

K.C.S.E 2009 ENGLISH PAPER 101/2

1. Read the passage below and then answer the questions that follow.

In the eighteenth century, the field of science was virtually closed to women. In France, the countess wrote a highly regarded book about Newtonian physics, but its very excellence spoke against her. The manuscript was so good that it was widely assumed that it had been written by the countess's tutor rather than by the countess herself. Sadly enough, the tutor Samuel, Konig, did nothing to discourage the rumours about the book's authorship. Instead, he took full credit for the countess's efforts. In England, the leading nation in science, the situation was worse. Women were strictly prohibited from admission to scientific societies. Indeed, the English denied women access to all forms of scientific study.

Italy, however, was something of an exception to the general European rule, and a number of provincial scientific societies did admit women. It is perhaps not surprising, then, that the one woman who crashed the barriers erected against her gender was an Italian, Laura Bassi (1711-1778). Bassi actually became a respected scientific figure at a time when women generally thought to be too intellectually limited for the rigors of scientific study. By all accounts, she thoroughly disproved the sexist notion that women and the sciences were opposed to one another.

Bassi was one of the lucky women of her era. Her father was enlightened lawyer in Bologna, Italy, who believed that women should be educated. Thus, young Laura was schooled by the family physician, Gaetano Tacconi. By the age of twenty she was familiar with the scientific concepts of the times, particularly Newtonian physics. Because her father encouraged her to display her **erudition** at social gatherings, Bassi's reputation as a learned woman grew. Tested by a group of professors and scholars anxious to prove that a woman could not possibly be so clever, Bassi astonished the sceptics with her intelligence, learning, and eloquence. Local scholars were so impressed that in 1731 they invited her to join the Bologna Institute of Sciences and to study for a degree at the University of Bologna. On May 12, 1732, Bassi became only the second woman ever to gain an academic degree. A few months later, she became the world's first female professor.

But despite her breakthrough, those in charge of the university of Bologna had very rigid ideas about what Bassi could or could not do as a professor. For example, she had no say over her schedule. To the University's leaders, she was an intriguing oddity. They might trot her out for display to curious visiting scholars, but they would not let her lecture on a regular basis. Nor, for that matter, could she pursue her own studies or research. Still, Bassi was not an easy woman to control, and **to a degree**, she managed to go her own way.

In 1749, to escape university restrictions, Bassi began offering private lessons in experimental physics. She also began championing Newtonian physics at a time when it was relatively unknown in Italy, and she promoted Newton's findings about gravity even in the face of widespread intellectual resistance. In addition, Bassi corresponded with the leading physicists of the day. Thus, she kept her country abreast of new scientific theories.

In 1776, when Bassi was sixty-five, the university acknowledged her contributions to scientific thought by bestowing upon her an unheard of honour for a woman: She was appointed chair of experimental physics, and her husband, the father of her eight children, was appointed her assistant.

Contrary to expectation, Bassi's achievements did not pave the way for other women. This is because many of her male colleagues had been disturbed by her extraordinary progress and were reluctant to let any other female follow in her footsteps. After Bassi's death in 1778, it took more than a century, and the arrival of Marie Curie, for another woman to **find herself at home** in the male-dominated world of science.

(Adapted from *Reading for Results* by Laraine Fleming (2008) New York: Houghton Mifflin

(a) Why was it widely assumed that the countess's tutor had written the book on Newtonian physics? (2 marks)

(b) In what way was France better than England in the treatment of women interested in sciences? (3 marks)

(c) Rewrite the following sentence using the word "surprisingly". (1 mark)

It's perhaps not surprising, then, that the one woman who crashed the barriers erected against her gender was an Italian, Laura Bassi.

(d) According to the passage, what was a professor expected to do? (3 marks)

(e) For what selfish purpose did the university of Bologna use Bassi? (2 marks)

(f) What evidence is given to show that Bassi was difficult to control? (3 marks)

(g) Why do you think the author mentions the fact that Bassi had eight children? (2 marks)

(h) Explain the meaning of the following expression as used in the passage. (3 marks)

erudition -

to a degree -

find herself at home -

2. Read the excerpt below and then answer the questions that follow:

DR. STOCKMANN: No, no; but I am impatient, as you can understand. I shall not know a moment's peace of mind until I see it in print.

