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B.Sc. (Semester - VI) (New) (CBCS) Examination Oct/Nov-2019

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	(QU,	ALITY STANDARD PRACT	_	•
-			iday, 11-10-2019 /I To 10:30 AM		Max. Marks: 70
Instr	uctior	2) All questions are compulsory. 2) Figures to the right indicate full 3) Draw neat labeled diagrams wh		
Q.1	Fill in	Co 24: a)	e blanks by choosing correct a liforms that produce acid and gas £2h are specific indicators of feca Coliforms Faecal streptococci	from	lactose at 44.5±0.2°C within
	2)	cor a)	per Bureau of Indian Standard (E tain number of aerobic n 80 CFU/ml 40 CFU/ml		•
	3)	a)	nking water should contain 0.2 0.7	mg b) d)	/ml of residual free chlorine. 0.5 0.9
	4)	a)	is a food made from the pre t and semi-liquid in texture. Whey Yoghurt	ssed (b) d)	curds of milk, firm and elastic or Butter Cheese
	5)	a)	is a dairy product obtained but diing. Flavored milk Curd	b) d)	agulating milk in a process of Cheese lce cream
	6)		thods of Making Sanitation Rating vaccine cell line		
	7)	lev	e hazard can be either prevented els by using Critical Control Points (CCPs) BS 5750	, elimi b) d)	inated, or reduced to acceptable BIS ISO 9000
	8)	aris a)	is a written document that list to complete a job task or how to ses in the workplace. DMC CCP		e instructions, step-by-step, on dle a specific situation when it GHP SOP
	9)	Ha:	zard Analysis and Critical Control GHP GMP	b) d)	t (HACCP) systems will possess SOP all of these

	10)	 If one material delivery is made up of different batches: a) Each batch must be considered as separate for sampling. b) random batch must be considered as separate for sampling c) any one batch must be considered as separate for sampling d) alternative batch must be considered as separate for sampling 				
	11)	are the sterile pharmaceutical product. a) tablet b) Injectable c) Capsule d) Syrup				
	12)	is the biological product. a) IL-2 b) Insulin c) anti snake venom d) all of these				
	13)	DNA bar-coding identifies a) species b) genus c) family d) order				
	14)	Continuous cell lines are a) anchorage independent b) makes multilayer c) grows for infinite time d) all of these				
Q.2	A)	Define and explain any four of the following. 1) Pathogens 2) Thermoduric spore count 3) Quality Manual 4) Clinical trials 5) Class II Biosafety	08			
	B)	Write notes. (Any Two) 1) Fecal indicator bacteria 2) ISO 3) Manufacture of herbal medicines	06			
Q.3	A)	 Answer the following questions. (Any Two) 1) Give brief introduction of milk standards. 2) Explain in brief Good Hygienic Practices. 3) Describe GMP for Pharmaceutical products. 				
	B)	 Answer the following questions. (Any One) Write a note on cell banking principle and its importance. Explain in detail quality standards of packaged drinking water. 	06			
Q.4	A)	 Answer the following questions. (Any Two) 1) Take an account of various testing methods adopt in dairy products. 2) Explain in detail GMP of biological products. 3) Describe conventional and modern cell characterization methods. 	10			
	B)	 Answer the following questions. (Any One) 1) Explain microbial contaminants and potential biohazards. 2) Define and explain any two dairy products. 	04			
Q.5	Ans a) b) c)	wer the following questions. (Any Two) Explain in detail HACCP Food safety Management Systems. Describe in detail Chemical hazards in drinking-water. Write an essay on water treatment methods.	14			