Seat	Sat	D
No.	Set	

P. G. Diploma in Dietetics and Nutrition (Semester - I) (New) (CBCS)

		•	Examination: Man Nutrition and Diete		-	, ,
-			onday, 13-05-2024 1 To 02:00 PM			Max. Marks: 80
Insti	ructio	2) Question no. 1 and 2 are comp 2) Attempt any three questions fro 3) Figure to right indicate full mark	m C	-	
Q.1	A)	Cho 1)	ose correct alternative. A substance needed by the body maintenance is called a a) Nutrient c) Fibre		Carbohydrates	and
		2)	Requirement of calcium of 11-1 a) 800 mg c) 550 mg		Fat, oils and sweets	<u>_</u> .
		3)	Guidelines of good health is a) Eat well but do not overeat b) Avoid too much sweets, esp c) Maintain regularity in routin d) All of the above	pecia	ally sugar	
		4)	One prominent theory of ageing a) Diet planning c) garlic		free radical theory Glutathion	
		5)	Liquid diets include a) Clear liquids b) Liquids c) Food intolerance modification d) both A, B	on		
		6)	 Which type of therapeutic diet is a) Nutrient modification b) Texture modification c) Food Allergy or food intoler d) Additional feeding 			e diet?
		7)	Green leafy vegetables are rich a) Fibre c) Iron		rce Folic acid All above	
		8)	As age increase in adult hood E a) 10 percent c) 2 percent	BMR b) d)	-	
		9)	Which nutrient helps in constipate a) Fibres c) Proteins	ation b) d)	during pregnancy. Energy More chocolates	

		10)	a)	e elderly are at increased Vitamin D and B1 Vitamin D and B12	b)	deficiency of Vitamin A and B12 Vitamin A and B1	
	B)	True 1) 2) 3) 4) 5)	Pro Lov Brig It is Pat just	w fat or fat free means no ght hair is sign of good h s recommended that bab	o calories ealth. Tr ies are w g surger alse	ue/False reaned at 6 months. True/False y with anesthesia can eat food	06 False
Q.2	a) b) c)	Define Write a Write a	RD abou abou	ollowing. OA. ut exchange list system. ut Adult hood. ut tube feeding.			16
Q.3	a)	Write i	n de	ollowing. etails about food groups. ut guidelines of good nut			08 08
Q.4	a)	Write	aboı	ollowing. ut hospital diets. ut Dietician and its respo	onsibilities	S.	08 08
Q.5	a)	Compl	licat	ollowing. tions in pregnancy. e between bottle feeding	and brea	st feeding.	08 08
Q.6		Write t	the r	ollowing. nutritional needs of lacta I needs of Adolescent.	ting wom	an.	08 08
Q.7	a)	Import	anc	ollowing. e of tiffin menus. ut dietary guidelines and	food req	uirement in old age.	08 08

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P. G. Diploma in Dietetics and Nutrition (Semester - I) (New) (CBCS) Examination: March/April-2024 Nutritional Biochemistry (DDN102)

			Nutritional Biochemistry (DDN1	02)
•			dnesday, 15-05-2024 To 02:00 PM	Max. Marks: 80
Instr	uctic	2)	Question no. 1 and 2 are compulsory. Attempt any three questions from Q. No. 3 to Crigure to right indicate full marks.	Q. No. 7.
Q.1	A)	Choo 1)	se correct alternative. Requirement of Ca for lactating mother: a) 500 mg/day b) 1000 mg/d c) 1200 mg/day d) 2000 mg/d	day
		2)	Lactose- milk sugar found in a) Wheat b) Rice c) animal milk d) soy milk	
		3)	D and L isomers are of each other. a) epimers b) enantiome c) mutarotation d) None of the	
		4)	Inulin is a polymer of units. a) Glucose b) Fructose c) Galactosbe d) None of the	nes
		5)	Human body produces vitamin by using a) A b) D c) E d) K	sunlight.
		6)	One of the following is an essential fatty acid _ a) Palmitic acid b) linoleic ac c) butyric acid d) acetic acid	id
		7)	One of the following is non-essential amino aci a) arginine b) valine c) histidine d) glutamate	
		8)	Amino acids are building blocks of a) carbohydrates b) lipid c) protein d) starch	
		9)	Sickle cell anemia is prevalent in a) Africa b) America c) India d) China	
		10)	act as energy reserve in animal body. a) Starch b) Glycogen c) animal milk d) pectin	

