SLR-HM-1	
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Set No.						Set	Ρ			
F	P.G. Diploma in Dietetics and Nutrition (Semester - I) (New) (CBCS) Examination: Oct/Nov-2022 Nutrition & Dietetics - I									
			nday, 20-02 To 02:00 P			Max. Marks	s: 80			
Instru	uctio	2)	Attempt an	and. 2 are compulsory by three questions from ight indicate full marks	n Q.	No. 3 to Q. No. 7				
Q.1	A)	Cho 1)	In which st	ation	and b) d)	develops to birth Pregnancy None	10			
		2)	a) Time	d rapid growth spurt o e of puberty It hood	bccurs b) d)	s in Old age All				
		3)	•	netric measurements is y parts n a,b	s use b) d)	ed to analyse. Physical growth Blood count				
		4)	The averag a) lg/dl c) 1.2g		breas b) d)	t milk of Indian woman is 2.1g/dl 3g/dl				
		5)	Mechanica a) Suga c) Salta		e fre b) d)	e of Fats Fibers				
		6)	a) Publ	ng and evaluate food lic health lt man		ce system is a role of Gram panchayat Dietitian				
		7)		ho are having BMI les nourished iety	s tha b) d)	n 19 are considered. Over nourished None				
		8)		ing is not possible, wh plements diet	nich f b) d)	eeding is given. Juices Tube feeding				
		9)	Osteoporos a) Old a c) Infar	•	n b) d)	Adolescent All				
		10)	a) Ragi	ble of cereal. i en gram	b) d)	Mango Wheat				

	B)	True or False Marks.	06
	-	 Green leafy vegetables are good source of proteins. 	
		a) True b) False	
		2) One gram carbohydrate provides 9 Kcal.	
		a) True b) False	
		3) For good health, consume fresh fruits and seasonal foods.	
		a) True b) False	
		 Whey water is the example of clear liquid diet. a) True b) False 	
		5) High residue diet is prescribed in constipation.	
		a) True b) False	
		6) exchange list is also know as balance diet.	
		a) True b) False	
Q.2	۸ne	wer the following.	16
Q.2	a)	Define reference man and reference women.	10
	∝, b)	Write about hospital diets.	
	c)	Write about physiological changes in pregnancy.	
	d)	Tiffin menus and its importance.	
Q.3	Ans	wer the following.	16
	a)	Write about food groups.	
	b)	guidelines of good health.	
Q.4	Δns	swer the following.	16
Q.4	a)	Brief about gastostomy and jejunectomy.	10
	b)	Responsibilities of a dietitian and code of ethics.	
Q.5	,	•	16
Q.5	ans a)	wer the following. What are the complication during pregnancy?	10
	a) b)	Write in brief about the nutritional need of a lactating women.	
• •	•		40
Q.6		wer the following. Write about the nutritional need and balance diet for an infant.	16
	a) b)		
	,	Importance of balance diet in adolescent age.	• -
Q.7		wer the following.	16
	a)	Write about exchange list system and bomb caloriemeter.	
	b)	brief about physiological changes in old age.	

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Seat No.							Set	Ρ	
Р	P.G. Diploma in Dietetics and Nutrition (Semester - I) (New) (CBCS) Examination: Oct/Nov-2022 Nutritional Biochemistry								
•			esday, 21-02 I To 02:00 P	2-2023	CHEI	instry	Max. Mark	s: 80	
Instru	ictio	2) Attempt an	nd 2 are compulsory. by three questions from ight indicate full marks		No. 3 to Q. No. 7			
Q.1	A)	Cho 1)		t alternative. (MCQ) of gastric juice is	 b) d)	7.4 1.8		10	
		2)	Passage o tissue fluid a) Osm	f water, salt, food stuf nosis ecules	,		to the		
		3)	, is a	n important constituer opes ne	,	•			
		4)	a) Colle	resent in tendons and egens ımins	l artei b) d)	ies. Elastins Electrolyte			
		5)	Sugar cont a) Aldo c) Isom		are k b) d)	nown as Ketose Acetic acid			
		6)	a) Glyc	lehydrogenase is an e colysis cycle y acids	enzym b) d)	ne of cycle. RNA cycle Citric acid cycle			
		7)	a	s are arranged in 2 lo ble helix elix	ng st b) d)	rands that forms spira Duel helix None of these	l called		
		8)	,	ries the correct ammir NA	,				
		9)		equired for purine bios amine cin	synthe b) d)	esis. Folic acid Mehtylcobalamine			
		10)	Brain cells source of e a) Fats c) Gluc	5	tely d b) d)	ependent on a Vitamins None	s the		

