelbarrow.
B. Claw hammer and spade.
C. Ladder and staircase.
D. Road winding uphill and flagpost.
46. Which one of the following forms of energy can be transmitted in vacuum and gases?
A. Sound and heat.
B. Light and sound.
C. Heat and light.
D. Electricity and heat.
47. Which one of the following is not an effect of moving air?
A. Blowing away soil.
B. Sailing boats and canals.
C. Blowing roofs off.
D. felling of trees
48. Which one of the following lists of animal feeds will provide the animal with energy?
A. Glycerine, desmodium, clovers.
B. Desmodium, oats, glycerine.
C. Maize germ, wheat bran, nappier grass.
D. Lucern, clovers, fodder.
49. Which one of the following lists consists of internal parasites that are found in the small intestines?
A. Liverfluke, tapeworms, lungworm.
B. Tapeworms, roundworms, hookworms.
C. Lungworms, tapeworms, hookworms.
D. Roundworms, liverflukes, lungworms.
50. Which one of the following materials is magnetic?
A. Copper.
B. Silver.
C. Cobalt.
D. Alluminium.

SIGNAL EXAMS 2020

SOCIAL STUDIES AND RELIGIOUS EDUCATION

Time: 2 hours 15 minutes

READ THESE INSTRUCTIONS CAREFULLY

1. You have been given this question booklet and a separate answer sheet. The question booklet contains 90 questions.
2. Do any necessary rough work in this booklet.
3. When you have chosen your answer, mark it on the **ANSWER SHEET**, not in the question booklet.

HOW TO USE THE ANSWER SHEET

4. Use an ordinary pencil.
5. Make sure that you have written on the answer sheet:
YOUR INDEX NUMBER
YOUR NAME
NAME OF YOUR SCHOOL
6. By drawing a **dark line** inside the correct numbered boxes mark your full Index Number (i.e. School Code Number and the three-figure Candidate's Number) in the grid near the top of the answer sheet.
7. Do not make any marks outside the boxes.
8. Keep your answer sheet as clean as possible and do not fold it.
9. For each of the questions 1 – 90, four answers are given. The answers are lettered A, B, C and D. In each case only **ONE** of the four answers is correct. Choose the correct answer.
10. On the answer sheet the correct answer is to be shown by drawing a **dark line** inside the box in which the letter you have chosen is written.

Example

In the question booklet:

- 33.** The following early visitors came to Eastern Africa as explorers except

- A. John Speke
- B. H.M. Stanley
- C. Vasco Da Gama
- D. Seyyid Said

The correct answer is “**D**”

On the answer sheet:

31 | A | B | C | D | **32** | A | B | C | D | **33** | A | B | C | **D** | **34** | A | B | C | D | **35** | A | B | C | D |

In the set of boxes numbered **33**, the box with the letter **D** printed in it is marked.

11. Your **dark line** **MUST** be within the box.
12. For each question **ONLY ONE** box is to be marked in each set of four boxes.

