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G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.



UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2024.

(For those admitted in June 2021 and later)

PROGRAMME AND BRANCH: B.Sc., BOTANY

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
II	PART-III	CORE	U21BO204	MICROBIOLOGY, MYCOLOGY, LICHENOLOGY & PLANT PATHOLOGY

Date & Session: 16.11.2024/FN

Time : 3 hours

Maximum: 75 Marks

Course Outcome	Bloom's K-level	Q. No.	SECTION – A (10 X 1 = 10 Marks) Answer ALL Questions.
CO1	K1	1.	Who is known as the father of Microbiology. a) Edwin John Butler b) Ferdinand Cohn c) Robert Koch d) Antoni van Leeuwenhoek
CO1	K2	2.	Bacillus is an example of. a) Gram positive bacteria b) Gram negative bacteria c) Virus d) Viroid
CO2	K1	3.	What is the protein shell that envelops the viral genome called. a) Capsid b) Outer envelope c) Capsomere d) Nucleic
CO2	K2	4.	Which of the following is a helical virus. a) TMV b) T4 phage c) Poxvirus d) Herpes virus
CO3	K1	5.	Mycology is related to the study of. a) Virus b) Human cells c) Bacteria d) Fungi
CO3	K2	6.	In Mucor, asexual reproduction takes place by. a) Zoospore b) Aplanospores c) Conidia d) None of the above
CO4	K1	7.	Majorly, lichens are the pollution indicators of. a) CO b) Mercury c) NO ₂ d) SO ₂
CO4	K2	8.	Yeast is an importance source of. a) Vitamin C b) Riboflavin c) Sugar d) Fat
CO5	K1	9.	Which of the given diseases is related to Groundnut. a) Tikka b) Phomopsis blight c) Leaf rust d) Alternaria blight
CO5	K2	10.	Yellow leaf of citrus is caused due to. a) Molybdenum deficiency b) Calcium deficiency c) Copper deficiency d) Potassium deficiency

Course Outcome	Bloom's K-level	Q. No.	SECTION – B (5 X 5 = 25 Marks) Answer <u>ALL</u> Questions choosing either (a) or (b)
CO1	K3	11a.	Give a short note on scope of microbiology. (OR)
CO1	K3	11b.	Describe the Staining technique.
CO2	K3	12a.	Write short note on general characters of virus. (OR)
CO2	K3	12b.	Explain about transmission of viruses.
CO3	K4	13a.	Describe the Ainsworth's classification of fungi. (OR)
CO3	K4	13b.	Give an account of reproduction and life cycle of <i>Puccinia</i> .
CO4	K4	14a.	Explain the general characters of lichens. (OR)
CO4	K4	14b.	Write a note on ecological significance of lichens.
CO5	K5	15a.	Describe the citrus canker. (OR)
CO5	K5	15b.	Write a short note on root wilt of coconut.

Course Outcome	Bloom's K-level	Q. No.	SECTION – C (5 X 8 = 40 Marks) Answer <u>ALL</u> Questions choosing either (a) or (b)
CO1	K3	16a.	Give an account of general characters and classification of bacteria. (OR)
CO1	K3	16b.	Describe media preparation and pure culture technique of bacteria.
CO2	K4	17a.	Briefly describe the structure and reproduction of TMV. (OR)
CO2	K4	17b.	Give an account of structure and reproduction of mycoplasma.
CO3	K4	18a.	Write an essay on the general characters of fungi. (OR)
CO3	K4	18b.	Give the systematic position, reproduction and life cycle of <i>Albugo</i> .
CO4	K5	19a.	Give an account of economic importance of fungi. (OR)
CO4	K5	19b.	Write an essay on the structure and reproduction of <i>Usnea</i> .
CO5	K5	20a.	Describe the symptoms, disease cycle and control measures of bacterial blight of paddy. (OR)
CO5	K5	20b.	Write an essay on the history of plant pathology.