

Model Question paper
Cell Biology (Z) 2
11th Standard

Biology

Reg.No. :

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I. Answer all the questions.

II. Use blue pen only.

Time : 00:45:00 Hrs

Total Marks : 35

5 x 1 = 5

Part - A

- 1) The role of mitochondria in oxidative phosphorylation was explained by
(a) Leninger (b) Embden (c) Krebs (d) Meyer Hoff
- 2) The Ribosomes are meant for
(a) Phosphorylation (b) respiration (c) protein synthesis (d) oxidation
- 3) Which of the following cell may not contain golgi apparatus?
(a) Epithelial cells (b) Glandular cells (c) RBC (d) Secretory cells
- 4) The movement of the flagellum is regulated by.....
(a) plasma membrane (b) nucleus (c) basal body (d) ribosomes
- 5) Lung cancer is caused by
(a) cigarette smoking (b) shale oil (c) radio active ores (d) beta-naphthylamine

Part - B

7 x 2 = 14

- 6) What are RER and SER?
- 7) What is autolysis?
- 8) When do we call a centriole as a basal body?
- 9) What are the types of chromosomes based on the nature of their arms?
- 10) What is a 'fluid mosaic model' of a plasma membrane?
- 11) What is metastasis?
- 12) What are Oncogenes? Give examples.

Part - C

2 x 3 = 6

- 13) Provide the structure of golgi apparatus.
- 14) Write notes on the organisation of a centriole.

Part - D

2 x 5 = 10

- 15) Write an essay on structure and functioning of mitochondria.
- 16) Explain the biology of cancer. (or) Explain how a normal cell is converted into cancerous cell. (or) Describe the formation of cancer in cellular level.
