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BNS-104

**POST BASIC BACHELOR OF SCIENCE
(NURSING) [B. SC. (N) (PB)]**

Term-End Examination

June, 2020

BNS-104 : COMMUNICATIVE ENGLISH

Time : 3 Hours

Maximum Marks : 70

Note : (i) This question paper has seven questions.

(ii) All questions are compulsory.

Part—A

1. Read the passage given below and answer the questions that follow :

It was not until the 1860s that anyone actually experimented with the mechanism of inheritance. It was only then that precise observations were made, recorded and carefully analysed. The man who did this was an

P. T. O.

Augustinian monk named Gregor Mendel who, in an Austrian monastery, indulged in his hobby of botany. He grew pea plants of different varieties, crossed them carefully, and noted the manner in which different characteristics of colouring, of seed appearance, and of length of stem were developed. Out of this experimentation came certain simple conclusions that are now called 'The Mendelian laws of inheritance'. These laws, it turned out, applied with equal vigour not only to peas, but to all creatures, to fruit flies, to mice, and to men.

When these laws were applied to human inheritance, it was deduced that both parents, male and female, contributed equally to the inheritance of the child. For each physical characteristic, each parent contributed, (under the simplest circumstances) one factor. The two factors that thus governed a particular

characteristic might not be quite alike. For instance, one parent might contribute an eye-colour factor that produced blue eyes, while the other might contribute a brown-eyes factor.

In combination, one factor might outweigh the other. For example, a person who has inherited a factor for brown eyes and one for blue eyes would be brown-eyed. However, the factor for blue eyes would persist and, in combination with another such factor, might produce a blue-eyed child in the next generation.

In the early twentieth century, these factors came to be called genes, from a Greek word meaning 'to give birth to', and the science dealing with the manner in which these genes are inherited, and in which the characteristics that they determine are displayed, was named genetics.

In working with pea plants, Mendel was fortunate to have dealt with a simple organism, the breeding of which he could control. The various characteristics he studied were each determined by the single gene pair, and so he obtained useful results. In the more complex organism, characteristics are likely to be the product of a number of genes working in cooperation. Furthermore, such genes may produce characteristics that are themselves affected by environmental conditions. It then becomes difficult to disentangle the threads of inheritance.

Questions :

- (a) What is the difference implied between studying the genetics of peas and those of human beings ? 2
- (b) What was Mendel's purpose in cross-breeding pea plants ? 2

- (c) What two facts about genetics are illustrated by the eye-colour example ? 2
- (d) What aspect of genetics does this passage concentrate on (i) Theory, (ii) History, (iii) Practical experiments ? Discuss, giving evidence. 3
- (e) Give a suitable title of the passage. 1
2. (a) Fill in the blanks with the correct article (a, an, the) : 1 each
- (i) A burnt child dreads fire.
- (ii) stitch in time saves nine.
- (iii) apple day keeps doctor away.
- (b) Fill in the blanks with the correct determiners (some, any, an, another, this) : 1 each
- (i) people don't listen to advice.

- (ii) Has one seen my pen ?
- (iii) I don't like living in city.
- (iv) "This is indeed honour," he said.
- (v) He who fights and runs away, will live to fight day.

3. (a) Fill in the blanks with the correct preposition : 1 each

- (i) Think you speak.
- (ii) He kept his feet the table very rudely.
- (iii) He went of the house.
- (iv) She was her friend when the accident took place.
- (v) The cat sat the mat.

(b) Change into the active/passive voice :

1 each

- (i) He ate the apple.
- (ii) The coat was worn by him.

- (iii) We were woken by the birds.
- (iv) I was stopped by the policeman.
- (v) She took the money away.

4. (a) Fill in the blanks with the correct form of the verbs : 1 each

(i) He has been (sleep) for five hours.

(ii) He (has) topped the class.

(iii) The sun (rise) in the east.

(iv) I yesterday (come).

(v) He (go) already.

(b) Make questions for the following answers :

1 each

(i) Yes, I am fine.

(ii) I am feeling better.

(iii) I have seen the film.

(iv) It is hot today.

(v) The rain has stopped.

5. Write a formal letter applying for the post of staff nurse to a big hospital. 10
6. Write *ten* questions and their answers between a doctor on his rounds and the nurse going off duty. 10
7. Prepare a short note on the improvements needed to make your hospital more patient friendly. 10