Name: Enrolment No:

d. Lemons

Q 7



1.5

CO3

UPES       End Semester Examination, May 2024       Course: Probiotics and Probiotics Semester : II       Program: M.Sc. Microbiology Duration : 3 Hours       Course Code: HSMB7018P Max. Marks : 100       Instructions: The Assessment consists of 4 sections.       •     Part A contains 20 questions of 1.5 marks each and all questions are compulsory.       •     Part C consists of 2 questions of 10 marks each and all questions are compulsory.       •     Part D consists of 2 questions of 10 marks each and all questions are compulsory.       •     Part D consists of 2 questions of 10 marks each and all questions are compulsory.       •     Part D consists of 2 questions of 10 marks each and all questions are compulsory.       •     Part D consists of 2 questions of 10 marks each and all questions are compulsory.       •     Part D consists of 2 questions of 10 marks each and all questions are compulsory.       •     Part D consists of 2 question of 10 marks each and all questions are compulsory.       •     Not ranswer questions/ MCQ/T&F     Marks       Q1     What are probiotics?     1.5     CO1       •     Nutrients essential for digestion     1.5     CO2       •     Nutrients essential for digestion				
End Semester Examination, May 2024     Course: Probiotics and Prebiotics   Semester : II     Program: M.Sc. Microbiology   Duration : 3 Hours     Course Code: HSMB7018P   Max. Marks : 100     Instructions: The Assessment consists of 4 sections.   Part A contains 20 questions of 1.5 marks each and all questions are compulsory.     Part A consists of 2 questions of 15 marks each and all questions are compulsory.   Part D consists of 2 questions of 10 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   Part D consists of 2 questions of 10 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   Marks   COs     S.No.   Section A (20Qx1.5M= 30 Marks)   Marks   COs     Q1   What are probiotics? a. Nutrients essential for digestion b. Harmful microorganisms in the gut c. Live microorganisms in the gut d. Non-digestible fibres in the diet   I.5   CO2     Q2   A substance containing both prebiotic and probiotic is called as?   1.5   CO2     a. Prebiotic c. Probiotic   .   Symbiotic   .   CO3     a. Apples   .   .   CO2   .   A substance containing both prebiotic and probiotics?   1.5   CO2 <t< th=""><th></th><th>UPES</th><th></th><th></th></t<>		UPES		
Course: Probiotics and Prebiotics   Semester : II     Program: M.Sc. Microbiology   Duration : 3 Hours     Course Code: HSMB7018P   Max. Marks : 100     Instructions: The Assessment consists of 4 sections.   Part A contains 20 questions of 1.5 marks each and all questions are compulsory.     Part B consists of 2 questions of 15 marks each and all questions are compulsory.   Part C consists of 2 questions of 16 marks each and all questions are compulsory.     Part C consists of 2 questions of 10 marks each and all questions are compulsory.   Part D consists of 2 questions of 10 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   Short answer questions/MCQ/T&F   Marks   COs     S.No.   Section A   Marks   COs     Short answer questions/MCQ/T&F   Marks   COs     Q1   What are probiotics?   1.5   CO1     b. Harmful microorganisms in the gut   c. Live microorganisms that provide health benefits   1.5   CO2     a. Prebiotic   .   .   Non-digestible fibres in the diet   .   Q2     Q2   A substance containing both prebiotic and probiotic is called as?   1.5   CO2     a. Prebiotic   .   .   .   .   CO2<		End Semester Examination, May 2024		
Program: M.Sc. Microbiology   Duration : 3 Hours     Course Code: HSMB7018P   Max. Marks : 100     Instructions: The Assessment consists of 4 sections.   •     Part B consists of 2 questions of 1.5 marks each and all questions are compulsory.   •     Part B consists of 2 questions of 15 marks each and all questions are compulsory.   •     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   •     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   •     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   •     S.No.   Sction A   Marks   COs     S.No.   Sction A   Marks   COs     Q1   What are probiotics?   1.5   CO1     a. Nutrients essential for digestion   b. Harmful microorganisms in the gut   -   1.5   CO2     a. Prebiotic   d. Non-digestible fibres in the diet   -   -   CO2     Q2   A substance containing both prebiotic and probiotic is called as?   1.5   CO1     a. Sphoit   c.   -   -   CO2     a. Probiotic   -   -   -   -   CO2     Q3	Course:	Probiotics and Prebiotics Semester	: 11	