HOVSTAD: Hm! - It will take a good while yet. Won't it, Aslaksen?

ASLAKSEN: Yes, I am afraid it will.

DR. STOCKMANN: All right, my dear fellows; I will come back. I do not mind coming back twice if necessary. A matter of such great importance - the welfare of the town at stake - it is no time to shirk trouble. (*About to go, but stops and comes back.*) Look here - there is one more thing I want to talk to you about.

HOVSTAD: Excuse me, but could it not wait till some other time?

DR. STOCKMANN: I can tell you in half a dozen words. It is only this. When people read my article tomorrow and realise that I have been quietly working the whole winter for the welfare of the town...

HOVSTAD: Yes, but Doctor ...

DR. STOCKMANN: I know what you are going to say. You don't see how on earth it was any more than my duty - my simple duty as a citizen. Of course it wasn't; I know that as well as you do. But my fellow citizens, you know ...! Good Lord, think of all the good souls who think so highly of me...!

ASLAKSEN: Yes, our townsfolk have had a very high opinion of you up to now Doctor.

DR. STOCKMANN: Yes, and that is just why I am afraid they ... Well, this is the point; when this reaches them, especially the poorer classes, they take it like a summons to take the town's affairs into their own hands for the future ...

HOVSTAD
(*getting up*): Hm! Doctor, I won't conceal from you the fact ...

DR. STOCKMANN: Ah I - I knew there was something in the wind! But I won't hear a word of it. If anything of that sort is being organized ...

HOVSTAD: Of what sort?

DR. STOCKMANN: Well, whatever it is - whether it is a demonstration in my honour, or a banquet, or a subscription list for some presentation to me - whatever it is, you must promise me solemnly and faithfully to put a stop to it. You too, Mr. Aslaksen: do you understand?

HOVSTAD: Excuse me, Doctor, but sooner or later you've got to hear the plain truth.

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- (a) Where is this dialogue taking place? (2 marks)
- (b) What is it that Dr. Stockmann wants to see in print? And what are its contents? (3 marks)
- (c) How are Hovstad's and Aslaksen's job related to Dr. Stockmann's concerns? (2 marks)
- (d) What new information to Hovstad and Aslaksen have that has changed their attitude towards Dr. Stockmann? (4 marks)
- (e) What does this dialogue reveal about the character of Dr. Stockmann? (5 marks)
- (f) Dr. Stockmann's last speech in this excerpt proves ironic in the light of what happens later in the play. Explain the irony. (4 marks)
- (g) What "plain truth" is Hovstad referring to? (2 marks)
- (h) Hovstad's last speech in this excerpt is interrupted. State who interrupts him and why. (3 marks)

3. Read the story below and then answer the questions that follow.

Hare, the cleverest and funniest of animals, was once on good terms with Elephant and Hippo. He knew very well that he was weaker than his mighty friends, yet oddly enough he was always seeking ways of showing that he was, in fact, much stronger than they.

While drinking at the lakeshore one day, he met Hippo, "How are you, brother, you big-for-nothing brute?" He began. "I've been waiting a long time to prove how much stronger than you I am. It's time you recognised your betters and gave me the respect I deserve."

"What!" Hippo retorted, unable to believe his ears, "do you really dare to address me like that, you worthless little creature? Have you forgotten I'm the biggest and strongest of all the water creatures?"

Hare's reply and deliciously cool. "You may well be," he said. "But I'm strongest of all animals, wherever they live; and from now on be sure you remember it. If you want to see how weak you are, let's meet here in three days' time and try a little tug-of-war. I promise you I'll haul you clean out of the lake into the forest." Such **imprudence** infuriated Hippo.

“Stop this idle prattle!” He retorted. “Go home and eat for a few years. You’ll need to before you start dreaming of pulling me from the lake.”

And so they parted. Now as it happened, Hare, as yet, had no idea how he could outwit Hippo. He spent the remainder of the day deep in thought. By late afternoon the rather obvious idea of tying one end of a rope to a tree trunk was **taking root** in his mind when suddenly his friend Elephant appeared. His mind raced like the wind. “Hello, you long-eared oaf!” He shouted. “Why on earth do you keep swinging your snout like that?”

Elephant was not amused. He replied in rather hurt tones. “What’s wrong with you today, Hare?” He asked. “Have you taken leave of your senses? You sound like someone who’s never slept a night in his grandfather’s house. Have you forgotten how to respect your elders?”

