



INDIAN SCHOOL MUSCAT

FIRST PERIODIC ASSESSMENT

BIOLOGY

CLASS: XI

Sub. Code: 044

Time Allotted: 50 Mts.

13.11.2019

Max. Marks: 20

GENERAL INSTRUCTIONS:

- All Questions are compulsory.
- Draw diagrams if necessary.

- Name two cell organelles that contain their own DNA. 1
 - Mitochondria and Chloroplast
 - Vacuole and Golgi apparatus
 - Vacuole and Mitochondria
 - Golgi apparatus and Chloroplast
- What do aleuroplasts and elaioplasts store? 1
 - Fats and water
 - carbohydrates and fats
 - Carbohydrates and proteins
 - Proteins and fats
- Disc shaped structure on the sides of centromeres are- 1
 - Mesosomes
 - Kinetochores
 - Fimbriae
 - Basal Body
- Who proposed the point of cell theory – *Omnis cellula-e-cellula*? 1
 - Matthias Scheilden
 - Theodore Schwann
 - Rudolf Virchow
 - Robert Brown
- Prokaryotic cells do not have – 1
 - Membrane bound organelles
 - Nuclear membrane
 - I Nucleolus
 - All of these
- Briefly explain the Lipid component of the cell membrane in Eukaryotes. 2
- What are the two kinds of Endoplasmic reticulum? State the function of each. 2
- Give one difference in Cytokinesis of Plant and Animal cell? 2
- What is the significance of Mitosis?(3 Points) 3
- Name the stage of cell cycle where these events occur- 3
 - Homologous chromosomes pair to make a synaptonemal complex
 - Crossing over between homologous pairs
 - Chromatids move to opposite poles
- Briefly explain the structure of Chloroplast. 3

End of the Question Paper



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- All Questions are compulsory.
- Draw diagrams if necessary.

- What are the extensions of the plasma membrane into the cell of a prokaryote called? 1
(a) Mycoplasma (b) Mesosome (c) Polysome (d) Lysosome
- Name two cell organelles that contain their own DNA. 1
(a) Mitochondria and Chloroplast (b) Vacuole and Golgi apparatus
(c) Vacuole and Mitochondria (d) Golgi apparatus and Chloroplast
- The stage of cell cycle where the cell is metabolically active but no longer proliferates is? 1
(a) G1 phase (b) S phase (c) G2 phase (d) G0 phase
- The cell envelope of a prokaryotic cell consists of these layers in the order from outside 1
(a) Glycocalyx, plasma membrane & cell wall (b) Glycocalyx, cell wall & plasma membrane
(c) Cell wall, glycocalyx & plasma membrane (d) Plasma membrane, glycocalyx & cell wall
- A chromosome with a non-staining secondary constriction appearing as a small fragment is? 1
(a) Acrocentric (b) Telocentric (c) Satellite (d) Sub metacentric
- Briefly explain the 9+2 array of microtubules in Cilia or Flagellum. 2
- Give one difference between Prokaryotic and Eukaryotic Ribosome. 2
- State difference in Cytokinesis of Plant and Animal cell? 2
- State the significance of Meiosis. (3 points) 3
- Name the stage of cell cycle where these events occur- 3
a) Homologous chromosomes pair to make a synaptonemal complex
b) Terminalisation of Chiasmata
c) Chromosomes come to lie in the equatorial plate
- Briefly explain the structure of Mitochondria. 3

End of the Question Paper



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GENERAL INSTRUCTIONS:

- All Questions are compulsory.
- Draw diagrams if necessary.

