

UNIVERSITY OF SWAZILAND
PART-TIME CERTIFICATE IN ADULT EDUCATION YEAR I
FINAL EXAMINATION PAPER, DECEMBER 2011

TITLE OF PAPER : PROFESSIONAL ENGLISH

COURSE CODE : CAE117

TIME ALLOWED : THREE (3) HOURS

INSTRUCTIONS : ANSWER ALL QUESTIONS.

DO NOT OPEN THIS PAPER UNTIL THE INVIGILATOR HAS GRANTED PERMISSION.

SECTION A

Answer all Questions in this Section.

QUESTION 1

Read the following passage and answer the questions.

Space-Age Medicine

The whole field of medicine has benefited from the studies aerospace doctors have made of animals and men in flight and after flight.

From studying cell fluid exchange and replacement they learned more about how body cells reproduce. And this led to better knowledge of cancer – a disease in which normal
5 - cells suddenly multiply at a faster than usual rate, producing new cells without the full functions of the normal ones.

Doctors already know that when animals or people receive too much radiation, abnormal young may be born. In their studies to protect the astronaut from radiation, the doctors are gaining insight into all abnormalities in new-born babies, and how they occur. In
10 - time their research may help to uncover ways of preventing abnormalities in the new-born.

They found that the conditions of zero gravity affect the tissues and, because of that, the blood vessels and the heart. These studies gave them new insight into the workings of the heart. Since heart disease kills so many people on our earth, this is important
15 - knowledge.

Weightlessness also affects the bones. It decalcifies them to some extent. This knowledge has aided the doctors in understanding diseases in which too much calcium collects in bones and muscles. All these things and more are being considered by space doctors in relation to ordinary medical practice for people who stay earth-bound.

20-Among present plans for the future is a remarkable one – a space hospital. It will be many years before we have the know-how and before we are able to produce powerful enough rockets, to shoot all the needed material into space and to assemble it there. But certainly when you consider how far man has gone in only a few years in the conquering of space, it is a possibility for the not too distant future. Actually, even today, the plans 25-for it are past the drawing-board stage. Doctors and engineers, working together, have produced one in the form of a small scale model.

Such a hospital would have a number of uses. It would house, for a while, the men returning from the moon or from far-out planets. Having lived long under lack of gravity, they would have to be reconditioned before returning to the surface of the earth – 30-and this hospital would be the place for that .

Other people too – people who have certain kinds of diseases – would be brought up here. Among these would be men and women who have overcalcification of the bones, which makes them too brittle and too easily breakable; and those who have arthritis, a very painful and sometimes fatal disease, in which the muscles and tendons calcify. Such 35-patients would be in beds and wards. The low-gravity forces would be used to treat them since lack of gravity will decalcify. Everything planned in space medicine is the result of the many interested, deeply concerned people of aerospace projects working together. Whatever is discovered today will be improved in the years to come.

This is true too of all the other kinds of medical studies. On earth and in the air the 40-search goes on for ways of curing and preventing diseases and meeting new challenges of health and safety.

A. MEANING IN CONTEXT

1. Give the meaning of each word or phrase as it is used in the passage.

- a) aerospace (l. 1)
- b) insight (l. 9)
- c) abnormalities (l. 9)
- d) uncover ways (l. 10)
- e) decalcifies (l. 16)
- f) earth-bound (l. 19)
- g) know-how (l. 21)
- h) drawing-board stage (l. 25)
- i) reconditioned (l. 29)
- j) brittle(l. 33)

(10)

B. IN EACH CASE CHOOSE THE BEST ANSWER

1. "this" in line 4 refers to

- A the studies made of animals and men in flight.
- B the study of cell fluid exchange and replacement.
- C better knowledge about how body cells reproduce.
- D better knowledge of blood cell reproduction.

2. Which of these statements is false?

- A Animals which are exposed to too much radiation will all produce abnormal young.
- B Animals which are not exposed to excessive radiation are less likely to bear abnormal young.
- C Aerospace doctors are learning more and more about abnormalities in new-born babies.
- D It is possible that doctors will one day be able to prevent abnormalities in new-born babies.

3. A knowledge of the effects of zero gravity helps in the treatment of

- A heart disease.
- B overcalcification of the bones.
- C arthritis.
- D all the above.

- 4. Plans for a space hospital
 - A are not practicable.
 - B may be realized in the near future.
 - C are still in the drawing-board stage.
 - D have been shelved.