This question paper consists of 8 printed pages

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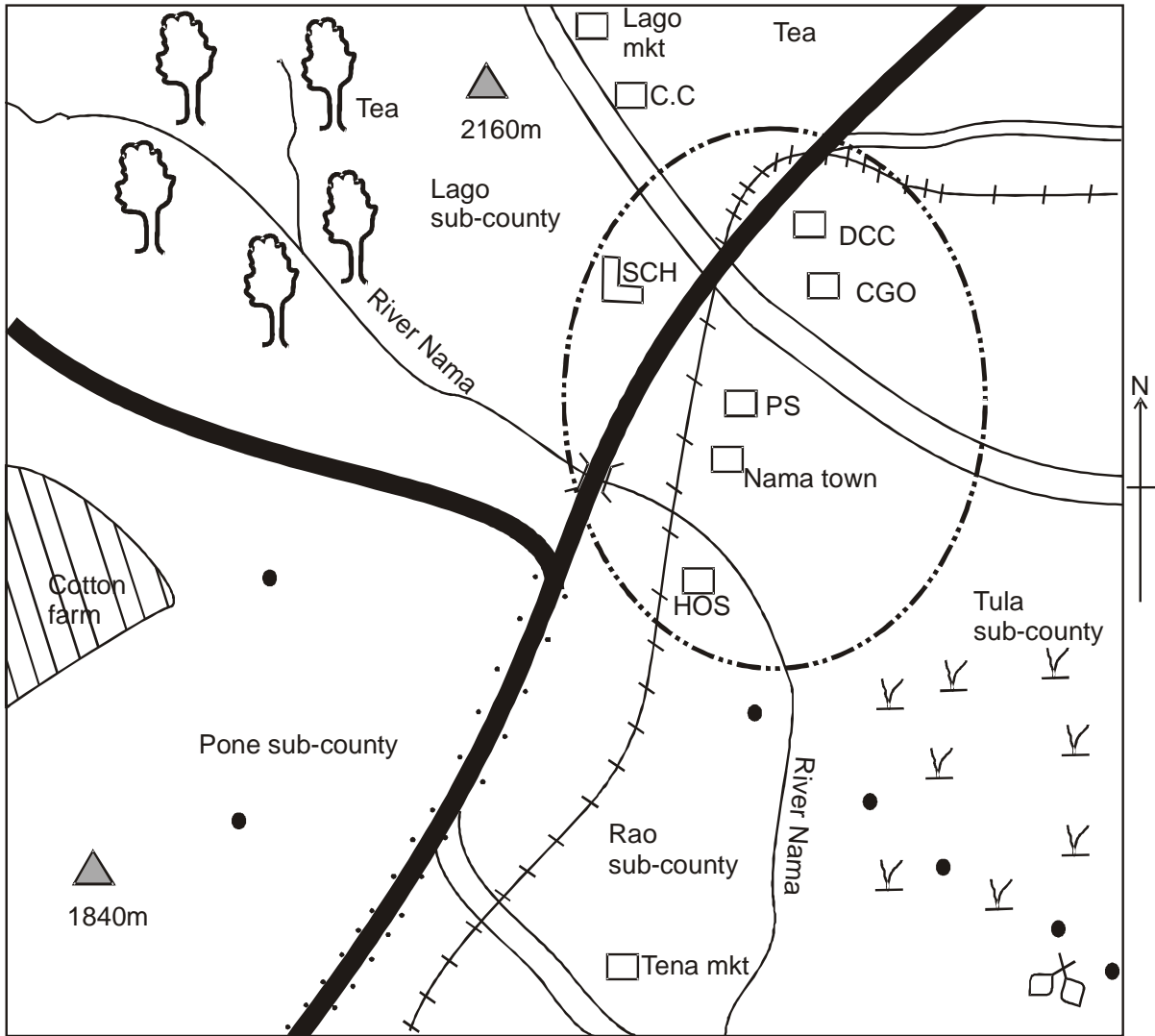


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NAMA AREA



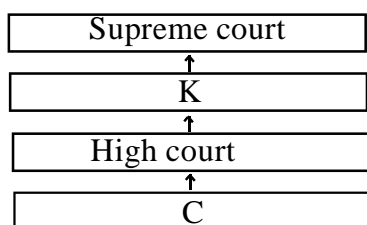
Scale 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 km
KEY

	Tarmac road		School		Chief's camp
	Murram road		Quarry		Market
	Forest		River and bridge		Hill
	Permanent buildings		Hospital		Scrubs
	Town boundary		Settlement		Railway line
	County Governor's office		Police station		Deputy county commissioner

Study the map of Nama Area and answer questions 1 - 7.

1. What is the general direction of the flow of River Nama?
 - A. South West.
 - B. North East.
 - C. South East.
 - D. North West.
2. Nama area is likely to be a
 - A. sub-county
 - B. county
 - C. constituency
 - D. ward.
3. What evidence from the map shows that the Northern part of Nama area receives adequate rainfall?
 - A. Tea
 - B. Cotton
 - C. Hill
 - D. River.
4. Three of the following social services and provided in Nama town **except**:-
 - A. medical services
 - B. educational services
 - C. security services
 - D. recreational services.
5. Which one of the following is the **main** source of revenue for Nama town?
 - A. Fines paid by law breakers.
 - B. Parking fees.
 - C. Money paid by business people.
 - D. Fees paid by visitors in the town.
6. The settlement pattern in Nama area can be described as:-
 - A. clustered B. linear
 - C. sparse D. dense.
7. Which one of the following types of soil is **likely** to be found in the Western part of Nama area?
 - A. Volcanic soil. B. Clay soil.
 - C. Sandy soil. D. Alluvial soil.
8. Which one of the following communities do **not** belong to the same language group?
 - A. Nyamwezi, Baganda, Agikuyu.
 - B. Nuer, shilluk, Karmojong.
 - C. Orma, Rendile, Dahalo.
 - D. Kipsigis, Elmolo, Pokomo.
9. Which one of the following is the **least** reason why the Bantu migrated from their cradle land?
 - A. Population pressure.
 - B. External attacks.
 - C. Search for fertile land.
 - D. Desire for adventure.
10. The following are forms of communication
 - (i) *Telephones.*
 - (ii) *Bronchures.*
 - (iii) *Email.*
 - (iv) *Radio.*
 - (v) *Courier services.*Which one of the above forms consists of electronic media **only**?
 - A. (iii), (iv), (v).
 - B. (i), (iii), (iv).
 - C. (i), (iii), (v).
 - D. (i), (ii), (iii).
11. Which one of the following is the **main** function of the school board of management in public primary schools?
 - A. Punishing errant teachers.
 - B. Initiating development projects.
 - C. Punishing pupils who come to school late.
 - D. Employing non-teaching staff.
12. One of the duties of the African chiefs in Kenya during the colonial period was to:-
 - A. conduct raids on other communities
 - B. provide food to freedom fighters
 - C. organize for supply of labour to settler farms
 - D. nominate people to the native councils.