Course Code: HSMB7018P   Max. Marks : 100     Instructions: The Assessment consists of 4 sections.   Part A contains 20 questions of 1.5 marks each and all questions are compulsory.     Part B consists of 2 questions of 15 marks each and all questions are compulsory.   Part D consists of 2 questions of 15 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   Part D consists of 2 questions of 10 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   Part D consists of 2 questions of 10 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   Part D consists of 2 questions of 10 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.   Marks     COs   Short answer questions/ MCQ/T&F (20Qx1.5M= 30 Marks)     Q1   What are probiotics?   1.5     C Live microorganisms in the gut   1.5   CO1     a. Nutrients essential for digestion   1.5   CO2     a. Non-digestible fibres in the diet   Q2   A substance containing both prebiotic and probiotic is called as?   1.5   CO2     a. Prebiotic   Bymbiotic   -   Probiotics   -   CO1 <th colspan="2">Program: M.Sc. Microbiology Duration</th> <th>: 3 Hours</th> <th></th>	Program: M.Sc. Microbiology Duration		: 3 Hours	
Instructions: The Assessment consists of 4 sections.     Part A contains 20 questions of 1.5 marks each and all questions are compulsory.     Part B consists of 2 questions of 15 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.     Part D consists of 2 questions of 10 marks each and all questions are compulsory.     Short answer questions/MCQ/T&F (20Qx1.5M= 30 Marks)     Q1   What are probiotics?     a. Nutrients essential for digestion     b. Harmful microorganisms in the gut     c. Live microorganisms that provide health benefits     d. Non-digestible fibres in the diet     Q2     A substance containing both prebiotic and probiotic is called as?     a. Prebiotic     b. Symbiotic     c. Probiotic     d. Postbiotic     a. Apples     b. Chricken breast     c. Whole wheat bread     d. Yogurt     Q4     Prebiotics are best described as?     a. Foods that nourish beneficial gut bacteria     b. Digestive enzymes     c. Harmful bacteria in the gut     d. Probiotis supplements     <	Course	Code: HSMB7018P Max. Marks	5:100	
S. No.   Section A Short answer questions/ MCQ/T&F (20Qx1.5M= 30 Marks)   Marks   COs     Q 1   What are probiotics? a. Nutrients essential for digestion b. Harmful microorganisms in the gut c. Live microorganisms that provide health benefits d. Non-digestible fibres in the diet   1.5   CO1     Q 2   A substance containing both prebiotic and probiotic is called as? a. Prebiotic b. Symbiotic c. Probiotic d. Postbiotic   1.5   CO2     Q 3   Which of the following foods is a good source of probiotics? a. Apples b. Chicken breast c. Whole wheat bread d. Yogurt   1.5   CO1     Q 4   Prebiotics are best described as? a. Foods that nourish beneficial gut bacteria b. Digestive enzymes c. Harmful bacteria in the gut d. Probiotic supplements   1.5   CO2     Q 5   What is the primary role of prebiotics in the gut? a. Killing harmful bacteria b. Nourishing beneficial gut bacteria c. Providing energy for the host d. Preventing nutrient absorption   1.5   CO2     Q 6   Which of the following is an example of the best probiotic strain? a. Chicory root b. Beetroot   1.5   CO4	Instruct Pan Pan Pan Pan Pan	tions: The Assessment consists of 4 sections. rt A contains 20 questions of 1.5 marks each and all questions are of rt B consists of 4 questions of 5 marks each and all questions are co rt C consists of 2 questions of 15 marks each and all questions are of rt D consists of 2 questions of 10 marks each and all questions are of	compulsory. ompulsory. compulsory. compulsory.	
