

Class XI
DESIGN OF QUESTION PAPER

BIOLOGY

Case base Question:

- Q1. Endocrine glands control and co-ordinate the body functions by secreting certain chemical messengers known as hormones. But, due to certain physiological reasons or disorders the blood glucose level of some persons increases leading to diabetes.
- (a) Why is the blood glucose level of some persons increase? 1
(b) How can this condition be reversed? 2
- Q2. While playing football, Tomba suddenly fainted. When doctor examined his blood pressure it was around 180/100 mm of Hg. Which is very high from the normal 120/180 mm of Hg. The doctor concluded he has high blood pressure.
- (a) Why are people with high blood pressure at greater risk for having haemorrhagic stroke? 1
(b) Explain the conditions one might expect if the blood pressure is not controlled. 2

Assertion Reason Questions:

1. In the following questions no..... to..... the Assertion (A) and Reason (R) have been put forward. Read both the statements and choose the correct option from the following:
Assertion: Blood plasma is pale red in colour.
Reason: Blood plasma is pale red in colour due to the presence of hemoglobin.
- (A) Both A and R are true and R is the correct explanation of A
(B) Both A and R are true and R is not the correct explanation of A
(C) A is true but R is false
(D) Both A and R are false.
2. In the following questions no...to...the Assertion (A) and Reason (R) have been put forward. Read both the statements and choose the correct option from the following:
Assertion: Muscle cells are usually called muscle fibres.
Reason: These are thin and elongated into a thread like structure.
- (A) Both A and R are true and R is the correct explanation of A
(B) Both A and R are true and R is not the correct explanation of A
(C) A is true but R is false
(D) Both A and R are false.