13. Who among the following African leaders collaborated with the Europeans during the colonial invasion in Kenya?
- Koitalel Arap Samoei.
 - Laibon Lenana.
 - Mekatilili wa Menza.
 - Dedan Kimathi.
14. The **main** reason why the United Nations (UN) was established was to:-
- promote economic cooperation in the world
 - conserve the environment
 - promote peace in the world
 - take care of refugees in the world.
15. Which one of the following is **not** a social right to the Kenyan citizens?
- Right to marry.
 - Right to health care.
 - freedom from discrimination.
 - freedom of speech.
16. Which one of the following groups of crops in Kenya are grown **mainly** in plantations?
- | | |
|-------------------------------------|-----------------------------------|
| A. Vegetables
Sisal
Potatoes. | B. Tea
Coffee
Sugarcane. |
| C. Sorghum
Cassava
Beans. | D. Maize
Pyrethrum
Bananas. |
17. Who among the leaders in the senate is an ex-officio member?
- Elected senators.
 - Youth representatives.
 - Disabled representatives.
 - Speaker.
18. The diagram below shows the hierachy of the court system in Kenya.



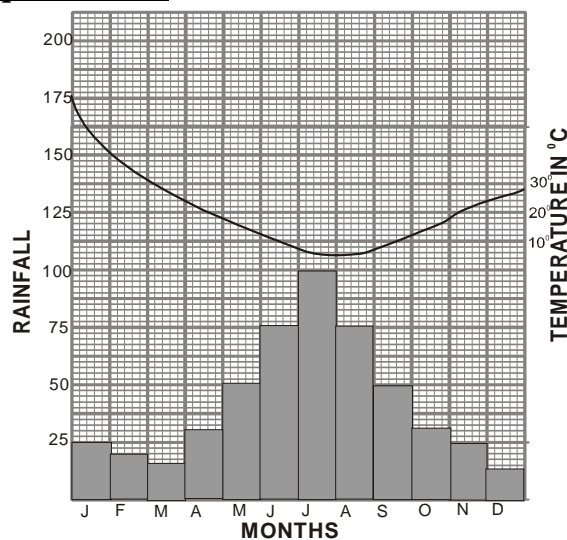
Which of the following courts is represented by letter **K**?

- Principal magistrate court.
 - Court of appeal.
 - Cheif magistrate court.
 - Industrial court.
19. In Kenya the road safety education is taught in school in order:-
- to reduce the number of road carnage in the country
 - to enable motorists to drive safely
 - to encourage people to use road transport when travelling
 - to know the number of vehicles on the roads.
20. In African traditional society, trees shedding leaves was associated with:-
- coming of rain
 - onset of the drought
 - appearance of a new moon
 - change of climate.
21. In Kenya the human rights are guaranteed by the:-
- national police service
 - chief justice
 - president
 - constitution.
22. Three of the following statements are correct about horticultural farming in Netherlands **except** one. Which one is it?
- Production is highly mechanised
 - Most of the products are locally consumed.
 - It is intensively done in polders.
 - Mixed farming is practised.
23. Who among the following is **not** a member of the county executive committee?
- Governor
 - Senator
 - Appointed county executive member
 - Deputy governor

24. Which one of the following historical events took place in Kenya in 1991?
- Kenya became a republic.
 - Section 2A of constitution of Kenya was repealed.
 - Introduction of multi-party politics.
 - The national coalition was formed.
25. Which one of the following African countries is sparsely populated?
- Nigeria.
 - Egypt.
 - Western Sahara.
 - Uganda .
26. Below is a description of a community in Africa.
- Carried out initiation for boys and girls.
 - Had hunting dogs.
 - Decision making on issues were made through general agreement.
- The community described above is:-
- Khoikhoi
 - Baganda
 - San
 - Abagusii.
27. Julius Nyerere and Haile Selassie had one thing in common. It is that:-
- they were the first president of Kenya
 - they were the founder members of OAU
 - each formed a political party that led his country to independence
 - favoured economic and social equality in Kenya.
28. The main factor influencing vegetation distribution in Africa is:-
- altitude
 - climate
 - relief
 - soils

29. Which one of the following is **not** a benefit of democracy?
- Good governance is practised and upheld.
 - There is minimal transparency.
 - Promotes human rights.
 - Equality and justice are encouraged.