S. Not.   Short answer questions/ MCQ/T&F (20Qx1.5M= 30 Marks)   Interval   COS     Q1   What are probiotics?   1.5   CO1     a.   Nutrients essential for digestion   1.5   CO1     b.   Harmful microorganisms in the gut   c.   Live microorganisms that provide health benefits     d.   Non-digestible fibres in the diet   20   A substance containing both prebiotic and probiotic is called as?   1.5   CO2     a.   Prebiotic   b.   Symbiotic   -   -   -     c.   Probiotic   -   -   -   -   CO2     a.   Prebiotic   -   -   -   -   CO2     a.   Prebiotic   -   -   -   -   CO2     a.   A substance containing both prebiotics and probiotic is called as?   1.5   CO2   -   -   -   CO1   -   -   -   -   -   CO1   -	S No	Section A	Morks	COs
Q1   What are probiotics?   1.5   CO1     a. Nutrients essential for digestion   b. Harmful microorganisms in the gut   c. Live microorganisms in the gut   c. Live microorganisms that provide health benefits     d. Non-digestible fibres in the diet   Q2   A substance containing both prebiotic and probiotic is called as?   1.5   CO2     a. Prebiotic   b. Symbiotic   c. Probiotic   1.5   CO2     a. Prebiotic   b. Symbiotic   c. Probiotic   c. Probiotic   CO1     Q3   Which of the following foods is a good source of probiotics?   1.5   CO1     a. Apples   b. Chicken breast   c. Whole wheat bread   CO2     d. Yogurt   CO2   a. Foods that nourish beneficial gut bacteria   1.5   CO2     Q4   Prebiotics are best described as?   1.5   CO2     a. Foods that nourish beneficial gut bacteria   b. Digestive enzymes   1.5   CO2     g4   a. Frobiotic supplements   1.5   CO2     q5   What is the primary role of prebiotics in the gut?   1.5   CO2     g6   Which of the following is an example of the best probiotic strain?   1.5   CO4     g7   What	5.110.	Short answer questions/ MCO/T&F		COS
Q1   What are probiotics?   1.5   CO1     a. Nutrients essential for digestion   b. Harmful microorganisms in the gut   c. Live microorganisms that provide health benefits		$(200 \times 1.5 \text{M} = 30 \text{ Marks})$		
Q1   What are probiotics?   1.5   CO1     a. Nutrients essential for digestion   1.5   CO1     b. Harmful microorganisms in the gut   c. Live microorganisms that provide health benefits   1.5   CO2     a. Non-digestible fibres in the diet   Q2   A substance containing both prebiotic and probiotic is called as?   1.5   CO2     a. Prebiotic   b. Symbiotic   c. Probiotic   1.5   CO1     d. Postbiotic   c. Probiotic   1.5   CO1     d. Postbiotic   d. Postbiotic   CO1   1.5   CO2     a. Apples   b. Chicken breast   C. Whole wheat bread   1.5   CO1     d. Yogurt   1.5   CO2   CO2   A. Foods that nourish beneficial gut bacteria   1.5   CO2     Q4   Prebiotics are best described as?   1.5   CO2   CO2   A. Killing harmful bacteria in the gut   1.5   CO2     Q5   What is the primary role of prebiotics in the gut?   1.5   CO2   CO2   A. Killing harmful bacteria   CO2   CO2   A. Killing harmful bacteria   CO2   CO2   CO2   CO2   CO3   CO3   CO4   CO4   CO4	0.1			
a.   Nutrients essential for digestion     b.   Harmful microorganisms in the gut     c.   Live microorganisms that provide health benefits     d.   Non-digestible fibres in the diet     Q 2   A substance containing both prebiotic and probiotic is called as?   1.5     a.   Prebiotic     b.   Symbiotic     c.   Probiotic     d.   Postbiotic     d.   Postbiotic     d.   Postbiotic     g.   Prebiotics are best described as?     a.   Apples     b.   Chicken breast     c.   Whole wheat bread     d.   Yogurt     Q 4   Prebiotics are best described as?     a.   Foods that nourish beneficial gut bacteria     b.   Digestive enzymes     c.   Harmful bacteria in the gut     d.   Probiotic supplements     Q 5   What is the primary role of prebiotics in the gut?     d.   Preventing nutrient absorption     Q 6   Which of the following is an example of the best probiotic strain?     a.   Chicory root     b.	QI	What are problotics?	1.5	COI