	B)		e true or false.			06				
		1)	Calcium mineral gives strength to a) True) enar b)	rei of teeth. False					
		2)	Vitamin A is an anti oxidant.	D)	Faise					
		2)	a) True	b)	False					
		3)	Zinc is the part of insulin.							
		~	/	b)	False					
		4)	Oxalic acid is the end product of g		-					
		_)	,	b)	False					
		5)	majoritily anerobic oxidation takes							
		6)	,	b)	False					
		6)	Pellegra is niacin deficiency disea a) True	b)	False					
Q.2	Δne	war th	he following.	,		16				
4.2	a) b) c)	Chara Draw Draw	acteristics of enzyme. the Glycolysis cycle. Urea cycle.			10				
	d)	Write	about vitamin C.							
Q.3	a)	Write	he following. about general body composition a in brief about filtration, diffusion,	about general body composition and factors affecting it.						
Q.4	a)	wer the following. Carbohydrate- its classification and nutritional aspect Write in brief about Calcium and Phosphorus.								
Q.5	a)									
Q.6	a) b)	Write Write	he following. about fatty acid synthesis and its about any two water soluble vitam ency.	•		16				
Q.7			he following. tion, sources and deficiency of fats	6.		16				

b) Crebs cycle and its importance.

Seat No.	t		Set P							
P.G. Diploma in Dietetics and Nutrition (Semester - I) (New) (CBCS) Examination: Oct/Nov-2022 Human Physiology										
			nesday, 22-02-2023 Max. Marks: 80 To 02:00 PM							
Instr	Instructions: 1) Q. Nos. 1 and. 2 are compulsory. 2) Attempt any three questions from Q. No. 3 to Q. No. 7 3) Figure to right indicates full marks.									
Q.1	A)	Cho 1)	se the correct alternative. (MCQ)10What is the ratio of WBC to RBC in the body?a) 1:60b) 1:600c) 1:6000d) 1:500							
		2)	Which of the following is responsible for the red colour of blood? a) Hemocyanin b) Myoglobin c) Haemoglobin d) Keratin							
		3)	Which body muscle can resist fatigue? a) Voluntary b) Striped c) Cardiac d) Smooth							
		4)	The life span of red blood cells is? a) 100 days b) 110 days c) 120 days d) 10 days							
		5)	Respiratory centre is located in? a) Cerebellum b) Medulla oblongata c) Cerebrum d) Trachea							
		6)	Night blindness and xerophthalmia are generally conditions associated vith the deficiency of which vitamin? a) Vitamin B b) Vitamin K c) Vitamin B2 d) Vitamin A							
		7)	Which of the following organelle is called 'Suicidal Bag'? a) Mitochondria b) Endoplasmic reticulum c) Lysosome d) Ribosome							
		8)	/iscosity of blood increases with rise in. a) Albumin b) Globulin c) Fibrinogen d) Prothrombin							
		9)	Who discovered blood groups? a) Galton b) Carl Linnaeus c) Edward Jenner d) Landsteiner							
		10)	Homeostasis means a) Control of internal environment of the body b) Adaptation with the environment c) Constant environment of the body d) All of the above							

	В)	 Fill in the blanks OR Write true/false. 1) Stomach epithelial cells in the body secrete 2) are functional units of food absorption. 3) Protein digestion occurs in 4) The blood pressure of a healthy human being is 5) Heparin is secreted by 6) Adrenaline is secreted by gland. 	06
Q.2	a) b)	swer the following. Types of tissues Plasma proteins Kidney functions pituitary gland hormones	16
Q.3	Ans a) b)	16	
Q.4	Ans a) b)	swer the following. Process of respiration Menstrual cycle	16
Q.5		swer the following. Functions of skin RBC development	16
Q.6	Ans a) b)	swer the following. Blood functions and composition Thyroid gland functions	16
Q.7	Ans a)	swer the following. Coagulation	16