	в)	 Fill in the blanks OR Write True/False. Fill in the blank: Cellulose is a polymer made up of Food sources of calcium for lactose intolerant patients are Examples of hydrolases enzyme are True or false: Enzymes may be defined as biocatalysts synthesized by living cells. They are protein in nature (exception - RNA acting as ribozyme), colloidal and thermolabile in character, and specific in their action. True or false: Diffusion is a process resulting from random motion of molecules by which there is a net flow of matter from a region of high concentration to a region of low concentration. True or false: lipids are made up of thousands of amino acids combined together by peptide bonds. 	06		
Q.2	a) b) c)	swer the following. Explain colloids and properties of colloidal solution. Explain factors affecting body composition.	16		
Q.3	a)	swer the following. Write definition of minerals with its functions and food sources. Explain metabolism of DNA.			
Q.4	a)	swer the following. How proteins classified based on its solubility. Explain characteristics of enzyme.			
Q.5	a)	swer the following. Describe classification, functions and deficiency diseases of vitamins. Explain how lipids are metabolized in body?	10 06		
Q.6	Ans a) b)	swer the following. Explain proteins metabolism. Describe various methods of determining body composition.	08 08		
Q.7	a)	swer the following. Explain metabolism of carbohydrates. Explain classification of enzymes.	10 06		

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P. G. Diploma in Dietetics and Nutrition (Semester - I) (New) (CBCS) Examination: March/April-2024 Human Physiology (DDN104)

			ridilali i fiysiology (DDN 104)	
-			lay, 17-05-2024 To 02:00 PM	Max. Marks: 80
Inst	ructi	2) Q. Nos. 1 and 2 are compulsory. 2) Attempt any three questions from Q. No. 3 to Q. No. 7 3) Figure to right indicate full marks.	
Q.1	A)	Cho (1)	a) LH b) FSH c) TSH d) ADH	10
		2)	cells in pancreas produces insulin. a) \propto cells b) β cells c) σ cells d) Leydig's cell	
		3)	hormone is secreted by posterior Pituitary. a) GH b) ADH c) Oxytocin d) Both b and c	
		4)	gland produces 'T' lymphocytes. a) Thyroid b) Thymus c) Ovary d) Testies	
		5)	Functional unit of urinary system is a) Calyx b) Nucleus c) Neuron d) Nephron	
		6)	Exchange of gases takes place in a) Trachea b) Bronchus c) Alveoli d) Nose	
		7)	Artery carries deoxygenated blood. a) Renal artery b) Pulmonary artery c) Coronary artery d) aorta	
		8)	Lifespan of RBC is days. a) 80	
		9)	is present in Gastric Juice. a) HCL b) Pepsin c) Lipase d) All of these	
		10)	Haversian canal present in a) bone b) cartilage c) both a and b d) muscles	

SLR-JF-3 Write True or False 06 Calcium metabolism is regulated by thyroid gland. Ovaries produces both estrogen and testosterone. Bile is responsible for fat metabolism. 4) Hematopoiesis is takes place in heart. Muscles are attached to bones by tendons. 6) Prothrombin is necessary for blood clotting. **Q.2** Answer the following. 16 Write down functions of liver. Write down parts and names of hormones secreted by pituitary gland. Difference between Mitosis and Meiosis. d) Write down functions of Blood. **Q.3** Answer the following. Anatomical structure of heart and its functions. 80 Write down names of hormones and functions of thyroid gland. 80 **Q.4** Answer the following. Write down names of coagulation factors and mechanism of coagulation. 80 Write down process of exchange of gases in the human lungs. 80 b) Answer the following. Q.5 Draw diagram of nephron and describe formation of urine. 10 Composition of Human Body. 06 **Q.6** Answer the following. Draw labelled diagram of female reproductive system and describe 10 menstrual cycle. **b)** What is immunisation? Write down various types of immunisation. 06

Write down Digestion and Absorption in small intestine.

Describe the structure of bone and write down classification of bone.

Q.7

Answer the following.

80

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P. G. Diploma in Dietetics and Nutrition (Semester - II) (New) (CBCS) Examination: March/April-2024 Nutrition and dietetics-II (DDN201)

