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

Time : 3 hours
 Program Name : B.Sc.(Honors)-Agriculture
 Course Name : Agri-Informatics

Total Marks : 100
 Semester : II
 Course Code : BSAG200

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)	Define Operating System. Discuss the types of operating system.	CO 1	1
(b)	Define DBMS. Discuss the role of DBMS in Agriculture.	CO 1	1
(c)	Justify how hardware is different from software.	CO 1	2
(d)	Discuss the features of MS-Word.	CO 1	2
(e)	Differentiate between system software and application software	CO 1	3
(f)	Compare and contrast between primary and secondary memory.	CO 1	2

Q. No 2	Attempt Any Five Parts. Each Question Carries 5 Marks.	CO	BL
(a)	How can ICT be used to improve agriculture production and management	CO 2	2
(b)	Define programming language. Discuss the role of interpreter in programming languages.	CO 2	1
(c)	Differentiate between low level languages and high level programming languages.	CO 2	3
(d)	Discuss the working of any 3 output devices.	CO 2	2
(e)	Define the terms Web Page, Web Browser and Web Server.	CO 2	1
(f)	Differentiate between search engine optimization and search engine marketing.	CO 2	3

Q. No 3	Attempt Any Five Parts. Each Question Carries 5 Marks.	CO	BL
(a)	How does an IT application for computation of water and nutrient requirement of crops work, and what are its benefits?	CO 3	3
(b)	Discuss the limitation and future of IT applications in agriculture.	CO 3	2
(c)	What are some popular IT applications for crop management, and how do they help farmers make informed decisions?	CO 3	2
(d)	How does a computer-controlled irrigation system work?	CO 3	3
(e)	How do IT applications help with soil management in agriculture	CO 3	3
(f)	Differentiate between manual and automated systems for pesticide and herbicide application.	CO 3	3

Q. No 4	Attempt Any Five Parts. Each Question Carries 5 Marks.	CO	BL
(a)	Discuss the features of Agriculture information system. How it is useful to the society.	CO 4	2
(b)	Discuss geospatial technology in agriculture and its role in generating valuable agri-information.	CO 4	2
(c)	Compare and contrast between Decision support system and Expert system	CO 4	3
(d)	Write the merits and demerits of Soil information System.	CO 4	3
(e)	Discuss the various components of soil information systems used in agriculture.	CO 4	2
(f)	Describe the various stages involved in preparing contingent crop-planning using IT tools.	CO 4	3

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