

Q.1 Multiple Choice Questions

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- 1 Cytokinesis is the division of
a. cell b. cytoplasm c. cell wall d. nucleus
- 2 The exchange of respiratory gases occur by the in the plants.
a. Air pores b. Stomata c. Lenticels d. Diffusion

Q.2 Find the odd one out

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- 1 Rickets, Night blindness, Beriberi , Anemia
- 2 Amitosis, Mitosis, Meiosis, Anaphase

Q.3 Match the pair

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	Column "A"		Column "B"
i.	Anaphase	a.	Chromosomes become arranged in a plane at the equator.
ii.	Prophase	b.	Daughter chromosomes move to opposite poles of the cell
		c.	Chromosomes become visible and centrioles moves to opposite poles of the cell.
		d.	Chromosomes lose their distinctiveness and gradually become transformed into chromatin network.

2

	Column "A"		Column "B"
i.	Telophase	a.	Chromosomes become arranged in a plane at the equator.
ii.	Metaphase	b.	Daughter chromosomes move to opposite poles of the cell
		c.	Chromosomes become visible and centrioles moves to opposite poles of the cell.
		d.	Chromosomes lose their distinctiveness and gradually become transformed into chromatin network.

Q.4 State True or False

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- 1 Excess of proteins is converted into glucose through the process of gluconeogenesis.
- 2 Asexual reproduction is accomplished through mitosis.

Q.5 Write Short Notes

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- 1 Write short note on Energy from Proteins.
- 2 Explain Kreb's cycle with reaction.

Q.6 Distinguish between(Any One)

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- 1 Glycolysis and TCA cycle

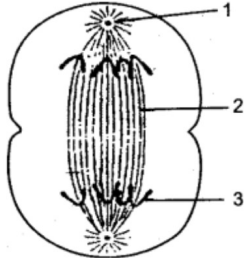
2 Aerobic and Anaerobic Respiration

Q.7 Answer the following in detail (Any One)

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- 1
 - i. What do you mean by cell-cycle ?
 - ii. Why gametes have a haploid number of chromosomes ?
 - iii. What is cytokinesis ?
 - iv. What is the importance of meiosis in creating variations ?

- 2 The diagram below represents a stage during cell division. Study the same and answer the questions.



- i. Name the labelled parts 1,2 and 3 ?
- ii. Identify the above stage and give a reason to support your answer ?
- iii. Give an example of this type of cell division in the body ?
- iv. Name the stage prior to this stage ?

Q.8 Fill in the blank and rewrite the completed statements

1

- 1 The process of gamete production and spore formation occurs by

YOUR FLIGHT , OUR WINGS

KIRAN TUTORIALS