BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI (END SEMESTER EXAMINATION)

CLASS:	IMSC	SEMESTER : VIII	
BRANCH	FOOD TECHNOLOGY	SESSION: SP/19	
TIME:	SUBJECT: SAF2001 CEREAL PULSES AND OIL SEEDS TECHNOLOGY 3.00 Hrs	FULL MARKS: 60	
 Cand The r Before 	CTIONS: question paper contains 7 questions each of 12 marks and total 84 marks. idates may attempt any 5 questions maximum of 60 marks. nissing data, if any, may be assumed suitably. re attempting the question paper, be sure that you have got the correct question ps/Data hand book/Graph paper etc. to be supplied to the candidates in the exami		
Q.1(a) Q.1(b)	Write about 'oilseed production in India' and give a brief on the Vision for Agriculture in 2020 A.D. Draw a neat and clean structure of Rice grain; write about structural composition and the useful parts of the grain?		[6] [6]
Q.2(a) Q.2(b)	Explain Wheat milling process with the help of a neat flow diagram? Write about the 'Flour Blending' and Additives to Improve Functional Properties?		[6] [6]
Q.3(a) Q.3(b)	What are the reason and aims of development of puffed product from cereals? Desce manufacturing of Puffed rice. Write about Brown Rice, RPC and Germinated Brown Rice.	ribe the process of	[6] [6]
Q.4(a) Q.4(b)	Define the terms 'Primary Processing', 'Secondary Processing' and 'Tertiary Processing' of Pulses, and write a brief note on 'Pulses Processing'. Describe the wet milling process of Corn and write about Hydrothermal treatment / conditioning of Corn.		[6] [6]
Q.5(a) Q.5(b)	What do you mean by Vegetable Oils? Give the average oil content(%) of followings- (1) Groundnut, (2) Sunflower, (3) Mustard, (4) Castor, (5) Coconut and (6) Rice Bran Explain the process of Soy milk preparation.		[6] [6]
Q.6(a) Q.6(b)	Explain the importance of oilseeds in human diet. How pre - treatments help in oil extraction? What do you understand by mechanical oil expulsion? Explain the press type oil expellers.		[6] [6]
Q.7(a) Q.7(b)	Differentiate between Cold Extrusion and Hot Extrusion and why it is important in food industry. What do we mean by novel foods? What are FSSAI Regulations and norms for Novel foods?		[6] [6]

:::::22/04/2019 M:::::