Use the diagram below to answer question 30.



30. Which of the following statements is **not** true about the above climatic graph?
- Rainfall experienced is influenced by westerly winds.
 - Experiences off shore winds in winter.
 - Has a temperature range of about 15°C.
 - Has hot dry summers.
31. The following are social functions of the common wealth. Which one is **not**?
- encouraging trade among member countries.
 - promoting the rule of law.
 - reconciling warring member countries.
 - holding games and sports.

32. Which one of the following is the **main** reason why the Fulani of Northern Nigeria keep large herds of cattle?
- Large herds provide security against loss of cattle through disease.
 - Cattle are the community's source of food.
 - Fulani have extensive grazing lands in Northern Nigeria.
 - Cattle are regarded as a sign of wealth.
33. Which one of the following is an example of a service industry?
- Milk processing.
 - Bicycle repair.
 - Bread making.
 - Fruit canning.
34. Below are historical events which took place in Kenya before 1918.
- Kenya became a British protectorate.*
 - Legco was established.*
 - Nandi resistance broke out.*
- The **correct** order in which the events occurred is:-
- (iii), (i), (ii)
 - (i), (ii), (iii)
 - (ii), (i), (iii)
 - (i), (iii), (ii)
35. One of the uses of flourspar is to:-
- soften hard water
 - strengthen steel and aluminium
 - make furnaces and insulators
 - make paint.
36. Which one of the following dams in Africa is **correctly** matched with river on which is located?
- | Dam | River |
|----------------|------------------|
| A. Kariba dam | - River Tana. |
| B. Akosombo | - River Zambezi. |
| C. Aswan High | - River Nile. |
| D. Masinga Dam | - River Volta. |
37. Below are some minerals mined in Eastern Africa.
- Diatomite.*
 - Copper.*
 - Flourspar.*
 - Diamonds.*
- Which combination of the minerals listed above is mined in Kenya?
- (i) and (iii).
 - (ii) and (iii).
 - (i) and (ii).
 - (ii) and (iv).
38. The following describes a climatic region in Kenya:
- Receives relief rainfall.*
 - Temperatures range from 18^oc to 25^oc.*
 - It is cool and wet.*
- The region described above is:-
- modified equatorial
 - modified tropical
 - montane
 - mediterranean.
39. Children are expected to take part in family duties because it:-
- helps them develop courage
 - promotes their physical development
 - is a sign of respect to the parents
 - prepares them for future.
40. Deposition lakes are mainly formed as a result of:-
- ox-bow lakes
 - continuous river erosion
 - meandering of the river
 - lessened speed of water
41. Which one of the following is a similarity between the population of Kenya and Germany?
- Life expectancy is low.
 - There is high population growth rate.
 - Slightly more females than males.
 - There are more youth than old people.

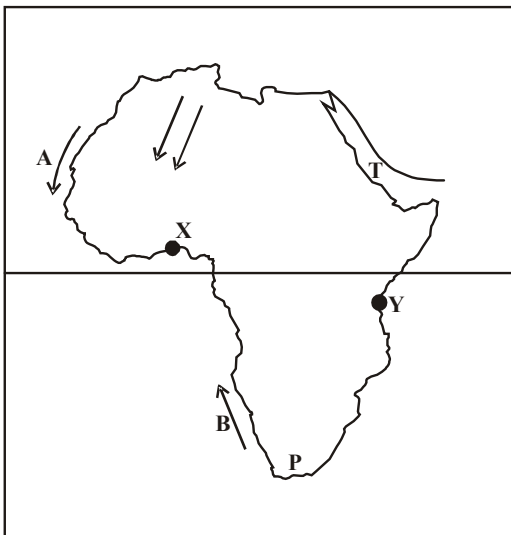
42. Which one of the following political parties led Ghana to independence in 1957?

- A. National Muslim Liberation.
- B. Convention People's Party.
- C. Ghana African National Union.
- D. United Gold Coast Convection party.

