

MAJOR ELECTIVE COURSE – II ENTREPRENEURSHIP IN BIOSCIENCES

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which of these actions of an entrepreneur will most likely result in creative destruction? a) Developing a new product b) Taking over a competitors business c) Issuing shares to individuals and institutions d) Lowering prices of your product or service	K1	CO1
	2	Entrepreneurship Development Program is helpful for a) First generation entrepreneurs b) Future generation entrepreneurs c) Existing entrepreneurs d) Hereditary entrepreneurs	K2	CO1
2	3	The term “Totipotency” refers to the capacity of a a) Cell to generate whole plant b) Bud to generate whole plant c) Seed to germinate d) Cell to enlarge in size	K1	CO2
	4	Following one is mixed with Bioethanol to prepare transport fuel. a) Diesel b) Oil c) Petrol d) Kerosene	K2	CO2
3	5	First U.S. patent for a GM entity granted to Ananda Chakraborty a) Glo-microbes using luciferase b) Bacteria expressing HGH c) Engineered <i>Pseudomonas</i> to degrade petroleum d) Cloned <i>E.coli</i> for oil removal	K1	CO3
	6	What is used as a bio-control agent against caterpillar of butterflies? a) <i>Trichoderma</i> b) <i>Streptococcus</i> c) <i>Bacillus thuringiensis</i> d) Baculovirus	K2	CO3
4	7	Liquid chlorine is most effective a) Coagulant b) Flocculant c) Disinfectant d) Sterilizing agent	K1	CO4
	8	Which of the following is not used as carrier for mass production of bio-fertilizer? a) Vermiculite b) Coal c) Perlite d) Yavilin	K2	CO4
5	9	EDB stands for a) Enterprise Development Bureau b) Entrepreneurial Development Bureau c) Entrepreneur Development Bureau d) Entrepreneur Development Bank	K1	CO5
	10	The timing section of a project will NOT include a) Progress report data b) Guideline on ethics c) Deadline for ending data collection d) Deadline for submitting final report	K2	CO5

Cont...

SECTION - B (35 Marks)Answer **ALL** questions**ALL** questions carry **EQUAL** Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Discuss in detail about SWOT analysis of bio-business.	K3	CO1
		(OR)		
	11.b.	State about Government schemes and funds for bio-entrepreneurship.	K3	
2	12.a.	How can you produce bioethanol using agricultural wastes?	K4	CO2
		(OR)		
	12.b.	Mention the business opportunity on plant tissue culture.	K4	
3	13.a.	Write short notes on bioremediation.	K3	CO3
		(OR)		
	13.b.	Microbe enriched compost – Justify.	K4	
4	14.a.	Compare and contract bio-manure and bio-gas.	K3	CO4
		(OR)		
	14.b.	Enumerate the carrier used in mass production of bio-fertilizer.	K5	
5	15.a.	Write the role and responsibilities of incubation centers.	K3	CO5
		(OR)		
	15.b.	Discuss the schemes and subsidies on biotech business.	K5	

SECTION -C (30 Marks)Answer **ANY THREE** questions**ALL** questions carry **EQUAL** Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Briefly explain characteristics, need and rationale of small scale industries.	K4	CO1
2	17	Outline an case study on plant cell and tissue culture techniques.	K4	CO2
3	18	Describe the opportunity, requirement, schemes and challenges on bio-fertilizers.	K4	CO3
4	19	Explain the various methods of vermicomposting.	K5	CO4
5	20	List out the role of BIRAC and DBT technology management and startup of bio-business.	K5	CO5

Z-Z-Z

END