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COER University**END SEMESTER EXAMINATION, EVEN SEM 2022-23**

Time : 3 hours
Program Name : B.Sc.(Hons.)Agriculture
Course Name : Fundamentals of Plant Pathology

Total Marks : 100
Semester : II
Course Code : BSAG206

Note: All questions are compulsory. No student is allowed to leave the examination hall before the completion of the time.

Q. No 1	Attempt Any Five Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Discuss the impact of climate change on plant diseases.	CO 1	1,2
(b)	Illustrate the concept of the disease triangle and its role in plant disease management	CO 1	1,2
(c)	Elaborate on the process of pathogenesis and its role in disease development.	CO 1	1,2
(d)	Name two Book and two Scientific Journal on Plant Pathology complete with the title, author(s), Scientific Society from where the Journal is Published and periodicity of the Journal.	CO 1	1
(e)	Write short notes on: i- E.J. Butler ii- Anton De Bary iii-B.B. Mundkur	CO 1	1
(f)	Discuss the importance of plant pathology in modern crop production.	CO 1	2

Q. No 2	Attempt Any Five Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Define fungi? Describe the vegetative characteristics of fungi.	CO 2	2
(b)	Define mycelium. Discuss the various modifications of mycelium.	CO 2	2
(c)	Write an essay on diseases caused by phanerogamic plants and their measurements.	CO 2	2
(d)	Difference between parasite, pathogenesis and pathogen.	CO 2	2
(e)	Describe the structure, classification and reproduction of bacteria	CO 2	2
(f)	Briefly describe Rules of Nomenclature of Fungi.	CO 2	2

Q. No 3	Attempt Any Five Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Describe the characteristic features of any 4 (Four) of the following: (i) Fungi (ii) Bacteria (iii) Virus (iv) Viroid and (v) Phytoplasma.	CO 3	1
(b)	Name 5 genera each of Downy mildew, Powdery mildew, Smut and Rust Fungi.	CO 3	2
(c)	Give a brief account of Fungicide formulation. Describe the name(s) and uses of common fungicides.	CO 3	4
(d)	Write an essay on role of insect in spreading plant diseases.	CO 3	2
(e)	Write a note on Black rust of wheat.	CO 3	2
(f)	Differentiate rust and smut diseases with example.	CO 3	3

Q. No 4	Attempt Any Five Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Explain the characteristics of bacteria.	CO 4	2
(b)	Describe the nature, classification and mode of action of fungicides.	CO 4	2
(c)	Write an essay on anti sporulant and antibiotics.	CO 4	3
(d)	Explain the following terms used in Plant Pathology (Attempt any 10 terms) Mycelium, Alternate host, Collateral host, Fungicide, Fungistatic, Hypertrophy, antibiotic, Biotroph, Necrotroph, antibody, Ectoparasite, Endoparasite.	CO 4	1
(e)	Outline different methods of Plant Disease Management.	CO 4	2
(f)	Describe the socio-economic impact of plant diseases.	CO 4	4

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