43. Which one of the following groups of lakes is made up of the fresh water lakes **only**?

- | | | | | | | | |
|---|------------|--------|----------|---|-------------|----------|---------|
| A. <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Tanganyika</td></tr><tr><td>Kyoga</td></tr><tr><td>Amboseli</td></tr></table> | Tanganyika | Kyoga | Amboseli | B. <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Kyoga</td></tr><tr><td>Chad</td></tr><tr><td>Turkana</td></tr></table> | Kyoga | Chad | Turkana |
| Tanganyika | | | | | | | |
| Kyoga | | | | | | | |
| Amboseli | | | | | | | |
| Kyoga | | | | | | | |
| Chad | | | | | | | |
| Turkana | | | | | | | |
| C. <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Victoria</td></tr><tr><td>Natron</td></tr><tr><td>Magadi</td></tr></table> | Victoria | Natron | Magadi | D. <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Elementaita</td></tr><tr><td>Benguela</td></tr><tr><td>Magadi</td></tr></table> | Elementaita | Benguela | Magadi |
| Victoria | | | | | | | |
| Natron | | | | | | | |
| Magadi | | | | | | | |
| Elementaita | | | | | | | |
| Benguela | | | | | | | |
| Magadi | | | | | | | |

Use the map below to answer question 44 - 46



44. The ocean currents marked **A** and **B** have one thing in common. Which one is it?

- A. They both result to desert conditions on the adjacent land.
- B. Both currents originates from the Indian ocean.
- C. They encourage fishing along the coast.
- D. They are both cold currents.

45. Which of the following communities is **likely** to be found in the region marked **P**?

- A. Ngoni
- B. Wolof
- C. Xhosa
- D. Berbers

46. The road network that runs from town **X** to town **Y** is known as:-

- A. the Great North road.
- B. the Trans-African highway.
- C. Trans-Saharan Highway.
- D. Cotonou-Gao-Oudja highway

47. The stretch that separates Africa from Arabia marked **T** is called:-

- A. Suez Canal
- B. Strait of Gilbrator
- C. Straits of Bab-el Mandeb
- D. Isthmus of Suez.

48. Which of the following is an example of erosion lake?

- A. Manzala.
- B. Gambi.
- C. Rukwa.
- D. Teleki.

49. In Kenya, cabinet secretaries are appointed by the:-

- A. national assembly
- B. senate
- C. president with approval of the parliament
- D. political parties.

50. Which one of the following is **not** associated with Gamal Abdel Nasser of Egypt?

- A. He encouraged farmers to form agricultural co-operatives.
- B. Constructed Aswan high dam.
- C. He carried out land reforms.
- D. He abolished sharia courts.

51. The **main** reason why the Portuguese came to the East coast of Africa was to:-
- conquer the African states
 - obtain raw materials for their industries
 - control trade in the Indian Ocean
 - search for market for manufactured goods.
52. Which one of the following methods of irrigation is used in Mwea Tebera irrigation scheme?
- Basin and canal.
 - Overhead and furrow.
 - Sprinkler and overhead.
 - Furrow and canal.
53. The time in town A which is 15°W is 6am. If the time in town B is 8am. On which longitude is town B located?
- 30°E.
 - 30°W.
 - 15°E.
 - 45°E.
54. The following is a list of relief features in Africa.
- Akwapim highlands.*
 - Bie plateau.*
 - Usambara mountains.*
 - Cape ranges.*
 - Ahaggar highlands.*
- Which of the above features were formed through the same process?
- (ii) and (iii).
 - (i) and (iv).
 - (ii) and (v).
 - (i) and (ii).
55. In Kenya, the **main** role of the judiciary is to:-
- interpret laws.
 - supervise elections
 - maintain law and order
 - make laws.
56. The **main** tourist attraction in Switzerland is:-
- wildlife
 - natural sceneries
 - sporting activities
 - historical and pre-historical sites
57. Which one of the following statement is **true** about the climate of Kenya highlands. The highlands:-
- have one rainy season
 - receive rain from South East moonsoon winds
 - are hot throughout the year
 - experience cool and dry conditions.
58. The **main** factor that has contributed to growth of Nakuru town is:-
- diatomite mining in the region
 - rich agricultural surrounding
 - presence of flamingoes in lake Nakuru
 - good means of transport.
59. Jebet a standard 4 pupil was given more balance than what she was to get by a shopkeeper. She decided to return the extra money. Which element of a good citizen did she demonstrate?
- Integrity.
 - Patriotism.
 - Loyalty.
 - Honest.
60. The National police service in Kenya is headed by the:-
- inspector general
 - commandant
 - chief of general staff
 - cabinet secretary for defence .