				Nutrition an			II (DDN201)	
				y, 14-05-2024)2:00 PM			Max. Marks	: 80
Instr	uctio	2)) Atte	estion no. 1 and 2 a empt any three que ure to right indicate	stions from (-		
Q.1	A)	Choo 1)	Insu a)	correct alternative ulin is closely assoc Hypertension CVD			 Diabetes None of the above	10
		2)	a)	ly Mass Index more Obesity Gout	e than 30 inc b) d)		ates Health All of the above	
		3)	a)	ertension means ir Blood pressure Uric acid	ncrease in _ b) d)		 Blood glucose Electrolytes	
		4)	,	contains soluble Gum ladies' finger	•		Flax seeds All of the above	
		5)	a)	is a good chole: VLDL LDL	sterol. b) d)		HDL All of the above	
	B)	Write 1) 2) 3) 4) 5)	Inso Ove Athe To i	erweight is a GIT di erosclerosis is a m ncrease in blood p	sease. etabolic diso ressure is kr	ord nov	er. wn as Hypotension. ble for Electrolyte balance in body.	06
Q.2	a) b)	Gout Description	Disea y Iml of fibe	Illowing. ase. balance. ers in constipation. ent of Underweight				16
Q.3	Ans a) b)	What i	is Ac geme	ent.	•		n detail with its nutritional us cardiovascular diseases.	16
Q.4	Áns	swer th	ne fo	llowing.			tail about types of Honatitis	16

b) Discuss in detail about Diabetes mellitus with hypoglycemic drugs.

Q.5	An	Answer the following.						
	a)	What are the objectives of Therapeutic diet? Discuss in relation with Diabetes and obesity.						
	b)	Discuss in detail about Anorexia nervosa and Bulimia.						
Q.6	Ana) a) b)	swer the following. Write in detail nutritional management in regard with Anemia and Burns. What should be the dietary care and management in various surgical conditions.	16					
Q.7	An	swer the following.	16					
	a)	What is cancer and AIDS? Discuss the need of nutritional care in these diseases						
	b)	Write in detail about need, importance and scope of Sport nutrition in regard to current.						

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P. G. Diploma in Dietetics and Nutrition (Semester - II) (New) (CBCS) Examination: March/April-2024 Food Science and Food Microbiology (DDN202)

			Food Science and Food M		•	
•			ursday, 16-05-2024 To 02:00 PM		Max. Marks:	: 80
Instr	uctio	2	Question no. 1 and 2 are computed) Attempt any three questions from the properties of the properties	m Q. N	No. 3 to Q. No. 7.	
Q.1	A)	Mul (tiple Choice Questions. Who is regarded as father of Ca a) Nicolas Appert c) John hall	anning' b) d)		10
		2)	Which of the following food com a) Rice and maizec) butter, cheese and oil	b)	t is rich in fat? Milk, egg and legumes None of the above	
		3)	Food does not spoil for months a) -18°C c) 10°C	b)	stored at 5°C 25°C	
		4)	 Under the PFA act when is the f a) If any ingredient is injurious b) if it is obtained from a disea c) If spices are sold without th d) All of the above options are 	s to he ased a neir es	alth nimal sence	
		5)	Repeated washing of pulses and a) Vitamins c) Both A and B	d rice i b) d)	might remove minerals fats	
		6)	Ranking test is method of sea) Analytical c) Preference	ensory b) d)	evaluation. subjective none of the above	
		7)	Which of the following are the coa) Boiling c) Baking		ional methods of cooking? frying all of the above	
		8)	Glass jars and bottles are dried pickles why is it so? a) To increase their temperate b) to remove dust from them c) to remove the moisture cord) to make pickles tasty	ure		
		9)	Fermentation occurs in the a) Presence of oxygen c) presence of nitrogen	b)	absence of oxygen presence of carbon	

		10)				ng food it	•				•	∍r?				
			a) c)	Legum	es nd vege	tahles		(c (k		_	rains e abov	/ P				
	B)	State	,		•			1)	an	01 111	o abo	,,,			06	•
	B) State whether true or False.1) Egg is a rich source of carbohydrates.											UC	,			
		2)				of proce	•		d in a	an ed	ible a	nti-mi	crobia	l		
		ŕ	liqui			•										
		3)			•	orms are						olid lu	mps.			
		4) 5)				ible for sp nods of c						modi	um of	hoat		
		3)		sfer.	cai men	1003 01 0	OUKING	iai	15 U	Seu i	OI IIIG	mean	uiii Oi	Heat		
		6)			ngue is ı	more sen	nsitive f	or s	swe	et tas	te.					
Q.2	Ans			ollowing											16	j
	1)					of an idea	•	_	_							
	2)	Define food adulteration and what are the common food adulterants used in milk and Milk products. pulses and Spices and condiments.														
	3)					icance of	•						il seed	s.		
	4)	Expl		he paire	_	ence test		•	_							
Q.3	Answer the following.															
	a) With the help of flowchart explain the steps involved in Canning of mango pulp giving the significance of each step.									10)					
	b)		_	ig the sig s of suga	-		n step.								06	;
Q.4	Answer the following.															
	a) b)	, ,									30 30					
	,					na trien n	ariction	13.							UC	•
Q.5	Answer the following.a) Define leavening agent .What are different types of leavening agent and										10)				
	u	how they work?								•						
	b)	Fact	ors c	ontributi	ng food	spoilage.									06	;
Q.6	Answer the following. a) Contamination of foods with toxic chemicals, pesticides and insecticides.													_		
	a) b)					ith toxic (adulterati						ınse	cticiae	es.	1 0	
	D)	i)	Butt	•	Ct 100a t	additorati		Olio	vvii i	<i>j</i> 1000	<i>.</i>				Ū	Ü
		iĺ)	Chil													
		iii)	mus	stard see	:ds											
Q.7	_			ollowing		مادامه	no 041	ما د	اء مرم	4la a !	all a s			.1		^
	a)	 Explain the importance of cooking methods and their effects on nutrient content in food. 							1	U						
	b)				subjecti	ve metho	ds of s	ens	sorv	eval	uation	1_			0	6

