UNEB UACE GENERAL PAPER 2017

SECTION A

Answer one question from this section

Answer should be between 500 and 800 words in length.

1. To what extent have economic factors contributed to the problem of brain drain in your country?

2. Explain the challenges faced by Uganda's education system and suggest possible solutions to these

challenges

3. Assess the impact of decentralization on the development of Uganda.

4. 'Human beings have been primarily responsible for the destruction of the natural environment in Uganda.' Discuss.

SECTION B

Answer one question from this section.

5. Study the information provided in the table below and answer the questions that follows:

There are four families in the village of Zubanda: F1,F2, F3 and F4. Three of the families belong to different clans. F1 and F4 belong to the same clan. Each family has two children of about the same age group. The children's orders of birth and sex classification are as follows:

FAMILY	IDENTITY OF CHILD	ORDER OF BIRTH	SEX CLASSIFICATION
F1	A B	1st 2nd	Male Female
F2	C D	1st 2nd	Female Female
F3	E F	1st 2nd	Male Male
F4	G H	1st 2nd	Female Male

In twenty years' time the children have grown up and are about to get married. The cultural norms in Zubanda are such that:

i. marriages among children from the same clan are not permitted
ii. marriage between children of the same family is a taboo
iii. polygamous marriages are not allowed
iv. no males/females from one family are allowed to marry from the same family.
v. homosexuality is strictly forbidden.

On the wedding occasion organized for all the children of the families, two seater sofas were reserved for each family and the likely number of young married couples in that family. It is known that the first born of **F1**, both males of **F3** and the male **F4** are smokers.

Questions:

a. Determine the possible number of choices that can take place between the children of the four families.
b. i) State the likely number of choices each child can make for a partner.

ii) Giving reasonsfor your answer, identify the children and families that have the:

- highest,

- least

number of choices of partners to make.

c. Calculate the maximum number of seats that should be reserved for the four families and their likely number of couples.

d. If the habit of smoking is considered such that no two smokers can get married, identify the children who will be:

i) most

ii) least

iii) disadvantaged in choosing partners.

6. Read the passage below and answer the questions that follow.

My private feelings towards the bee are a mixture of contempt and feat. People have died from bee stings before now, and to a hasty temper and the habit of carrying poisoned weapons, the bee adds a combination of miserliness and black-legging which is plainly immoral in the extreme. Without fee or 5 reward it – or must one say she? – is alleged to pile up wealth for its employer in a manner plainly subversive to trade union principles, and its warmest admirers confess that is shortens its life by almost a third through persistent overwork.

There is no sense of proportion about a bee. I suppose the idiot 10 has never learned that other people will gather its honey, and believes that it is laying up stores for the hive alone. But when it has accumulated investments sufficient for twenty generations of bees to live upon without doing another stroke of work, it goes on collecting honey and manufacturing wax as 15 though starvation were staring it in the face.

Consider further the matrimonial customs of these fraudulent insects. The main population of the hive is composed of unhappy spinsters whose natural destiny has been deliberately thwarted by their nurses and who can never reproduce and is 20 not allowed to do anything else, except to slaughter possible rivals in the business. For her is reserved a peculiarly horrible form of death, that of suffocation.

When the nuptial flight takes place she is followed by scores of drones, no doubt thinking it a splendid challenge. It is a 25 tremendous business, in which every drone strives to outstrip every other, and in which drones from other hives, though it is no affair of theirs, have no more sense than to join. What do you suppose awaits the victor in this contest of lunatics? Why, to be slaughtered in mid-air by his abominable spouse? 30

What prompts the drone, who is otherwise by far the most intelligent creature in the community, and who does seem to have some rational notion f the meaning of life, to enter for this mad race, in which the prize is death. I cannot imagine. Despite his magnanimous resolve to do nothing useful, but to 35

live like a gentleman upon other people's earnings, he must at bottom be nearly as big a fool as his sister who might live to be eighty days old, but who almost always dies at sixty from over-work.

People make a great fuss over the bee because it is supposed to 40 have solved some intricate mathematical problem in the construction of its cell. Some mathematician, d'Alembert, I think, with nothing better to do , spent laborious hours over the bee's cell, and showed that on mathematical principles it was very nearly right. Then somebody else came along to prove 45 that the bee was quite right, and from that day to this bee-lovers have never ceased from jubilating over the insect's vindication.

But is it anything to make a song and dance about? At what period bees were converted to socialism and went into hives, 50 nobody knows, but it must have been a good many thousand years ago. In all that time the bee could not help hitting on the right shape by accident, and I don't believe mathematics had anything to do with it.

There are bees that one can respect, but they are not the sort 55 that live in hives and pile up treasure for other people. Bumble-bees, nice fat, blundering, good-tempered bumble-bees, appeal to me. They know a thing or two. Just examine the flowers of the snapdragon, with their lips so delicately adjusted that nothing of the insect sort except the bumble-bee 60 will pull them down. It is odds that you will find a tiny hole at the base of some of the flowers. That is where some bumble-bee, who did not see why he should work for the snapdragon as well as himself, has bitten through to get at the nectar, and has dodged all the careful devices to make him dust himself 65 with pollen in the process. You may call it cheating. I do myself. But you cannot deny that it shows enterprise; also, since the tick has been learned in the last few years' progressive intelligence. A honey bee would never thing of a thing like that. 70

Until recently, my wife and I never had any need to keep. A neighbor kept all that our garden really needed. But then came a day when these noxious insects took sudden offence at his wife, enveloped her in an angry cloud and stung her with such energy and unanimity that the poor lady went black all over. 75 Our neighbor, not unnaturally, gave his bees the sack-or rather the sulphur-and we, finding we could get no fruit, was obliged to get our own bees.

Questions:

a) Suggest an appropriate title for this passage.

b) Why does the author consider bees to be plainly subversive to trade union principles?

c) In not more than 100 words, describe the author's views about the different types of bees.

d) Explain the meaning of the following words and phrases as used in the passage, using your own words wherever possible.

i. …contempt… Line 1
ii. …black –legging… Line 4
iii. …natural destiny… Line 18
iv. …nuptial flight… Line 24
v. contest of lunatics… Line 29
vi. …magnanimous resolve… Line 35
vii. …fuss over… Line 40
viii. …intricate… Line 41
ix. …progressive intelligence…Line 69
x. …unanimity… Line 75

END