

Gk sample paper

**Q1 DNA is made up of repeating subunits called-**

- (a) nucleotides
  - (b) genes
  - (c) bases
  - (d) None of These
- Answer: nucleotides

**Q2Mendel had a background in which of the following subjects?**

- (a) Arts
  - (b) Botany
  - (c) History
  - (d) None of These
- Answer: Botany

**Q3: Genetics is the study of**

- (a) MRNA
  - (b) RNA
  - (c) genes
  - (d) None of These
- Answer: c

**Q4 How many chromosomes are in an egg or a sperm cell?**

- (a) 46
  - (b) 23
  - (c) 24
  - (d) None of These
- Answer: 23

**Q5 the rate of photosynthesis decreases because the enzymes are denatured at**

- (a) Both B and C
  - (b) lower temperature
  - (c) higher temperature
  - (d) None of These
- Answer: c

**Q6 Light is absorbed by some substances, these substances are known as**

- (a) Salk
  - (b) pigment
  - (c) surface
  - (d) None of These
- Answer: pigment

**Q7 What is the chemical equation for photosynthesis?**

- (a)  $8 \text{ CO}_2 + 8 \text{ H}_2\text{O} + \text{light} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6 \text{ O}_2$
- (b)  $6 \text{ CO}_2 + 6 \text{ H}_2\text{O} + \text{light} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6 \text{ O}_2$

(c)  $12 \text{ CO}_2 + 6 \text{ H}_2\text{O} + \text{light} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6 \text{ O}_2$

(d) None of These

Answer:  $6 \text{ CO}_2 + 6 \text{ H}_2\text{O} + \text{light} \rightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6 \text{ O}_2$

**Q8 Green coloured vegetables are rich source of:**

(a) Vitamin B

(b) Vitamin C

(c) Vitamin A

(d) None of These

Answer: Vitamin A

**Q9 Bitterness in colocasia is due to:**

(a) Potassium oxalate

(b) Calcium oxalate

(c) Calcium carbonate

(d) None of These

Answer: Calcium oxalate

**Q10 Frozen storage is generally operated at temperature of:**

(a)  $-60^\circ\text{C}$

(b)  $-18^\circ\text{C}$

(c)  $0^\circ\text{C}$

(d) None of These

Answer:  $-18^\circ\text{C}$