b) Menopause symptoms

Set No.							Set	Ρ
P	P.G. Diploma in Dietetics and Nutrition (Semester - II) (New) (CBCS) Examination: Oct/Nov-2022 Nutrition and Dietetics- II							
			ursday, 23-0 To 02:00 P				Max. Marks	: 80
Instru	ictio	2) Attempt an	and. 2 are compulsory. ny three questions from G ight indicate full marks.	2. No	3 to Q. No. 7		
Q.1	A)	Cho 1)	Which Defi a) Iron	t alternative. (MCQ) iciency found in Pernicio min C	us Ar b) d)	aemia? Vitamin B12 Vitamin B6		10
		2)	a) Spin	ne following is very reach nach keera leaves	n sour b) d)	ce of iron? Gardencrees seed Drumstick leaves	b	
		3)	food? a) A ra	ne following factors are A te of ingestion d component	dfecti b) d)	ng Glycamic Respo Food form All of these	onse to	
		4)	prescribed a) Hype	es, low fat, Low sodium c in. ertension erweight	diet w b) d)	ith normal protein is Obesity atherosclerosis	5	
		5)	a) Typl	ne following is short term hoid erculosis	feve b) d)	r? Influenza a and b		
		6)	a) 1 gn b) 2 to c) 1.5 t	quirement during tubercu n/kg body weight 3.5 gm / kg body weight to 2 gm /kg body weight 1.5 gm/kg body weight	losis	for an adult is.		
		7)		a typhoid causes. Ienza aria	b) d)	Typhoid none of above		
		8)		avoid in Diabetes mellite losaccharides rch	es. b) d)	Fiber Pectin		
		9)	a) Pon	n) -100= Ideal weight is c deral index y mass Index	alled b) d)	as. broka's Index all of above		
		10)	a) Grad	ve 40 is called. de I obesity de III obesity	b) d)	Grade II obesity Overweight		

	В)	 Write true and false. DASH diet is important in Hypertension. Heart is a Storage house of Nutrient. Rickets is deficiency of a Vitamine D. Goitrogens substance that interfere with lodine metabolism. Non volatile acids excreted by kidneys called as ketosis. Salivary amylase helps indigestion of fat. 	06
Q.2	Ans a) b) c) d)	swer the following. Explain mechanism of Ulcer formation. Write down agent responsible for liver damage. Explain aetiology of DM. Write w a short note on glycemic index.	16
Q.3	Ans a) b)	swer the following. Explain Hypertension and its dietary management. Explain Acute Glomerular nephritis and its dietary management.	16
Q.4	Ans a) b)	swer the following. Explain pathophysiological changes in obesity. Explain dietary requirement during underweight with menu planning.	16
Q.5	Ans a) b)	swer the following. Write down type of anemia in detail. Dietary requirement in cancers condition.	16
Q.6	Ans a) b)	swer the following. Explain hospital diet and feeding technic. Explain causes and Symptoms Chronic Renal failure.	16
Q.7	Ans a) b)	swer the following. Explain DASH diet for hypertension. Explain metabolic changes in fever.	16

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Set No.				Set	Ρ
F	P.G.	Diplo	oma in Dietetics and Nutrition (Semester - II) (I Examination: Oct/Nov-2022	New) (CBCS)	
			Food Science and Food Microbiology		
			day, 24-02-2023 1 To 02:00 PM	Max. Marks	s: 80
Instr	uctio	2) Q. Nos. 1 and. 2 are compulsory.) Attempt any three questions from Q. No. 3 to Q. No. 7) Figure to right indicate full marks.		
Q.1	A)		oose correct alternative. (MCQ)		10
<u> </u>	,,	1)	Mix two or more ingredients completely that they lose th identities is called	eir own	
			a) Mixing b) Blending c) Beating d) Binding		
		2)	Which of the following is the moist heat cooking method	?	
		-	a) Simmering b) Saturing		
			c) Grilling d) Baking		
		3)	Temperature of poaching a) 82-99 C b) 100 C		
			c) 80 -85 C d) None of above	•	
		4)	Outer layer of cereal is called as		
		,	a) Embryo b) Endosperm		
			c) Bran d) Germ		
		5)	Percentage of germ present in whole wheat. a) 2.5 % b) 18%		
			c) 30% d) 50 %		
		6)	Idali is a example of		
		,	a) dry steaming b) wet steaming		
			c) Water less cooking d) Stewing		
		7)	Which is advantages of germination in following?a) Improved Quality of foodb) Improved quar	atity of food	
			c) Improved digestibility d) All of these		
		8)	Which of the following equipment is not used in kitchen?	•	
		·	a) Oven b) cooking range		
		•	c) Tally machine d) Blender		
		9)	The food should be heated to for destroying stap group bacteria.	nylococci	
			a) 50 C b) 75C		
			c) 72 C d) 82C		
		10)	Toxic pigment gossypol present in		
			a)Cotton seedb)Mustard seedc)cumin seedd)cloves		