PART II: RELIGIOUS EDUCATION

SECTION A

CHRISTIAN RELIGIOUS EDUCATION

61. Which one of the following explains why the creation of man is different from other creatures?
- God rested after creating him.
 - God blessed man after creating him.
 - Man was the last of Gods creation.
 - Man was given power to care for the environment.
62. The **main** reason why Noah build an ark was to:-
- store food stuffs for his family
 - separate the sinners from the righteous
 - save Noah's family
 - assist him to restore God's relationship with man.
63. Which one of the following is a lesson that Christians learn from the story of Joseph in prison?
- God protects the innocent.
 - People should look after their parents.
 - People should have dreams.
 - God forgives his people.
64. The **main** lesson Christians learn from the call of Moses is that they should:-
- do God's wish
 - be tolerant
 - obey God's command
 - perform miracles.
65. During the night of passover, the Israelites smeared the door posts with blood in order to:-
- mark the houses of the Israelites
 - show that they are God's chosen people
 - show their readiness to leave Egypt
 - show that God was with them .
66. King Solomon sinned against God when he:-
- used forced labour and taxation when building the temple
 - allowed the worship of other gods
 - killed the prophets of God
 - married many wives.
67. Which one of the following qualities of leadership was **mainly** shown by David when he fought Goliath?
- Courage. B. Humility.
 - Faithfulness. D. Honesty.
68. Which one of the following statements is **true** about the teaching of Jeremiah on the new covenant?
- God would punish children for sins of their parents.
 - Israelites will live in peace forever.
 - Israelites would serve God as priests.
 - The laws would be written in people's hearts.
69. The boy raised to life by prophet Elijah was the son of the:-
- Widow of Nain
 - Shunammite woman
 - Window of Zarepath
 - Cannanite man, Jaines.
70. Zechariah doubted when the angel told him that his wife was going to have a son because:-
- the angel was like a human being
 - he had lost hope of getting a child
 - his wife was known to be barren
 - the angel said that the son would be great.
71. King Herod wanted to kill baby Jesus when he was born because he feared that Jesus would:-
- overthrow him as a ruler of the jews
 - stop people from going to the synagogue
 - stop people from paying taxes to Ceasar
 - convert the Jews to another religion.
72. "The son of man is the Lord of the sabbath" (**Luke 6:5**) Those words were spoken by Jesus Christ when:-
- his disciples picked the ears of corn .
 - he healed the woman with the flow of blood
 - he healed a paralytic man
 - he calmed the storm
73. From the incidence when Jesus calmed the storm Christians learn that they should:-
- be tolerant B. be obedient
 - be honest D. ask for help.
74. The parable of the friend at midnight teaches Christians that they should:-
- be ready to forgive others
 - ask for food from neighbours
 - ask for advice from neighbours.
 - pray persistently
75. Which one of the following actions of Jesus shows that a leader is a servant?
- Mixing with sinners
 - Washing the feet of the disciples
 - Riding on a donkey to Jerusalem
 - Visiting Martha and Mary.

76. "I find no reason to condemn this man (**Luke 23:4**) who among the following people said this during the trial of Jesus?
 A. Pilate B. The High priest
 C. Barnabas D. King Herod
77. "I promise you that today you will be in paradise with me" (**Luke 23:43**). Jesus said these words when he was:-
 A. at the sea of Galilea
 B. on the cross
 C. on the way to Emmaus
 D. in the garden of Gethsamane .
78. Who among the following people offered money to Simon Peter and John so as to receive the Holy spirit?
 A. Cornelius
 B. James
 C. Simon the magician
 D. Joseph of Arimathea
79. Wambui visits the sick and gives them food and clothes. The fruit of the Holy spirit he demonstrates is:-
 A. peace B. kindness
 C. love D. patience.
80. Three of the following activities in the early church demonstrated unity among the believers. Which one does **not**?
 A. Meeting in the temple for worship.
 B. Helping the widows.
 C. Breaking the bread.
 D. Speaking in tongues.
81. Which one of the following acts was performed by the elders during the worship in traditional African communities?
 A. Giving holy communion.
 B. Baptising people.
 C. Teaching moral values.
 D. Making of libation.
82. In which one of the following ways did people in traditional African society give thanks to God for the blessings?
 A. Shaking hands.
 B. Giving offerings.
 C. Visiting others.
 D. Sharing land with strangers.
83. Which one of the following marriage practices is found both in Christianity and traditional African society?
 A. Wife inheritance.
 B. Polygamy.
 C. Wedding.
 D. Divorce.
84. Which one of the following is a reason why Christians should take part in community work? To :-
 A. seek favours
 B. become popular
 C. promote unity amongst themselves
 D. improve their welfare.
85. Which one of the following is the **best** way for Christians to use their wealth?
 A. Buying clothes.
 B. Assisting the needy.
 C. Visiting places.
 D. Entertaining people.
86. James has noticed that his classmate Jane has started begging and he wants to help him to stop the habit, James should:-
 A. report to the teacher
 B. report to the parents
 C. avoid being seen in public with Jane
 D. remind Jane to show self-esteem.
87. Mirugi a standard seven finds out that his friend is taking alcohol during break time in school. What is the **best** advice for him to take?
 A. Advise the classmate to see a counsellor
 B. Report him to the police
 C. Tell the other members of the class
 D. Avoid talking to him.
88. During the holidays, Oduor a std. 7 pupil finds that he has alot of free time after completing homework. Which one of the following leisure time activities would be the **best** for him to be involved in?
 A. Reading stories.
 B. Visiting the old people.
 C. Cleaning the compound.
 D. Playing games.
89. Njeri, your classmate has a dirty uniform which she has refused to wash because she says that it is **not** her duty. As a Christian what advice would you give to her? Tell her to:-
 A. take it to the dry cleaner
 B. ask her parent to wash for her
 C. do the work and be proud of it
 D. pay a classmate to wash it for her.
90. Which one of the following is the **best** way Christians can use to help reduce the spread of HIV and AIDS?
 A. Providing drugs and food.
 B. Counselling the sick.
 C. Being role models.
 D. Teaching on behaviour changes.

