

B

SCHEME OF EXAMINATION FOR THE POSTS OF FOOD SAFETY OFFICER.

SL. No.	Details	Number of Questions	Marks per question	Total marks	Duration/ timing for all candidates
1.	Food Science & Food Safety				02 hours 10:00 AM to 12 Noon (No entry after 09:30 AM) and 02:00 PM to 04:00 PM (No entry after 01:30 PM)
	a. Indian and International Food Laws (An Overview)	20	02	40	
	b. Principles of Food Preservation, Processing and Packaging	20	02	40	
	c. Principles and Basics of Food Chemistry and their role in Human Nutrition	20	02	40	
	d. Food Microbiology & General Principles of Food Hygiene	20	02	40	
2	General Intelligences and Reasoning	10	02	20	
3.	General Awareness	10	02	20	
4.	Total	100	-	200	
5.	Marks for each correct answer	02			
6.	Marks for each wrong answer	(-)0.25			
7.	Marks for un-attempted	0			


 Designated Officer (FS)
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 South Andaman District

- c. Principles and Basics of Food Chemistry and their role in Human Nutrition (40 marks)**
1. Structure and functions of macro and micronutrients
 2. Role of macro and micronutrients in human nutrition
 3. Over view of food additives with respect to their technological functions
 4. Over view of anti-nutritional factors and their removal from foods
 5. Over view of enzymes as food processing aids
 6. Over view of nutraceuticals and functional foods
 7. Overview of food contaminants, adulterants and their effects on human health
 8. Food allergens and allergenicity
 9. Importance of diet in alleviating health risks, especially non communicable diseases
- d. Food Microbiology & General Principles of Food Hygiene (40 marks)**
1. General principles of food micro-biology and over view of food borne pathogens
 2. Over view of sources of micro-organisms in food chain (raw materials, water, air, equipment etc.) and microbiological quality of foods
 3. Microbial food spoilage and Food borne diseases
 4. General principles and techniques in micro-biological examination of foods
 5. Overview of beneficial micro-organisms and their role in food processing and human nutrition
 6. General principles of food safety management systems including traceability and recall – sanitation, Hazard Analysis & Critical Control Point (HACCP), Good production and processing practices (Good Manufacturing Practices(GMP), Good Agriculture Practices(GAP), Good Hygiene Practices(GHP), Good Laboratory Practices(GLP), Best Aquaculture Practices(BAP) etc)

SYLLABUS FOR EXAMINATION FOR FOOD SAFETY OFFICER,
A&N ADMINISTRATION

1. Food Science & Food Safety

a. Indian and International Food Laws (An Overview)

(40 marks)

1. Food Safety and Standards Act, 2006, Provisions, definitions and different sections of the Act and its implementation
2. Food Safety and Standards Rules, 2011 and Regulations made there under.
3. Overview of other relevant national bodies (e.g. Agriculture & Processed Food products export development authority (APEDA), Bureau of Indian Standards, Export Inspection Council, Marine products export development authority (MPEDA), Spices Board etc.)
4. International Food Control Systems/Laws, Regulations and Standards/Guidelines with regard to Food Safety– (i) Overview of CODEX Alimentarius Commission (History, Members, Standard setting and Advisory mechanisms: Joint FAO/WHO Expert Committee on Food Additives (JECFA), Joint FAO/WHO Expert Meetings on Microbiological Risk Assessment (JEMRA), Joint Meeting on Pesticide Residues (JMPR): World Trade Organization agreements (Sanitary and Phyto-sanitary/ Technical Barrier Treaty).
5. Important national and international accreditation bodies

b. Principles of Food Preservation, Processing and Packaging

(40 marks)

1. Food Processing Operations, Principles, Good Manufacturing Practices
2. Overview of food preservation methods and their underlying principles including novel and emerging methods/principles
3. Overview of food packaging methods and principles including novel packaging materials/techniques

Cont. 2

2. General Intelligences and Reasoning**(20 marks)**

It would include questions of both verbal and Non-verbal type. The test will include questions on analogies, similarities and difference, space visualization, problem solving analysis, judgment, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning, verbal and figure classification, arithmetical number series, non-verbal series etc. The test will also include questions designed to test the candidate's abilities to deal with abstract ideas and symbols and their relationship, arithmetical computations and other analytical functions. The question in clerical aptitude will be set to test the candidate's perceptual accuracy and aptitude. This is the ability to notice similarities and difference between pairs of names and numbers. This will also assess in addition to perceptual accuracy and aptitude, ability to handle office routine work like, abbreviating, Indexing etc.

3. General Awareness**(20 marks)**

Questions will be designed to test the ability of the candidates, general awareness of the environment around him and its application to society. Questions will also be designed to test the knowledge of current events, observation/experienced and elementary knowledge of computers. The test will also include questions relating to India and its neighboring Countries especially pertaining to History, Culture, Sports, Geography, Economic, Science, General Politic and Scientific research.


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 दक्षिण अण्डमान जिला
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