0.   Hammu microorganisms in the gut     c.   Live microorganisms that provide health benefits     d.   Non-digestible fibres in the diet     Q 2   A substance containing both prebiotic and probiotic is called as?   1.5     a.   Prebiotic     b.   Symbiotic     c.   Probiotic     d.   Postbiotic     d.   Postbiotic     d.   Postbiotic     g 3   Which of the following foods is a good source of probiotics?     a.   Apples     b.   Chicken breast     c.   Whole wheat bread     d.   Yogurt     Q 4   Prebiotics are best described as?     a.   Foods that nourish beneficial gut bacteria     b.   Digestive enzymes     c.   Harmful bacteria in the gut     d.   Probiotic supplements     Q 5   What is the primary role of prebiotics in the gut?     a.   Killing harmful bacteria     b.   Nourishing beneficial gut bacteria     c.   Preventing nutrient absorption     Q 6   Which of the following is an example of the best probiotic strain? </th <th></th> <th>a. Nutrients essential for digestion b. Hermful microorganisms in the gut</th> <th></th> <th></th>		a. Nutrients essential for digestion b. Hermful microorganisms in the gut		
d. Non-digestible fibres in the diet     Q 2   A substance containing both prebiotic and probiotic is called as?   1.5   CO2     a. Prebiotic   b. Symbiotic   c. Probiotic   1.5   CO2     Q 3   Which of the following foods is a good source of probiotics?   1.5   CO1     a. Apples   b. Chicken breast   c. Whole wheat bread   1.5   CO2     Q 4   Prebiotics are best described as?   1.5   CO2     a. Foods that nourish beneficial gut bacteria   b. Digestive enzymes   c. Harmful bacteria in the gut   1.5   CO2     Q 5   What is the primary role of prebiotics in the gut?   1.5   CO2     a. Killing harmful bacteria   b. Nourishing beneficial gut bacteria   CO2     b. Nourishing beneficial gut bacteria   c. Providing energy for the host   1.5   CO2     Q 6   Which of the following is an example of the best probiotic strain?   1.5   CO4		b. Harmur microorganisms that provide health benefits		
Q 2   A substance containing both prebiotic and probiotic is called as?   1.5   CO2     a. Prebiotic   b. Symbiotic   c.   Probiotic   1.5   CO2     Q 3   Which of the following foods is a good source of probiotics?   1.5   CO1   CO1     a. Apples   b. Chicken breast   c.   Whole wheat bread   CO2     d. Yogurt   Q 4   Prebiotics are best described as?   1.5   CO2     Q 4   Prebiotics are best described as?   1.5   CO2     a. Foods that nourish beneficial gut bacteria   Digestive enzymes   C.   Harmful bacteria in the gut     d. Probiotic supplements   Q 5   What is the primary role of prebiotics in the gut?   1.5   CO2     a. Killing harmful bacteria   b. Nourishing beneficial gut bacteria   CO2   CO2     a. Killing harmful bacteria   c. Providing energy for the host   1.5   CO2     d. Preventing nutrient absorption   Q 6   Which of the following is an example of the best probiotic strain?   1.5   CO4		d Non-digestible fibres in the diet		
a. Prebiotic   a. Prebiotic   b. Symbiotic     b. Symbiotic   c. Probiotic   c. Probiotic     c. Probiotic   d. Postbiotic   c. Probiotics?     a. Apples   b. Chicken breast   c. Whole wheat bread     c. Whole wheat bread   d. Yogurt   c. Whole wheat bread     d. Yogurt   c. Whole wheat bread   c. Whole wheat bread     d. Yogurt   c. Whole wheat bread   c. Whole wheat bread     d. Yogurt   c. Whole wheat bread   c. CO2     a. Foods that nourish beneficial gut bacteria   b. Digestive enzymes   c. Harmful bacteria in the gut     d. Probiotic supplements   c. Harmful bacteria   c. CO2     Q 5   What is the primary role of prebiotics in the gut?   1.5   CO2     a. Killing harmful bacteria   b. Nourishing beneficial gut bacteria   c. Providing energy for the host   c. Providing energy for the host     d. Preventing nutrient absorption   c. CO4   a. Chicory root   b. Beetroot   1.5   CO4	02	A substance containing both prebiotic and probiotic is called as ?	1.5	CO2
b.   Symbiotic     c.   Probiotic     d.   Postbiotic     Q3   Which of the following foods is a good source of probiotics?   1.5     a.   Apples     b.   Chicken breast     c.   Whole wheat bread     d.   Yogurt     Q4   Prebiotics are best described as?     a.   Foods that nourish beneficial gut bacteria     b.   Digestive enzymes     c.   Harmful bacteria in the gut     d.   Probiotic supplements     Q5   What is the primary role of prebiotics in the gut?     a.   Killing harmful bacteria     b.   Nourishing beneficial gut bacteria     c.   Providing energy for the host     d.   Preventing nutrient absorption     Q6   Which of the following is an example of the best probiotic strain?     a.   Chicory root     b.   Beetroot	<b>V</b> <sup>2</sup>	a Prebiotic	1.0	002