Hare pretended that he had. “Stump-footed fool!” He roared. “Don’t talk such nonsense. It’s you who should recognise your betters and one day I’ll teach you how.”

Elephant was growing weary. “Look, I’m busy today,” he said “run along and find a child to play with - someone like yourself.”

Hare now pushed out his tiny chest, quite swollen with self-confidence. “All right,” he shouted, “I’ll offer you a challenge. Come here in three days and I’ll prove I’m stronger than you by dragging that great carcass of yours out of the forest and into the lake.” And without more ado, he turned on his heels and bounced off into the forest.

Three days later, hare took the longest rope he could find and ran to the shore to find Hippo. He gave his friend one end, saying, “Here, catch this and hold tight. Do nothing until you hear a horn blowing” then pull as hard as you can.” Taking the rope, Hippo sank back complacently into the water, his big eyes twinkling merrily on the surface of the lake. The rope’s other end Hare carried to Elephant who, reliable and punctual as ever, was waiting in the forest. Raising his voice to his huge friend, hare shouted, “Hold this and stay put. Don’t pull until you hear a horn blowing. Now I’m off to drag you into the lake.”

And away he sped, hiding himself in a clump of bushes where he enjoyed a clear view of both animals. In the forest, Elephant waited patiently; in the lake Hippo smiled to himself, convinced in his heart that it was all just a bad joke. Hare now blew his horn, and with a crashing of trees and a wild cascading of water, the colossal beasts began their tug-of-war. Hour upon hour the struggle went on, forest and shore echoing to the noise of their furious grunting and trumpeting. At last, seeing his friends reduced to complete exhaustion, Hare again blew the horn and told them to stop.

Then quickly rolling in the dust, he ran down to the shore and addressed himself to Hippo. “Brother,” he began, “I hope you now realise your mistake. You see, I’m not only clever but remarkably strong as well. From now on perhaps you’ll respect me.” They shook hands and parted, Hare leaving his friend to go to Elephant. “Well, you wouldn’t believe me,” he said, speaking boldly to Elephant, “Now you’ve learnt your lesson. You may be as big as a mountain, but basically you’re weakling.” Puzzled and dumfounded, Elephant shook his head, and after reluctantly shaking hands, **lumbered** away into the forest.

(From *Keep my Words* by Onyango-Ogutu and A.A. Roscoe) EAEP Ltd.

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- (a) From the first paragraph how can we tell that Hare was not contented with his state. (2 marks)
- (b) Why is it ironical that Hare is asking to be respected? (2 marks)
- (c) From the information in paragraph 5, Explain what Hippo's attitude towards Hare is. (3 marks)
- (d) Rewrite the following sentence in your own words:
"Now as it happened, Hare, as yet, had no idea how he could outwit Hippo" (1 mark)
- (e) In about forty words, summarize Elephant's feelings about Hare. (6 marks)
- (f) Both Hippo and Elephant do what Hare says. What does this prove? (3 marks)
- (g) Explain the meaning of the following expressions as they are used in the story:
- (i) imprudence (1 mark)
- (ii) taking root (1 mark)
- (iii) lumbered (1 mark)

4. (a) Identify, underline and correct the four words that have been misspelt in the paragraph below. (4 marks)

We didn't give him the privilege of representing us on the District Environmental Committee because he has a tendency of disagreeing with everyone. He embarasses himself by pretending to be so knowledgable.

(b) Rewrite the following sentences as instructed. (3 marks)

(i) She realised that she had made such a serious blunder.

(Rewrite using "what")

.....

(ii) Just in case you change your mind, call this number.

(Begin: Should ...)

.....

(iii) I don't know either of them.

(End... to me)

.....

(c) Fill in the blank spaces with the correct preposition. (4 marks)

(i) Nyawira, get the wet wall immediately!

(ii) My sisters and I will share this piece of land ourselves.

(iii) We wondered if there was need such equipment.

(iv) Mwela dipped the bucket the well.

(d) Use the correct form of the nouns given in brackets. (5 marks)

(i) These (student) phones were confiscated.

(ii) There are many (hero) who fought for our independence.

(iii) How many (editor-in-chief) were invited?

(iv) This must be your (father-in-law) car.