SECTION B:

ISLAMIC RELIGIOUS EDUCATION

61. Which of the verses below is **wrongly** matched with the chapter it is drawn from?
- A. **Masad** - No profit to him from all his wealth, and all his gains.
 - B. **Quraish** - Who provides them with food against hunger and with security against fear.
 - C. **Tiyn** - And indeed the hererafter is better for you than the present.
 - D. **Dhuha** - And He found you unaware and guided you.
62. According to surah Dhuha, Allah (s.w) found the prophet an orphan and gave him:-
- A. shelter
 - B. independence
 - C. wealth
 - D. parents.
63. The personality in the Quran, that is promised punishment in the hereafter by way of name mentioning is:-
- A. Abdallah bin Harith
 - B. Abdul Uzza
 - C. Abdula Aziza
 - D. Abdullah Salul.
64. Lail-tul-Qadar is an important night in the history of Islam **mainly** because in it:-
- A. Prophet Muhammed (p.b.u.h) went on a night journey to the seventh heaven
 - B. Taraweh was declared night vigil prayer for the first time
 - C. angel Jibril came down with a host of other angels
 - D. the holy Quran was revealed to prophet Muhammad (.b.u.h).
65. Adil forgetfully missed out performing iitidal after rukuu when he was performing salat-ul-ustwa. The **most** appropriate step to take is:-
- A. perform sidjat-ul-sahw and give salaam after the last rakaat
 - B. perform sijda-ul-tilawa two times then give salaam after the last rakaat
 - C. perform sijdat-ul-shukr and continue with slat to the end
 - D. start the whole prayer a fresh.
66. While iba'adah is whatever we do to please Allah (s.w) inequities are things that when done:-
- A. make a person more fulfilled in his life
 - B. you do not want people to get to know of them
 - C. leave one in unsure state of whether or not they were properly done
 - D. they do not meet the objectives.
67. Wealth, according to hadith of the prophet (p.b.u.h) whose zakat is **not** paid for will turn into _____ on Yaum-ul-Qiyama.
- A. a well of hot smelly pus.
 - B. ravenous scorpions
 - C. large snakes
 - D. poisonous fruits
68. Complete the hadith of the prophet (p.b.u.h) about eating, which is the **correct** clause?
- “start by Bismillah, eat using your right hand,.....”
- A. and eat while seated down
 - B. make sure the food is warm not hot
 - C. make sure you take small portions at a time
 - D. and eat what is in front of you.
69. It is **incorrect** to say that:-
- A. women in heidh can attend salat-ul-Idd proceedings
 - B. Friday prayer just like lunar eclipse has a sermon
 - C. salat-ul-Junaiza starts and ends on Islamic greeting phrase
 - D. Whatever nullifies dry ablution, nullifies wet ablution as well.
70. Which choices below **correctly** shows the position of the imam while offering Janaiza prayer to a mayyit laid before him?
- | | <i>Female</i> | <i>Male</i> |
|----|----------------------|--------------------|
| A. | Waist | Head |
| B. | Chest | Feet |
| C. | Waist | Chest |
| D. | Head | Waist |
71. The following are halaal practices in commerce. Which one among them is **not**?
- A. Credit
 - B. Hire purchase
 - C. Discount
 - D. Loaning.
72. Kalima is important in the life of a muslim because it:-
- A. differentiates a muslim from a non-muslim
 - B. is the last pillar of Islam
 - C. qualifies ones faith in Islam
 - D. declares prophet Muhammand. (p.b.u.h) a prophet of Allah (s.w)
73. Which one of the following is **correct** about Qiblah?
- A. The direction of Qiblah is the same for every muslim.
 - B. The first Qiblah for muslims was in Makkah.
 - C. There are no circumstances that might force a muslim to face another direction other than Qiblah while praying.
 - D. Facing Qiblah while praying is a fundamental.