c.   Probiotic     d.   Postbiotic     Q 3   Which of the following foods is a good source of probiotics?   1.5     a.   Apples     b.   Chicken breast     c.   Whole wheat bread     d.   Yogurt     Q 4   Prebiotics are best described as?     a.   Foods that nourish beneficial gut bacteria     b.   Digestive enzymes     c.   Harmful bacteria in the gut     d.   Probiotic supplements     Q 5   What is the primary role of prebiotics in the gut?     a.   Killing harmful bacteria     b.   Nourishing beneficial gut bacteria     c.   Providing energy for the host     d.   Preventing nutrient absorption     Q 6   Which of the following is an example of the best probiotic strain?     a.   Chicory root     b.   Beetroot		b. Symbiotic		
d. PostbioticCO1Q 3Which of the following foods is a good source of probiotics?1.5CO1a. Applesb. Chicken breastc. Whole wheat bread6d. YogurtCO21.5CO2Q 4Prebiotics are best described as?1.5CO2a. Foods that nourish beneficial gut bacteriab. Digestive enzymes1.5CO2c. Harmful bacteria in the gutd. Probiotic supplements1.5CO2Q 5What is the primary role of prebiotics in the gut?1.5CO2a. Killing harmful bacteriab. Nourishing beneficial gut bacteria1.5CO2a. Killing harmful bacteriab. Nourishing beneficial gut bacteria1.5CO2a. Killing harmful bacteriab. Nourishing beneficial gut bacteria1.5CO2a. Killing harmful bacteriab. Nourishing beneficial gut bacteria1.5CO2b. Nourishing beneficial gut bacteriac. Providing energy for the host1.5CO4d. Preventing nutrient absorption1.5CO41.5CO4b. Beetrootb. Beetrootb. Beetroot1.5CO4		c. Probiotic		
Q 3Which of the following foods is a good source of probiotics?1.5CO1a. Apples b. Chicken breast c. Whole wheat bread d. Yogurt1.5CO2Q 4Prebiotics are best described as? a. Foods that nourish beneficial gut bacteria b. Digestive enzymes c. Harmful bacteria in the gut d. Probiotic supplements1.5CO2Q 5What is the primary role of prebiotics in the gut? a. Killing harmful bacteria b. Nourishing beneficial gut bacteria c. Providing energy for the host d. Preventing nutrient absorption1.5CO2Q 6Which of the following is an example of the best probiotic strain? a. Chicory root b. Beetroot1.5CO4		d. Postbiotic		
a. Apples   b. Chicken breast     b. Chicken breast   c. Whole wheat bread     d. Yogurt   1.5     Q4   Prebiotics are best described as?     a. Foods that nourish beneficial gut bacteria   1.5     b. Digestive enzymes   1.5     c. Harmful bacteria in the gut   1.5     d. Probiotic supplements   0     Q5   What is the primary role of prebiotics in the gut?     a. Killing harmful bacteria   1.5     b. Nourishing beneficial gut bacteria   0     c. Providing energy for the host   1.5     d. Preventing nutrient absorption   0     Q6   Which of the following is an example of the best probiotic strain?     a. Chicory root   b. Beetroot	Q 3	Which of the following foods is a good source of probiotics?	1.5	CO1
b. Chicken breast c. Whole wheat bread d. Yogurt1.5Q4Prebiotics are best described as? a. Foods that nourish beneficial gut bacteria b. Digestive enzymes c. Harmful bacteria in the gut d. Probiotic supplements1.5Q5What is the primary role of prebiotics in the gut? a. Killing harmful bacteria b. Nourishing beneficial gut bacteria c. Providing energy for the host d. Preventing nutrient absorption1.5Q6Which of the following is an example of the best probiotic strain? a. Chicory root b. Beetroot1.5CO4		a. Apples		
c. Whole wheat bread d. Yogurt?Q4Prebiotics are best described as? a. Foods that nourish beneficial gut bacteria b. Digestive enzymes c. Harmful bacteria in the gut d. Probiotic supplements1.5Q5What is the primary role of prebiotics in the gut? a. Killing harmful bacteria b. Nourishing beneficial gut bacteria c. Providing energy for the host d. Preventing nutrient absorption1.5Q6Which of the following is an example of the best probiotic strain? b. Beetroot1.5CO2		b. Chicken breast		
