

NAME..... INDEX NO.....

SCHOOL..... CANDIDATES SIGN.....

DATE

101
ENGLISH
FORM 1
TIME: 2 HOURS

END OF TERM (III) EXAMINATION -2019
Kenya Certificate of Secondary Education (K.C.S.E)

101
ENGLISH
FORM 1
TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

- Write your name, admission number and name of your school in the spaces provided.
- Answer ALL questions in the spaces provided in the question paper.
- Write legibly and neatly.

QUESTION	MARKS	CANDIDATES SCORE
1	20	
2	10	
3	15	
4	15	
5	20	
TOTAL	80	

*This paper consists of 8 printed pages .
candidates should check the question to ensure that all pages are printed
as indicated and no questions are missing.*

COMPREHENSION

Read the following passage and then answer the questions that follow.

Physiotherapists can now review patients without having to see them, thanks to wearable technology in the form of smart socks. University of Melbourne PhD candidate Deepti Aggarwal first developed the socks to help patients who struggle to travel to appointments to conduct detailed consultations over the internet. Therapists are able to assess and treat patients via video consultations. This is because the socks are **embedded** with movement and pressure sensors which provide real-time feedback on the patient's weight distribution, range of movement during exercises like steps and jumps and foot orientation from the patient's lower limb movements.

The socks could come in handy for physiotherapists who need to closely observe subtle changes in a patient's movement, especially in the lower limbs. Such changes would otherwise be difficult to detect in video consultation. Patients, for example, those who live in rural areas or those who do not live in close proximity to the specialist or those who have difficulties moving, could greatly benefit from this. Smart sock technology could also come in handy for patients with foot injuries, elderly people and pregnant women who may not be able to travel regularly for face-to-face care.

The wearable technology was **tried** with three patients and a physiotherapist at the Royal Children's Hospital in Melbourne, from February to June 2017. Mark Bradford, the physiotherapist at the Royal Children's Hospital, noted that the smart socks provide information health workers might not get during basic video consultations. This is because video consultations only provide two—dimensional view of the patient. He added that the technology's visual depiction of movement and weight distribution helps patients monitor their progress and encourages them to continue with rehabilitation.

The technology, which is called 'SoPhy,' works in the following way; it consists of three sensors embedded in socks that patients wear while performing exercises and a web-interface that displays the captured data in real time for them. In the trial, involving patients with chronic pain, SoPhy was found to increase the physiotherapists' confidence in their assessments by providing information that was not visible in the video. The information also helped them correct their assessment when the visual cues were misleading, allowing them to adapt the exercises based on the patient's condition.

"SoPhy became a shared language to discuss the patient's recovery over time and to plan new therapy goals, and enhanced the doctor-patient communication," Mr Deepfti says. Seeing the

benefits of SoPhy, Mr Deepti says the physiotherapists were keen to use the system both for video and face-to-face consultations, and patients wanted to continue using SoPhy to practice exercises at home. However, Mr Deepti said that the innovation is a **complement** rather than a replacement for face-to-face consultations. The idea is to have a couple of face-to-face consultations and a couple of video reviews aided by the smart sock technology.

There are some **hindrances** to this new technology. The socks, which cost about sh30,000 to make, are not available for purchase. The cost is also high for most people. However, the innovator hopes that companies will come on board to develop smart socks for medical use and drive down the price.

COMPREHENSION (20MKS)

QUESTIONS

a) How do the wearable smart socks help physiotherapists? (1mk)

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b) Why did Deepti Aggarwal first develop the smart socks ? (2mks)

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c) What information do the smart socks provide? (3mks)

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d) Which health professionals would benefit from the use of the socks? (1mk)

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e) Name any three types of patients who could benefit from smart socks. (3mrks)

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f) What makes smart socks video consultations different from basic video consultations.

(2mks)

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g) Video consultations provide a two-dimensional view of the patient.

Begin: A two dimensional.....

(1mk)

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.....

h) How does SoPhy work?

(1mrk)

i) How did SoPhy increase the physiotherapists confidence in their assessment?

