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<b>D</b> 30077	(Pages 2)	Name
		Reg. No
FIFTH SEMESTER B.Sc.	DEGREE EXAM	IINATION, OCTOBER 2012
	(CCSS)	
BT 5D 01—FOOD MI	CROBIOLOGY AN	ID BIOTECHNOLOGY
Time: Three Hours		Maximum: 30 Weightage
I. Objective Type Questions. Answ	er all questions:	
Match the following:-		
1 Blue-veined cheese	(a) Propionil	bacterium shermanii.
2 Swiss cheese	(b) Rhodotor	rula.
3 Green rot in egg	(c) Penicilliu	ım roque <b>fortii</b> .
4 Thermoduric bacteria	(d) Pseudome	onas fluorescens.
5 Pink yeast	(e) Clostridii	um butyricum.
6 Can swells, butric odor	(f) Saccharo	myces c <b>erevisi</b> ae.
7 Baker's yeast	(g) Micrococc	cus luteu <b>m</b> .
woose the correct answer:		
8 Pasteurization exposes liquid	ls for 30 minutes to a	a holding temperature of:
(a) 62.8°C.	(b) 62.5°C	C.
(c) 63.8°C.	(d) 61.8°C	C.
9 Black rots in eggs is caused	by:	
(a) Pseudomonas.	(b) Prote	eus.
(c) Acetobacter.	(d) Alcal	ligenes.
10 The most radioresistant orga	anism of importance t	to food technologist :
(a) C.botulinum.	(b) <i>P.Vui</i>	lgaris.

(d) Leuconostoc.

(b) Ang-khak.

(d) Natto.

(c) E.Coli.

11 Chinese red rice is:

(a) Miso.

(c) Tempeh.

12 Fishir	iess in	butter	18	caused	by:	
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(a) A.hydrophila.

- (b) Pseudomonas fragi.
- (c) Fusarium culmorum.
- (d) Alternaria.

 $(12 \times \frac{1}{4}) = 3 \text{ weighta}$ 

- II. Short Answer type questions. Answer all nine questions:
  - 13 Regulatory mutants.
  - 14 Invertase.
  - 15 Baker's yeast.
  - 16 Pruteen.
  - 17 Enzymes in meat processing.
  - 18 Kumiss.
  - 19 Sauerkraut.
  - 20 Tofu.
  - 21 Salting.

 $(9 \times 1 = 9 \text{ weights})$ 

- III. Short essay or paragraph questions. Answer any five questions:
  - 22 SCP.
  - 23 Food additives.
  - 24 Distilled beverages.
  - 25 Cheese manufacture process.
  - 26 Fats from microbes.
  - 27 Pasteurization.
  - 28 Orleans' process.

 $(5 \times 2 = 10 \text{ v})$ 

- IV. Essay questions. Answer any two out of 3:
  - 29 Give an account on the types of food spoilage.
  - 30 Discuss food preservation by drying.
  - 31 Give an account of the yeasts and molds which are important in the food indust

 $(2 \times 4 =$