- 5. Which statement about aerospace doctors is true?
 - A They have studied only men in flight.
 - B Their findings in space medicine have no application in other areas of medicine.
 - C Their research benefits not only astronauts but also other people.
 - D They cannot improve on the discoveries they have made.

- 6. We can infer from the passage that discoveries in space medicine.
 - A were the result of the work of space doctors alone.
 - B were possible because of the co-operation of space scientists.
 - C were made by physicists and engineers.
 - D are the answer to the treatment of all diseases. (6)

C. ANSWER THESE QUESTIONS IN YOUR OWN WORDS.

- 1. Name two ways in which the field of medicine has benefited from the studies aerospace doctors have made of man who have made space flights. (2)
- 2. What is cancer? (1)
- 3. What are the effects of weightlessness on the human body? (2)
- 4. Before a space hospital can be established, what problems must first be overcome? (4)
- 5. How would the space hospital benefit us? (5)

TOTAL: 30

SECTION B

Answer ALL Questions.

QUESTION 2

- A. Explain the differences in the use of the underlined words in each pair of sentences.
 - e.g. (i) He has accomplished the task he set out to do
(has done it successfully)

(ii) She is an accomplished stage performer.
(well skilled)

1. (a) The family is skilled in the craft of making clay ornaments.
(b) The craft is in the middle of the ocean.
2. (a) That lovely girl is her mother's pride and joy.
(b) The adventurer caught a pride of lions on camera.
3. (a) A revolution of the giant wheel takes two minutes.
(b) The leader of the revolution was a man of strong convictions.
4. (a) The salesman took my father on a trial run of the car he wanted to buy.
(b) The film had a run of four months without a break.
5. (a) His first love is the stage yet he proves more successful as a film star.
(b) The baby has not reached the stage when he can talk.
6. (a) The new committee will hold its first meeting the following week.
(b) The nail will not be able to hold the weight of the mirror.
7. (a) The ship was docked for repairs after it developed a leak.
(b) The workmen's wages were docked when they went on strike.
8. (a) He hung his late mother's picture where he could see it whenever he walked into the room.
(b) It was difficult for me to picture how she must have looked in her wedding gown.
9. (a) The search party found his dead body at the mouth of the river.
(b) The boxer had a cut near the mouth after his opponent punched him several times.
10. (a) We were asked to observe a moment of silence in honour of our deceased colleague.
(b) I observe a change in your behaviour lately. (20)

B. Fill in the blank in each sentence with the correct word. Write only the word.

(a) I should not be held for something I did not do.

- | | | | | | |
|---|------------|---|----------------|---|---------|
| A | responsive | B | responsible | C | respond |
| D | response | E | responsibility | | |

- (b) He listens to the teacher and jots down the important points.
- A attend B attentive C attention
D attentively E attendance
- (c) He did not eat the food cooked by the maid because it was
- A taste B tasty C tastily
D tasteless E tastefully
- (d) As I walked into the office, the clerk looked up and then continued with what he was doing.
- A moment B monetary C momentarily
D momentarily E momentously
- (e) He has his pen and is buying another.
- A lose B lost C losing D loser
E loss
- (f) Jane isthe baby's dinner in the kitchen.
- A prepare B prepared C preparing
D preparation E preparatory
- (g) The dog barks fiercely at thewho passes by the house.
- A strange B strangers C stranger
D strangely E strangeness
- (h) The senior officer the purchase of five electric kettles last week.
- A approves B approval C approving
D approvingly E approved
- (i) The is verbose and pompous in style.
- A write B wrote C writer
D writing E written
- (j) The exercises in the book are arranged in of difficulty.
- A ordering B orderliness C orderly
D order E orders

(10)

- C. State clearly why we say "writing is like holding a conversation on paper". (5)

QUESTION 3

- A) State five ways in which written communication differs from oral communication. (10)
- B) Give the verb form of each word in the list.

- i) wonderful
- ii) coloration
- iii) resident
- iv) offensive
- v) reproductive
- vi) resemblance
- vii) protective
- viii) imitation
- ix) appearance
- x) mimicry
- xi) economy
- xii) prosperity
- xiii) propulsion
- xiv) expulsion
- xv) significance

(15)

- C) Form a noun with each word (noun) listed below. Make sure the new noun refers to a person.

- e.g. (i) farm (noun) – farmer (noun)
 (ii) butchery (noun) – butcher (noun)

- i) engine
- ii) research
- iii) cooker
- iv) adventure
- v) tour
- vi) value
- vii) print
- viii) paint
- ix) promotion
- x) cycle

(10)