		[Time: 2 Hours]	[Marks:40]
		Please check whether you have got the right question paper. N.B: 1. All questions are compulsory.	
Q.1		Answer the following:	12
	i)	What are functional foods? Give examples.	
	ii)	Give limitations of nutraceuticals (any 2)	
	iii)	Give the source & structure of Resveratrol.	
	iv)	Name one marketed preparation and the therapeutic uses of Curcumin.	
	v)	State the role of tocopherol as nutraceuticals.	
	vi)	Write the occurrence and use of Glutathione.	
	vii)	Give the structure and recommended does of Astaxanthin.	
	viii)	Name any 2 processing challenges for liquid oral dosage forms.	
	ix)	Give one examples of food-nutraceutical interaction.	
	x)	Give any one adverse effect of nutraceutical with suitable examples.	
	xi)	What does FPO stand for?	
	xii)	Write a pharmacoepial specification for nutraceuticals.	
Q.2	i)	Write a note on nutrition and aging.	04
	ii)	Write a note on labeling of nutraceuticals.	03
Q.3	i)	Discuss adulteration of nutraceuticals.	04
	ii)	Discuss marine nutraceuticals.	03
Q.4	i) (Comment on AGMARK regulatory aspects for nutraceuticals.	04
	ii)	Write a note on flax Lignans.	03
Q.5	i)	Discuss the challenges involved in extraction and concentration of nutraceutica constituents.	al 04
	ii)	Write a note on the occurrence and role of prebiotics and probiotics.	03
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