06

	В)	Write 1) 2) 3) 4) 5) 6)	e true and false. Brix refractomiter with scale is example of chemical method. Specific Volume = Bulk Volume /weight of substance. Butyrometer used to find butter content in milk. Dilution test is a type of composite scoring test. Blanching is example of preservation by Destruction or inactivation of food enzyme. Ginger is the Stem of the plant.	06		
Q.2	Ans a) b) c) d)	Expla write Expla	ne following. In stages of Lathyrism. down factors that effect on gelatinization process. In steps involved in spoilage of milk. In Nutritive value of egg.	16		
Q.3	Ans a) b)	swer the following. Explain structure of egg with figure. Write a short note on pigment.				
Q.4	Ans a) b)	Expla	ne following. in types of sensory evaluation test. a short note on sensory characteristics of food.	10 06		
Q.5	Ans a) b)	Expla	ne following. in preservation by high temperature in detail. in refining and processing of fat.	16		
Q.6	Ans a) b)	Expla	ne following. in principle of food preservation. in egg cookery.	16		
Q.7	Ans a) b)	Expla	ne following. iin fermented product of milk. in storage of vegetable.	16		

				SLR-HN	1-7	
Set No.				Set	Ρ	
P	P.G.∣	Diplo	oma in Dietetics and Nutrition (Semester - II) (New Examination: Oct/Nov-2022 Sports Nutrition	v) (CBCS)		
			turday, 25-02-2023 To 02:00 PM	Max. Marks	: 80	
Instr	uctio	2)) Q. Nos. 1 and. 2 are compulsory.) Attempt any three questions from Q. No. 3 to Q. No. 7) Figure to right indicate full marks.			
Q.1	A)	Choo 1)	ose correct alternative. (MCQ) Branched chained amino acid do not include a) Leucine b) Glutamine c) Valine d) Isoleucine		10	
		2)	Eicosapentaenoic acid & docosahexaentic acid are which ty omega. a) 3 b) 6 c) 9 d) none of above	pes of		
		3)	A contraction in which the muscle develops tension but doesshorten in termed asa) Isotonicb) Isometricc) Symmetricd) None of above	s not		
		4)	American heart association recommends total dietary fiber in a) 5-10 gm/dayb) 10-15 gm/dayc) 15-20 gm/dayd) 25-30 gm/day	ntake of		
		5)	Delayed on set muscle soreness (Doms) congestive agent.a)Hydroxyprolineb)Prolinec)Leucined)Isoleucine			
		6)	Glucosamine is helpful ina) Nervous tissueb) Connective tissuec) Muscle tissued) Epithelial tissue			
		7)	Creatine phosphate helps in all except a) Football b) Power lifting c) Weight lifting d) Marathon			
		8)	1 gm of glycogen is stored with about 3 gm of a) Glucose b) Lipid c) Water d) Amino acid			
		9)	Sports highly benefitted by carbohydrate loading a) Long distance swimming b) Boxing c) Marathon d) All of the above			
		10)	Out of this which one is not a method of body fat determinationa)Cadaver analysisb)Underwater weighingc)Potassium iond)None of above	on?		

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Fil in the blank. Q.1 B)

- is the most abundant protein in the body, comprising of one 1) third of total body protein volume.
 - L Carnitine a) b) Collagen
 - Leucine d) None of above c)
- 2) _ most famous for its role in the stimulation of human growth hormone.
 - b) Leucine a) Lysine Serine
 - Arginine d) c)
- 3) _ is a neuro transmitter.
 - Lysine b) Leucine a)
 - Isoleucine L- Glutamine c) d)
- 4) A reduction of your body water content as litter as _____ can reduce performance.
 - 5-8% b) 1-4% a)
 - 9-10% d) None of above C)
- are required to spare muscle break down during exercise. 5)
 - Glutamine BCAA (Branded Chain Amino Acid) b) a) Collagen C)
 - d) Arginine
- 6) is the best anti-oxidant.
 - Glutamine L-Glutathione b) a) c) Isoleucine
 - Leucine d)

Q.2 Answer the following.

- Write a note on athletic significance of lipids. a)
- b) Write a note on athletic significance of waters & oxygen.
- Write a note on L-Arginine. C)
- d) Write a note on carbohydrate for in increased athletic performance.