- Prokaryotic cells do not have a – 1
 - Membrane bound organelles
 - Nuclear membrane
 - Nucleolus
 - All of these
- The enzyme involved in the crossing over of chromosomes at pachytene stage 1
 - Hydrogenase
 - Recombinase
 - Carboxylase
 - Protease
- The stage of cell cycle where the cell DNA replicates and centriole duplicates 1
 - G1 phase
 - S phase
 - G2 phase
 - G 0 phase
- Who proposed the point of cell theory –*Omnis cellula-e-cellula*? 1
 - Matthias Scheilden
 - Theodore Schwann
 - Rudolf Virchow
 - Robert Brown
- A chromosome with the middle centromere forming two equal arms of the chromosome? 1
 - Acrocentric
 - Telocentric
 - Satellite
 - Metacentric
- Give one difference between Prokaryotic and Eukaryotic Ribosome. 2
- State two basic phases of cell cycle of a eukaryotic cell. What is the importance of S phase? 2
- What are the two kinds of Endoplasmic reticulum? State the function of each. 2
- State the significance of Meiosis. (3 points) 3
- Name the stage of cell cycle where these events occur- 3
 - Homologous chromosomes pair to make a synaptonemal complex
 - Nuclear membrane and nucleolus reappear forming a dyad of cells
 - Terminalisation of Chiasmata
- Briefly explain the structure of chloroplast. 3

End of the Question Paper

Roll Number

A



INDIAN SCHOOL MUSCAT FIRST PERIODIC ASSESSMENT

BUSINESS STUDIES

CLASS: XI

Sub. Code: 054

Time Allotted: 50 Minutes

13.11.2019

Max. Marks: 20

General Instructions:

- All questions are compulsory.
- Answer to the question carrying 1 mark should be written with option and answer.
- Answer to questions carrying 3 marks may be from 50-75 words.
- Answer to questions carrying 5 marks may be about 150 words.

- ADR is issued in:
(a) Canada (b) China (c) India (d) USA 1
- Discuss about the social responsibility of a business towards various interest groups. 3
- Explain any 3 merits of trade credit as a source of capital. 3
- Discuss any 3 merits of raising capital through the issue of public deposits. 3
- What do you mean by retained earnings? Explain any 2 merits and demerits of retained earnings. 5
- 'Social responsibility involves an element of voluntary action on the part of business people for the benefit of society'. Explain any 5 arguments in favour of social responsibility. 5

End of the Question Paper

8/12/11

Roll Number		
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B



INDIAN SCHOOL MUSCAT
FIRST PERIODIC ASSESSMENT

BUSINESS STUDIES

CLASS: XI	Sub. Code: 054	Time Allotted: 50 Minutes
13.11.2019		Max. Marks: 20

General Instructions:

- a) All questions are compulsory.
- b) Answer to the question carrying 1 mark should be written with option and answer.
- c) Answer to questions carrying 3 marks may be from 50-75 words.
- d) Answer to questions carrying 5 marks may be about 150 words.

- | | | |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| 1. | ADR is issued in: | |
| | (a) Canada | (b) China |
| | (c) India | (d) USA |
| | | 1 |
| 2. | Discuss any 3 merits of raising capital through the issue of public deposits. | 3 |
| 3. | Explain any 3 merits of trade credit as a source of capital. | 3 |
| 4. | Discuss about the social responsibility of a business towards various interest groups. | 3 |
| 5. | Differentiate between owned funds and borrowed funds. | 5 |
| 6. | ‘Social responsibility involves an element of voluntary action on the part of business people for the benefit of society’. Explain any 5 arguments in favour of social responsibility. | 5 |

End of the Question Paper

Roll Number

C



INDIAN SCHOOL MUSCAT FIRST PERIODIC ASSESSMENT

BUSINESS STUDIES

CLASS: XI

Sub. Code: 054

Time Allotted: 50 Minutes

13.11.2019

Max. Marks: 20

General Instructions:

- All questions are compulsory.
- Answer to the question carrying 1 mark should be written with option and answer.
- Answer to questions carrying 3 marks may be from 50-75 words.
- Answer to questions carrying 5 marks may be about 150 words.

- ADR is issued in:
(a) Canada (b) China (c) India (d) USA 1
- Explain any 3 merits of trade credit as a source of capital. 3
- Discuss any 3 merits of raising capital through the issue of public deposits. 3
- Discuss about the social responsibility of a business towards various interest groups. 3
- 'Social responsibility involves an element of voluntary action on the part of business people for the benefit of society'. Explain any 5 arguments in favour of social responsibility. 5
- 'ABC Co. wants to raise capital through the issue of equity shares'. Explain any three merits and 2 limitations of this method of raising capital. 5

End of the Question Paper