d. YogurtImage: Constraint of the problemQ4Prebiotics are best described as? a. Foods that nourish beneficial gut bacteria b. Digestive enzymes c. Harmful bacteria in the gut d. Probiotic supplements1.5CO2Q5What is the primary role of prebiotics in the gut? a. Killing harmful bacteria b. Nourishing beneficial gut bacteria c. Providing energy for the host d. Preventing nutrient absorption1.5CO2Q6Which of the following is an example of the best probiotic strain? b. Beetroot1.5CO4		c. Whole wheat bread		
Q 4Prebiotics are best described as?1.5CO2a. Foods that nourish beneficial gut bacteriab. Digestive enzymesc.b. Digestive enzymesc. Harmful bacteria in the gutd.d. Probiotic supplementsd.Probiotic supplementsQ 5What is the primary role of prebiotics in the gut?1.5a. Killing harmful bacteriab. Nourishing beneficial gut bacteriac. Providing energy for the hostd. Preventing nutrient absorptiond.Preventing nutrient absorptionQ 6Which of the following is an example of the best probiotic strain?1.5a. Chicory rootb. BeetrootLot with a block till		d. Yogurt		
a. Foods that nourish beneficial gut bacteria     b. Digestive enzymes     c. Harmful bacteria in the gut     d. Probiotic supplements     Q 5     What is the primary role of prebiotics in the gut?     a. Killing harmful bacteria     b. Nourishing beneficial gut bacteria     c. Providing energy for the host     d. Preventing nutrient absorption     Q 6     Which of the following is an example of the best probiotic strain?     a. Chicory root     b. Beetroot	Q 4	Prebiotics are best described as?	1.5	CO2
b. Digestive enzymes   .     c. Harmful bacteria in the gut   .     d. Probiotic supplements   .     Q 5   What is the primary role of prebiotics in the gut?   1.5     a. Killing harmful bacteria   .     b. Nourishing beneficial gut bacteria   .     c. Providing energy for the host   .     d. Preventing nutrient absorption   .     Q 6   Which of the following is an example of the best probiotic strain?   1.5     c. Chicory root   .     b. Beetroot   .		a. Foods that nourish beneficial gut bacteria		
c.   Harmful bacteria in the gut     d.   Probiotic supplements     Q 5   What is the primary role of prebiotics in the gut?     a.   Killing harmful bacteria     b.   Nourishing beneficial gut bacteria     c.   Providing energy for the host     d.   Preventing nutrient absorption     Q 6   Which of the following is an example of the best probiotic strain?     a.   Chicory root     b.   Beetroot		b. Digestive enzymes		
d.   Problotic supplements     Q 5   What is the primary role of prebiotics in the gut?   1.5     a.   Killing harmful bacteria   1.5     b.   Nourishing beneficial gut bacteria   1.5     c.   Providing energy for the host   1.5     d.   Preventing nutrient absorption   1.5     Q 6   Which of the following is an example of the best probiotic strain?   1.5     a.   Chicory root   1.5     b.   Beetroot   1.5		c. Harmful bacteria in the gut		
Q 5   What is the primary role of prebiotics in the gut?   1.5   CO2     a. Killing harmful bacteria   b. Nourishing beneficial gut bacteria   1.5   CO2     b. Nourishing beneficial gut bacteria   c. Providing energy for the host   1.5   CO2     d. Preventing nutrient absorption   1.5   CO4     a. Chicory root   b. Beetroot   1.5   CO4	0.5	d. Problotic supplements	1.5	
a. Kning namul bacteria     b. Nourishing beneficial gut bacteria     c. Providing energy for the host     d. Preventing nutrient absorption     Q 6     Which of the following is an example of the best probiotic strain?     a. Chicory root     b. Beetroot	Ų۶	what is the primary role of prediotics in the gut?	1.5	02
c.   Providing energy for the host     d.   Preventing nutrient absorption     Q 6   Which of the following is an example of the best probiotic strain?     a.   Chicory root     b.   Beetroot		a. Nilling harmful bacteria b Nourishing baneficial gut bacteria		
d. Preventing nutrient absorption     Q 6     Which of the following is an example of the best probiotic strain?     a. Chicory root     b. Beetroot		c Providing energy for the bost		
Q 6 Which of the following is an example of the best probiotic strain? 1.5 CO4 a. Chicory root b. Beetroot		d Preventing nutrient absorption		
a. Chicory root b. Beetroot	0.6	Which of the following is an example of the best probiotic strain?	1.5	CO4
b. Beetroot	×Υ	a. Chicory root	1.0	
		b. Beetroot		
c. Lactobacillus acidophilus		c. Lactobacillus acidophilus		

Consuming both probiotics and prebiotics together is sometimes referred to as....?

