Practice Question Set For GCSE
Subject : Biology
Paper-1 Topic: B1 Cell Biology

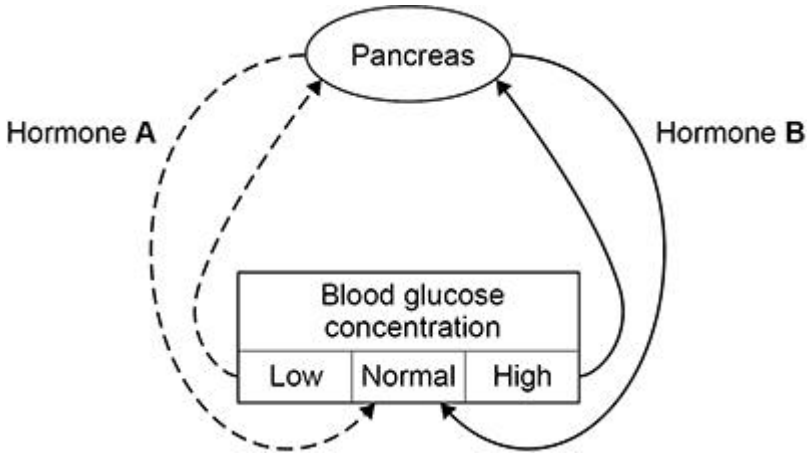
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Name of the Student:_____
Max. Marks : 18 Marks **Time : 18 Minutes**

Q1.

Blood glucose concentration in the human body needs to be kept within the normal range.

The figure below shows that two hormones control blood glucose concentration.



(a) Name the type of hormonal control shown in the figure above.

_____

(1)

(b) Name hormones **A** and **B** in the figure above.

A _____

B _____

(1)

(c) Explain how the two hormones in the figure above keep the blood glucose concentration within the normal range for 3 hours after a meal.

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(6)

Female reproductive hormones are used to treat infertility in women.

(d) Follicle Stimulating Hormone (FSH) and then Luteinising Hormone (LH) can be injected into a woman to help her become pregnant by sexual intercourse.

Explain how injecting FSH and then LH will help a woman to become pregnant.

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(3)

(e) In some women the injections of FSH and LH are the first steps for In Vitro Fertilisation (IVF).

Describe the remaining steps in IVF.

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(4)

(f) There are two different processes of cell division in humans.

Describe **three** differences between cell division to form sperm cells compared with cell division to form liver cells.

1 _____

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2 _____

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3 _____

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(3)

(Total 18 marks)

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