(2mks)

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j) According to the passage, what are the set books of smart socks?

(1mk)

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k) Give the meaning of the following words as used in the passage?

(3mrks)

i) embedded

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ii) Trialled

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iii) complement

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QUESTION 2 Cloze Text (10marks)

Read the following passage and fill in the blank spaces with the most appropriate words. (10mks)

2. Most people do not know(i) _____ to look for in a leader. Some base their choices(ii) _____ gender of the person, For others, what matters is where (iii) _____ comes from. Yet others consider how much money he or she has given them. This (iv) _____ unfortunate. Our choice should be determined by more worthwhile reasons. First, we must look for(v) _____ with vision. (vi) _____ people are always thinking of ways of improving the (vii) _____ of members of the society. People want people who(viii) _____ inspire them. To do this, these leaders must lead by example. Working hard and encouraging (ix) _____ to do so is (x) _____, very important.

QUESTION 3

Oral Skills (15 marks)

3. (a) Underline the silent letters in the following words ÷ (3mks)
- (i) Gnat
 - (ii) sword
 - (iii) Lesson
- (b) Provide another word that has the same pronunciation as each of the following words. (3mks)
- (i) berry
 - (ii) ewe
 - (iii) right
- (c) Construct two sentences to bring out two different meanings using the words below. (4mks)
- (i) Left
.....
.....
 - (ii) Row
.....
.....
- (d) Identify the odd one out considering the underlined sound. (2mks)
- (i) chef, chief sachet
 - (ii) pornography photography shepherd
- (e) You attend a talk on peer pressure organized by the school. The speaker is audible and interesting, but you find it difficult to concentrate fully. What factors could have led to your inattention. (3mks)

QUESTION 4

Read the poem below and answer the questions that follow. (15mrks)

4. Oh! Fathers of Africa,
And mothers of Africa,
Don't you know?
That a right to life we have?
That a right to shelter we have?
For a fact, that a right to education we have?
That you should protect us?
That you should clothe us?
That the fact, that you should feed us well?
And when these you fulfil,
We'll grow to be strong in body and mind.
To serve you and the nation.

Questions

a) Who is the persona in the poem? (2mrks)

b) What is the poem about? (3mrks)

c) Identify three styles evident in the poem (6mks)

c) What is the feeling of the persona in the poem? (2mks)

d) What is the tone of the poem? (2mks)

GRAMMAR (20mks)

5. a) Use the correct form of the word in brackets to fill in the gaps. (3mks)

i) Last night, the farmer _____ the napier grass into bundles ready for selling. (bind)

(ii) The young boy proved _____ so the mother did not give him all the money. (responsible)

(iii) The speaker was quite _____, He did not say much at the end of his speech. (repeat)

b) Fill in the blanks using the appropriate article. (4mks)

John Paul Mwirigi is _____ youngest politician in Kenya. He was elected member of parliament for Igembe South constituency in 2017 at _____ age of 23. He was _____ orphan who went to _____ day school through well-wishers intervention.

c) Re write the following sentences changing the underlined nouns into plural form. (3mks)

(i) The truck carried equipment to the factory

(ii) The school requires a new student to make a new diagnosis.

(ii) The **quiz** will be given immediately after the assembly.

d) Join the pairs of sentences using the appropriate conjunctions. Avoid unnecessary repetition. (2mks)

- i) The car was serviced
The car broke down

- ii) You can travel to Tanzania by air
You can travel to Tanzania by road

e) Use the most suitable preposition to fill the blank space (2mks)

- i) We drove to the cinema _____ a taxi
ii) What time did you arrive _____ school?

f) Re-write the sentences below into the direct speech (2mks)

- i) The teacher pleaded with the sick girl to take tea.

- ii) The manager yelled at the lazy worker to finish up the work.

g) Punctuate the following sentences (2mks)

- i) Are you attending the seminar

- ii) What a terrible feeling

h) Explain the meaning of the following idiomatic expression

- i) kill two birds with one stone

- ii) Takes two to tango