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WEEB
SEM II THEORY EXAMINATION 2021-22
REMEDIAL BIOLOGY-II

Time: 3 Hours

Total Marks: 100

Notes:

- Attempt all Sections and Assume any missing data.
- Appropriate marks are allotted to each question, answer accordingly.

SECTION-A Attempt ALL of the following Questions in brief		max(10X3=30)	CO	BL
Q1(a)	Give four differences between Gram +ve and Gram -ve bacteria?		CO1	BL1
Q1(b)	Differentiate between prokaryotes and Eukaryotes on the basis of their cell wall?		CO1	BL1
Q1(c)	Define catabolic reaction?		CO1	BL1
Q1(d)	What is the role of ATP Synthase in oxidative phosphorylation?		CO1	BL1
Q1(e)	Give two names of sexually transmitted diseases?		CO1	BL1
Q1(f)	What is the significance algae in industries?		CO1	BL1
Q1(g)	What is the role of cytoplasmic layer in cell?		CO1	BL1
Q1(h)	Define Lipid and protein metabolism in short?		CO1	BL1
Q1(i)	Define Anaerobic respiration?		CO1	BL1
Q1(j)	What is isotonicity?		CO1	BL1
SECTION-B Attempt ANY THREE of the following Questions		max(3X8=24)	CO <td>BL</td>	BL
Q2(a)	Describe the history of microbiology in detail?		CO1	BL1
Q2(b)	Explain the functional anatomy of Prokaryotes in detail with diagram?		CO1	BL1
Q2(c)	Explain Lipid metabolism in detail?		CO1	BL1
Q2(d)	Briefly describe the mechanism of oxidative phosphorylation?		CO1	BL1
Q2(e)	What is the significance hematology in the field of biology?		CO1	BL1
SECTION-C Attempt ANY ONE following Question		max(1X8=8)	CO <td>BL</td>	BL
Q3(a)	Discuss the role of Microorganisms in the production of industrial chemicals and pharmaceuticals?		CO1	BL1
Q3(b)	Write a short note on Algae and Protozoa?		CO1	BL1
SECTION-C Attempt ANY ONE following Question		max(1X8=8)	CO <td>BL</td>	BL
Q4(a)	Explain the functional anatomy of eukaryotic cells in detail with diagram?		CO1	BL1
Q4(b)	Briefly differentiate between Eukaryotic cells Prokaryotic cell?		CO1	BL1
SECTION-C Attempt ANY ONE following Question		max(1X8=8)	CO <td>BL</td>	BL
Q5(a)	What are Anabolic and catabolic reactions? Explain protein catabolism in detail?		CO1	BL1
Q5(b)	Explain carbohydrate metabolism in detail?		CO1	BL1
SECTION-C Attempt ANY ONE following Question		max(1X8=8)	CO <td>BL</td>	BL
Q6(a)	Explain glycolysis in detail with suitable flowchart?		CO1	BL1
Q6(b)	Describe briefly the Electron Transport System in detail with suitable diagram?		CO1	BL1
SECTION-C Attempt ANY ONE following Question		max(1X8=8)	CO <td>BL</td>	BL
Q7(a)	What do you mean by population and birth control? Why reproductive health is important for human welfare?		CO1	BL1
Q7(b)	Describe Cancer and AIDS in detail?		CO1	BL1