Q.3 Answer the following.

- Write a note on Athletic significance of carbohydrate & carbohydrate loading. a)
- Write a note Athletic significance of protein & essential amino acid. b)

Q.4 Answer the following.

- Write a note on water balance & briefly describe hydration guidelines for a) optimum athletic performance during endurance events.
- Write a note on endurance exercise & metabolic response and briefly b) system changes an Anaerobic system.

Q.5 Answer the following.

- Write a note on Performance Nutrition plan with rational with example. a)
- Anaerobic Immediate energy sport & Anaerobic Glycolytic sport. b)
- Anaerobic Glycolytic oxidative Glycolytic sport & oxidative sport. c)

Q.6 Answer the following.

- Write a note on athletic significance of vitamins & briefly Lipid soluble vitamins. a)
- Write a note on botanical ergogenic supplement with doses. b)
 - L- Carnitine & Coenzyme Q10 a)
 - b) Creatine Monohydrate & Caffeine

Answer the following. Q.7

- Plan a diet for 21 years male Bodybuilder athlete. (2400 kcal/day) a)
- Plan a diet for 18 years female marathon. (2100 kcal/day) b)

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Set No.							Set	Ρ	
P.G. Diploma in Dietetics and Nutrition (Semester - II) (New) (CBCS) Examination: Oct/Nov-2022 Food Service Management & Community Nutrition									
		e: Sat		5-02-2023			Max. Mark	s: 80	
nstru	ctior	2)	Attempt	Q. 2 are compulse any three question o right indicate full	s from Q	. No.	3 to Q. No. 7		
Q.1	A)	Choose correct alternative.11) In what ways can government promote good nutrition.1a) surveys to monitor nutritionb) publishing dietary guidelinesc) legislating against false claimsd) all the options listed are correct						10	
		2)	children a) Ob	•	e of long-	term b) d)	deficiency of vitamin A in Anemia Goiter		
		3)	a) Hy	ituated in derabad mbai		b) d)	Delhi Calcutta		
		4)	a) adu b) adu c) infa	mostly seen and ha ulthood and adoles plescence and early ancy and early child y infancy	cence y childho		cting consequences in		
		5)	mothers a) Pri	0 0 1	0		trition to a group of teenage level of presentation. Secondary All of above		
		6)	a) uni b) nee c) deo	nary advantage of o formity of presenta ed for less supervis creased time betwe creased number of	tion sion een meal	asse			
		7)	a) Ba	f the following is ty nquet halls keries		nmero b) d)	cial food service? Pubs All of the above		
		8)	lead abo a) Ma			by pr b) d)	egnant women is believed to Apple Pineapple		

Set No.

Q

06

16

16

9)	A population is divided in to sub groups to obtain a simple random
	sample from each group and complete the sampling process is
	called

- systematic random sampling a)
- stratified random sampling b)
- simple random sampling c)
- cluster sampling d)

Convenience foods include _____ foods. 10)

- ready to eat b) vegetarian
- non vegetarian c) d) natural

B) Write true or false for the following statement.

- Muslims are forbidden from eating pork is a one of the religious believes practiced over the past several years.
- Centralized delivery service system is required more equipment and 2) Labour time than the Decentralized system.
- FAO works to promote child health and nutrition across the world. 3)
- Organic foods are helps to conserve biodiversity. 4)
- Food fortification helps to improve nutritional quality of food. 5)
- Nutraceuticals does not help to increase health value of our diet. 6)

Q.2 Answer the following.

a)

- Importance of charts and posters in nutrition education. a)
- Advantages and disadvantages of clinical evaluation. b)
- Difference between commercial and noncommercial food service. c)
- Types of food and beverage service. d)

Answer the following. Q.3

- Define sampling. List different sampling techniques and explain any one in a) detail.
- b) Factors affecting menu planning.

Answer the following. Q.4

Q.5

- Food waste disposal methods. 06 a) b) Describe ICDS programme in detail. 10 Answer the following. Write a short note on neutraceuticals. 06 a)
 - **b)** Write a detailed about classification and types of food service Equipments. 10

Q.6 Answer the following.

- Discuss the financial management of food and beverage service. 80 a) **08**
- Discuss nutritional problems in India, it's causes and remedies. b)

Q.7 Answer the following.

- Role of WHO for improving the nutritional and health status of community. 10 a)
- Explain planning and organization for kitchen, stores and service area. 06 b)