	a. Antibiotics		
	b. Prebiotic supplementation		
	c. Probiotic synergy		
	d. Synbiotics		
Q 8	What is the essential source of prebiotics in a diet?	1.5	CO3
	a. Animal products		
	b. Fruits and vegetables		
	c. Processed foods		
	d. Sugary snacks		
Q 9	Which of the following is a potential health benefit of probiotics and	1.5	CO1
-	prebiotics?		
	a. Enhancing nutrient absorption		
	b. Causing allergies		
	c. Promoting gut dysbiosis		
	d. Weakening the immune system		
O 10	How do probiotics predominantly function in the gut?	1.5	CO4
C	a. By breaking down complex carbohydrates		
	b. By providing nourishment to beneficial bacteria		
	c. By acting as enzymes for digestion		
	d. By suppressing the immune system		
0 11	Which prebiotic compound is commonly found in foods like onions.	1.5	CO2
Ľ	and garlic?		
	a. Inulin		
	b. Saccharin		
	c. Sorbitol		
	d. Xvlitol		
0 12	Probiotics are often recommended to improve gastrointestinal	1.5	CO2
	conditions?		
	a. Celiac disease		
	b. Hypertension		
	c. Lactose intolerance		
	d. Migraines		
Q 13	How may probiotics help regulate the immune response?	1.5	CO3
	a. By increasing inflammation		
	b. By suppressing immune cell activity		
	c. By reducing inflammation		
	d. By promoting allergies		
Q 14	Name a part of the body where probiotics produce antimicrobial	1.5	CO2
	substances that inhibit the growth of harmful bacteria?		
	a. Gut		
	b. Lungs		
	c. Liver		
	d. Skin		
Q 15	In addition to probiotics, what other lifestyle factors are important	1.5	CO1
_	for supporting immune health?		
	a. Isolation from all potential pathogens		
	b. High doses of antibiotics		
	c. Regular exercise, adequate sleep, and a balanced diet		
	d. None		

Q 16	Is essential to link a strain to a specific health	1.5	CO2	
	effect as well as to enable accurate surveillance and epidemiological			
	a Cyst identity			
	h Dead cell identity			
	c. Strain identity			
	d. Stain identity			
Q 17	Prebiotics are the nutrients that bacteria use as a fuel source, and	1.5	CO2	
-	these include dietary fibre and?			
Q 18	Probiotics are used as?	1.5	CO3	
	a. For disease prevention			
	b. For good health			
	c. Antiviral activity			
	d. All of the above			
Q 19	The term probiotics comes from the Greek word "pro" and "bios"	1.5	CO4	
	meaning?			
	a. For life			
	b. First life			
	d None of the above			
0.20	Prohiotics are harmless to promote the health of other	15	C01	
Q 20	organisms?	1.5	cor	
	Section B			
	(4Qx5M=20 Marks)			
Q 1	Justify whether probiotics are only useful for gut health issue or not?	5	CO2	
Q 2	Why is taking prebiotics more important than taking probiotics?	5	CO1	
Q 3	What is fiber? and why is it important for health?	5	CO3	
Q 4	How and in what way do the different composites formed in the	5	CO4	
	intestine go to the brain?			
	Section C (20x15M-30 Marks)			
01	Are natural prohiotics in food better than prohiotic supplements?	15	C01	
V I	Should we take them preventively? Can microbes influence food	10	001	
	choices and appetite? Do low dose antibiotics in food affect human			
	health?			
Q 2	What does the gut microbiota do? Is the effect of pesticides in food	15	CO2	
	on the gut microbiome? Is organic food better for the gut			
	microbiota? Should all new drugs and food chemicals be tested on			
	the gut microbiota?			
Section D				
(2Qx10M=20 Marks)				
Q 1	Describe the important steps in the probiotics manufacturing	10	CO3	
	process in the laboratory? Which step is crucial and influence the			
	viability and applicability of problotic species?	10		
Q2	what are the beneficial effects of problotics on human health? Do	10	CO4	
	productics have any side effects on humans?			