74. There are _____ adhan called in a day.
A. four B. five
C. six D. seven
75. The following are pillars of Hajj-Akbar:
(i) *Assembling at Arafa.*
(ii) *Tawaf-ul-Quduuum.*
(iii) *Sa'ay.*
(iv) *Ramii.*
(v) *Collecting of pebbles at Muzdalifa.*
The **correct** order of these pillars is:-
A. (ii), (i), (iv), (iii), (v).
B. (ii), (iii), (i), (v), (iv).
C. (ii), (iii), (v), (i), (iv).
D. (ii), (v), (i), (iii), (v).
76. Which other attribute of Allah(s.w) terms Him , 'The creator' apart from Al-khaaliq?
A. Al-wahhab. B. Al-Muhaimin.
C. Al-Muhaimin. D. Al-Baari.
77. An unknown passive period between maut and baath is:-
A. Barzakh B. Hukmu
C. Mah-shar D. Qadar.
78. The following are angels of Allah (s.w). Who among them are yet to embark on their assignments?
A. Jibril, Mikail, Raqib.
B. Malik, Israfil, Hamalat-ul-Arsh.
C. Kiramman katibiin, Izrail, Ridhwan.
D. Alid, Jibril, Malik.
79. Quran-ul-karim is also not called:-
A. At-Ianzil B. Ar-Rahma
C. Al-kadhiiran D. Al-majid
80. Which one of the following is **not** a form of cleanliness?
A. Tarka. B. Wudhu.
C. Tayammum. D. Istinjai.
81. Aisha was given a mathematical set by her class teacher for doing well in Mathematics test. To show appreciation Aisha said:-
A. Alhamdulillah
B. Maashallah
C. Lahaula wala quwwata illabillah
D. Jazakallah.
82. Gambling is prohibited in Islam **mainly** because it:-
A. benefits the rich only
B. leads to corruption
C. is a form of theft of public wealth
D. leads to wastage of resources
83. Work is key in a muslim's life **mainly** because it:-
A. prevents begging
B. earns a muslim respect and honour
C. provides a source of livelihood to a muslim
D. enhances work skills.
84. While in Isra wal miraj journey angel Jibril was **not** allowed beyond:-
A. Sidrat-ul-munlaha
B. Bait-ul-Izza
C. Bait-ul-Maqdis
D. Lahaul-Mahfudh.
85. There would be no nikaah proceedings and walimah if:-
A. the walii refuses to give consent for marriage
B. the bride declines the offer of the bridegroom for marriage
C. the kadhi fails to preside over the nikaah
D. the nikaah rings and cake are not availed.
86. The following are months that Islam declared sacred **except**:-
A. Rajab B. Dhulhijjah
C. Muharram D. Ramadhan.
87. Before the battle of Uhud began, one terrible thing happened to the muslim army. The terrible occurrence was:-
A. desertion of hypocrites
B. disobedience of the archers
C. raiding by khalid bin waleed
D. death of Mus'aab bin Umeir.
88. Saida's mother died of HIV/AIDS. Saida has taken over care of the rest of family members. She is almost dropping out of school. The **best** advice for you to offer her is:-
A. get married so that her husband will join her in taking care of the family
B. encourage her to talk to the class teacher
C. request her whether you can join her to care for her family members
D. encourage her to go for VCT to ascertain whether or not she is HIV positive.
89. The following are agents that spread Islam along East African coast. Which one among them borders on political aspect?
A. Marriage.
B. Trade.
C. Establishment of city states.
D. Culture, architecture and way of life.
90. Yusuf's (a.s) brothers showed hypocrisy when they:-
A. sold him to an Egyptian trader potiphar
B. threw him in the well of death
C. took home Yusuf's shirt dotted with blood stains
D. failed to deliver to the agreements they had with Yaqub(a.s).