(107)輔仁大學轉學生招生考試試題

本試題共2頁(本頁為第1頁)

į	科目:	食品科學概論	系所組:食品科學系	年級:二
I.	單選	題(共 25 題, 每題 3 分, 共 75	分),請依序填答	
1.	(A) d	n could <u>not</u> be an example of a processed dried pineapple slices (B) fresh peas g (E) frozen microwave scrambled eg	(C) bottled pickled herring (D) fe	
2.	(A) mi	is not a group from the Food Guide Prilk, yogurt, cheese (B) food ingredien, rice, and pasta		D) fruit (E) bread,
3.		n is <u>not</u> a major mineral? alcium (B) iron (C) potassium (D) sulfur (E) sodium	
4.		ciency of energy or nutrients is called ency (D) undernutrition (E) malnutr		g (C) secondary
5.		eutralization of an acid by a base is most ration (B) polymerization (C) conde		ion
6.		OOH is the chemical formula for setic acid (B) propionic acid (C) lac	tic acid (D) malic acid (E) fumar	ric acid
7.		the following are monosaccharides exclucose (B) fructose (C) dextrose (
8.		commercial manufacture of sugar, which aramelization (B) gelatinization (C)	Figure Control Contro	crystallization
9.		the following are functional properties elation (B) water binding (C) thicke		E) fat replacement
10.	(A) M	choice does <u>not</u> belong with the other? Maillard reaction (B) nonenzymatic bragement, polymerization (E) reducing	owning (C) caramelization (D) of	=
11.		the following are lipid functional properation (B) heat transfer (C) gelation		
12.		mmercial of oils is didation (B) hydrogenation (C) hydr		
13.		processing step is regulated as a food a uning (B) irradiation (C) extruding		
	(A) pec	examples of stabilizers or thickeners extin (B) starch (C) guar gum (D) g. 考生須在「彌封答案卷」上作答。	gelatin (E) glucose	
	2.	. 考生須在「彌封答案卷」上作答。 . 本試題紙空白部份可當稿紙使用,試題須 老生於作签時可不使用計質機、注曲、字	隨答案卷繳回。	With a second se

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考試日期: 107年7月9日第二節本試題共2頁(本頁為第2頁)

科	目	:	食品	科	學概	論
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- 15. The conversion of raw animal and plant tissue into forms that are convenient and practical to consume is called (A) food preservation (B) disintegration (C) food processing (D) food engineering (E) unit operation
- 16. Which is the <u>incorrect</u> pairing? (A) biological change, evaporation (B) biological change, presence of microbes (C) chemical change, lipid molecule oxidation (D) physical change, phase separation (E) physical change, moisture loss
- 17. Most bacteria cannot grow when the water activity is
 - (A) Above 0.7 (B) below 0.7 (C) 0.95 (D) above 1.0 (E) below 0.95
- 18. Spoilage microorganisms cause the shelf life of food to
 - (A) decrease (B) increase (C) remain unchanged (D) reverse itself (E) decreased then increase
- 19. D value written as D₁₂₁ indicate
 - (A) the specific temperature required to kill 90% of a population of organisms.
 - (B) that thermophilic spores are present at 121°C.
 - (C) the specific time required to kill 90% of a population of organisms heated to 121°C.
 - (D) the specific temperature (121°C) required to kill 100% of a population of organisms.
 - (E) the specific time (121 seconds) required to kill 90% of a population of organisms.
- 20. Fermentation causes the pH of foods to (A) increase (B) decrease (C) remain unchanged (D) increase until a certain point (E) increase then decrease
- 21. One of the three types of foodborne hazards is
 - (A) temperature (B) biological (C) time of cooking (D) raw meat (E) food handler
- 22. The danger zone of temperature lies between
 - (A) 40 and 140°C (B) 0 and 100°C (C) 40 and 140°F (D) 0 and 45°C (E) 4 and 140°C
- 23. Flavor combines all of the following except
 - (A)mouthfeel (B) odor (C) taste (D) residual sensations (E) appearance
- 24. Which process does <u>not</u> take place in the cooking of eggs? (A) denaturation, followed by coagulation (B) denaturation of egg white proteins (C) thickening of the egg white (D) denaturation of egg yolk lipids (E) reorganization of coagulated ovalbumin polypeptides
- 25. The yeast used in the making of bread is
 - (A) Saccharomyces (B) Actinomyces (C) Bradyomyces (D) Salmonella (E) Streptococcus

II. 問答題(共 2 題, 共 25 分)

- 1. Which do you think is a better indicator of the stability of a food to deterioration (its shelf life): water activity or moisture content? Why? (10 分)
- 2. Define food safety, and list the three types of hazards found in foods. (15 分)