


Name:			
Enrolment No:			
UPES End Semester Examination, December 2023 Course :Epidemiology and Disease Management Semester : V Program: Int. BMSc. Microbiology Duration : 3 Hours Course Code: HSMB3024P Max. Marks: 100			
Instructions: Attempt all Questions			
S. No.	Section A Short answer questions/ MCQ/T&F (20Qx1.5M= 30 Marks)	Marks	COs
Q 1	Define epidemiology	1.5	CO1
Q 2	Write 3 aims of Epidemiology	1.5	CO1
Q 3	Define rate of disease	1.5	CO1
Q 4	What are the parts of International Death certificate?	1.5	CO1
Q 5	Enumerate diseases caused by water pollution	1.5	CO3
Q 6	Name the national health program to control Tuberculosis	1.5	CO5
Q 7	Enumerate types of carriers of disease	1.5	CO5
Q 8	Enumerate the effects of noise pollution	1.5	CO3
Q 9	What are the environmental factors causing pollution?	1.5	CO3
Q 10	What is herd immunity?	1.5	CO5
Q 11	Enumerate 3 ways to find Central Tendency values.	1.5	CO4
Q 12	What is meant by continuous variables?	1.5	CO2
Q 13	Enlist 5 features of research	1.5	CO4
Q 14	Give 3 uses of Biostatistics	1.5	CO2
Q 15	Define Biostatistics	1.5	CO2
Q 16	What is Median? Give 1 example	1.5	CO2
Q 17	Enumerate 3 ways of Graphical representation of Data	1.5	CO4
Q 18	Give 3 sources of Data	1.5	CO4
Q 19	Define Census	1.5	CO4
Q 20	Give 3 sampling errors	1.5	CO4

S.NO.	Section B (4Q x 5M = 20 Marks)	Marks	CO
Q 1	Write short note on history of Epidemiology.	5	CO1
Q 2	Write about purification of water.	5	CO3
Q 3	Explain Dispersion in Biostatistics and its Types.	5	CO2
Q 4	Write short note on various types of Research.	5	CO4

S.NO.	Section C (2Q x 15M = 30 Marks)	Marks	CO
Q 1	Enumerate the steps of Field Investigation. Describe the Methodology of conducting a Field investigation.	15	CO3
Q 2	Describe in detail the research process and explain its various Steps.	15	CO4

S.NO.	Section D (2Q x 10M = 20 Marks)	Marks	CO
Q 1	Explain in detail about disease transmission with role of Reservoir, route of transmission and host factors.	10	CO5
Q 2	What is meant by dependent and Independent Variable? Write in detail giving examples.	10	CO2