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P. G. Diploma in Dietetics and Nutrition (Semester - II) (New) (CBCS) Examination: March/April - 2024 Sports nutrition (DDN207)

				Sports nutriti	on (DDI	N207)	
•				day, 18-05-2024 o 02:00 PM		Max. Marks	: 80
nstı	ructio	:	2) A	. No. 1 and 2 are compulsor ttempt any three questions f igure to right indicate full ma	rom Q. No	o. 3 to Q. No. 7	
Q.1	A)	Cho 1)	S a)	e correct alternative. ports highly benefitted by ca Long distance swimming Marathon	rbohydrat b) d)	Boxing	10
		2)	a)	merican heart association re 5-10 gram/day 15-20 gram/day		ds total dietary fiber intake of 10-15 gram/day 25-30 gram/day	·
		3)	a)	describe athletic perfo aining techniques. Performance aids Ergogenic aids		enhancing substances and Strength aids None of above	
		4)	a)	elayed onset muscle sorene Hydrooxyproline Ieucine	ess (DOMS b) d)	· ·	
		5)	a)	he brain can use ca 200 600	l/day of gl b) d)	ucose from liver glucogen. 400 500	
		6)	a)	gram of glycogen is stored v Lipid Glucose	with about b) d)	3 gm of Amino acid Water	
		7)	a)	reatine phosphate helps in a Football Power lifting		Marathon Weight lifting	
		8)	a) c)	primary role of transp L Carnitine L Valine	ortation of b) d)	f fatty acids into mitochondria. L arginine L tyrosin	
		9)		lucosamine is helpful in Nervous tissue Connective tissue	 b) d)	Muscle tissue Epithelial tissue	
		10)	a)	includes the chemica iomolecules to create larger Metabolism Catabolism		s that continue different oplex one. Anabolism None of above	

	B)	Fill in the blanks or Write true/false. 1) training greatly increases the body s functional capacity to								
		.,	transport and use oxygen and to burn fatty acids during exercise.							
			,	Aerobic		p)				
			c)	Catabolic		d)	None of above			
		2)	 a)	will most L Carnitine	ly benefit long di	stance b)	e athletes. Whey protein			
			c)	Creatine		d)	Q 10			
		3)	,	are bioflavoni	ds except					
		-,		rutin		_ b)	citrus fruits			
			c)	hesperidin		d)	none of above			
		4)		•	ating in enduranc fluids which are	e ever	nts lasting longer than 2 hrs 			
			a) c)	dilute neutral		b) d)	Concentrated none of above			
		5)	Ca	alorie reduction	in fat loss progr	am sh	ould not come from			
			,	Fats		b)	Simple carbohydrates			
		-\	c)	Proteins		d)	None of the above			
		6)	of	water by 1 deg			raise the temperature of 1 kg			
			a)	1 joule		p)	1 kilocalorie			
			c)	1 kilojoules		d)	None of the above			
Q.2	_			following.				16		
	a) b)		feine	e. system chang	oe.					
	c)			ics of musclec						
	d)				vitch muscle fibe	rs				
Q.3	Ans			following.				16		
	a)				-		ic immediate energy sports			
	b)		•	•	nu for both athle tance of water in		es.			
	•									
Q.4	Ans a)			following.	otein utilization a	nd hrs	anch chain amino acids.	16		
	b)			•	nydrate loading a					
	•				, ,		'			
Q.5	_			following.	linid and imports	2222	f amaga 2 fatty golds	16		
	a) b)			-	•		of omega 3 fatty acids. Note on fat soluble vitamins.			
	,			· ·						
Q.6	Ans a)			following. fibers types an	nd function			16		
	b)				d absorption in a	thletes).			
~ -	A							40		
Q.7	Ans a)			following. n Supplements	s Fat Loss Aids			16		
	b)			method of fat						