PAPER ID-421677

Subject Code: KBT202T

Roll No: | | | | | | | | | | | | | |

BTECH
(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 areallotted to each question, answer accordingly.*

SECTION-A	Attempt **All** of the following Questions in brief	Marks**(10X2=20)**	**CO**	**BL**
Q1(a)	Give four differences between Gram=+Ve and Gram –ve bacteria?		CO1	K1
Q1(b)	Differentiate between prokaryotes and Eukaryotes on the basis of their cell wall?		CO2	K1
Q1(c)	Define catabolic reaction?		CO3	K1
Q1(d)	What is the role of ATP Synthase in oxidative phosphorylation?		CO4	K1
Q1(e)	Give two names of sexually transmitted diseases ?		CO5	K1
Q1(f)	What is the significance algae in industries ?		CO1	K1
Q1(g)	What is the role of peptidoglycan layer in cell?		CO2	K1
Q1(h)	Define Lipid and protein metabolism in short?		CO3	K1
Q1(i)	Define Aerobic respiration?		CO4	K1
Q1(j)	What is infertility?		CO5	K1

SECTION-B	Attempt **ANY THREE** of the following Questions	Marks**(3X10=30)**	**CO**	**BL**
Q2(a)	Describe the history of microbiology in detail?		CO1	K1
Q2(b)	Explain the functional anatomy of Prokaryotes in detail with diagram?		CO2	K1
Q2(c)	Explain Lipid metabolism in detail?		CO3	K1
Q2(d)	Briefly describe the mechanism of oxidative phosphorylation?		CO4	K1
Q2(e)	What is the Significance Immunology in the field of biology?		CO5	K1

SECTION-C	Attempt **ANY ONE** following Question	Marks **(1X10=10)**	**CO**	**BL**
Q3(a)	Discuss the role of Microorganism in the production of industrial chemicals and pharmaceuticals?		CO1	K1
Q3(b)	Write a short note on Algae and Protozoa?		CO1	

SECTION-C	Attempt **ANY ONE** following Question	Marks **(1X10=10)**	**CO**	**BL**
Q4(a)	Explain the functional anatomy of eukaryotic cells in detail with diagram?		CO2	K1
Q4(b)	Briefly differentiate between Eukaryotic cells Prokaryotic cell?		CO2	K1

SECTION-C	Attempt **ANY ONE** following Question	Marks **(1X10=10)**	**CO**	**BL**
Q5(a)	What are Anabolic and catabolic reactions? Explain protein catabolism in detail.		CO3	K1
Q5(b)	Explain carbohydrate metabolism in detail?		CO3	K1

SECTION-C	Attempt **ANY ONE** following Question	Marks **(1X10=10)**	**CO**	**BL**
Q6(a)	Explain glycolysis in detail with suitable Flowchart?		CO4	K1
Q6(b)	Describe briefly the Electron Transport System in detail with suitable diagram?		CO4	K1

SECTION-C	Attempt **ANY ONE** following Question	Marks **(1X10=10)**	**CO**	**BL**
Q7(a)	What do you mean by population and birth control? Why reproductive health is important for human welfare?		CO5	K1
Q7(b)	Describe Cancer and AIDS in detail?		CO5	K1

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