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Set	Set	D
No.	Set	F

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

			Examination: March/April-2023 Nutrition & Dietetics-I (PGDDN101)	
•			ednesday, 19-07-2023 Max. M 1 To 02:00 PM	/larks: 80
Instr	uctio	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 substance needed by the body for growth, energy, repair and maintenance is called a a) Nutrient b) Carbohydrates c) Calorie d) Fatty Acid	10
		2)	Food group is our body's best source of energy. a) Meat group b) Fats, oils and sweets c) Breads and cereals d) Milk and cheese	
		3)	Guidelines for good health are a) Eat well but do not overeat b) Avoid too much sweets, especially sugar c) Maintain regularity in routine d) All of the above	
		4)	 The major responsibilities of the dietitian are a) Diet planning b) Diet counselling c) Assessment of patients need and establishment of requirements d) All of these 	
		5)	Common therapeutic diets include a) Nutrient modifications b) Texture modification c) Food intolerance modification d) All of these	
		6)	 Which type of therapeutic diet is used when preparing puree diet? a) Nutrient modification b) Texture modification c) Food Allergy or food intolerance modification d) Additional feeding 	
		7)	It is generally believed that a woman should 'eat for two' in pregnata a) This is a good guide for eating in pregnancy b) It means you should eat twice as much as normal in pregnato c) Is now an out of date view of how much to eat. d) it means pregnant woman must eat food double in amount	•
		8)	Breastfeeding uses up an extra a) 1000 calories a day b) 400 - 700 calories a day c) 100 - 200 calories a day d) 1200 calories a day	

Q.7	Ans a)		e following. Insibilities of dietician and Nutritional counselling	08
	b)		ts of lactating mothers. onal needs of Adolescent	08
Q.6	Ans a)		e following. If hormones in milk production and requirement of calorie, proteins	08
Q.5	Ans a) b)	Nutritio	e following. onal needs in pregnancy ced diet for school going children	80 80
Q.4	Ans a) b)	Define	e following. BMR. Write about factors affecting B M R cation of normal diet during illness and convalescence	08 08
Q.3	Ans a) b)	Define	e following. e Calorie. Write about Bomb Calorimeter nd Postoperative care	08 08
Q.2	a)	Define Write a Write a	e following. (any two) Nutrition. Write about Good nutrition and Poor Nutrition. about Anteral and Parental feeding about Physiological changes and complications during pregnancy about Nutritional needs for preschool children.	16
	B)	1) F 2) L 3) F 4) Ii 5) F	or False. Primary school child needs at least 8 glasses of water Low fat or fat free means no calories Female teenagers need at least 1.0 miligrams of Riboflavin a day It is recommended that babies are weaned at 6 months Patients who are taking medications such as diuretics may need to be on a high potassium diet Exercise will affect the taste of breast milk.	06
		,	The elderly are at increased risk for deficiency of a) Vitamin D and B1 b) Vitamin A and B12 c) Vitamin D and B12 d) Vitamin A and B1	
		r r i	growth and bodily changes. Which of the following would you recommend to provide a) Extra snacks between meals b) Extra chips c) A Big Mac after school d) More chocolates	

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Seat	t		Set	P
	Р	. G. Diploma in Dietetics and Nutrition (Sem - I) (New) Examination: March/April-2023 Nutritional Biochemistry (PGDDN102)	(CBCS)	
•		te: Thursday, 20-07-2023 00 AM To 02:00 PM	Max. Marks	: 80
Instr	uctio	2) All questions are compulsory.2) Draw diagrams wherever necessary.3) Figures to the right indicate full marks.		
Q.1	Sol a)	ve any one in detail. Write about solutions, filtration, diffusion osmosis- its definition, p OR	hysiological us	16 ses
	b)	Write definition, classification, sources and functions of carbohyd	rates.	
Q.2	Sol a)	ve any one in detail. Definition, classification function and sources of protein. OR		16
	b)	Write about classification of fat and beta oxidation of fatty acids.		
Q.3	Wri a) b) c) d)	te in short about the following:- Write about general body composition. Physiological importance of colloids. Draw gluconeogenesis. Write about ca and vit D its correlation and deficiency diseases. OR		16
	e) f) g) h)	Write about Vitamin B1, B2, B3. Draw Krebs cycle. Physical and chemical properties of fat Write about iodine and iron.		
Q.4	Wri a) b) c) d)	te:- Function and sources of Na and K. Classification of enzymes. Physiological importance of colloid. Indices for determination of protein quality. OR		16

Write about dialysis

Vitamin C sources, function and deficiency.

Draw gluconeogenesis pathway.

Write about Vitamin B complex.

Inborn error of lipid metabolism.

Vitamin A deficiency diseases.

Sources of carbohydrate.

Define surface tension.

Draw structure of D.N.A. Biological value of protein.

Excess of carbohydrate.

Function of n6 fatty acids.

e)

f)

g)

h)

a)

b) c)

d)

e)

f)

g)

h)

Write in short.

Q.5

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Seat No.	Set	P					
P	. G. Diploma in Dietetics and Nutrition (Semester – I) (New) (CBCS Examination: March/April-2023 Human Physiology (PGDDN104))					
•	& Date: Friday, 21-07-2023 Max. Marks : 11:00 AM To 02:00 PM	: 80					
Instr	uctions: 1) All questions are compulsory.2) Figures to the right indicate full marks.3) Draw diagrams wherever necessary.						
Q.1	Describe in detail about cell, cell division and elementary composition of human body. OR	16					
	Write in short about anatomy, functions of digestive tract, digestion, absorption process.						
Q.2	Write the process of urine formation, composition of urine, functions of kidney. OR	16					
	Name the various endocrine glands. Describe functions of pituitary gland and add a note on effects of hypo and hyper secretion of pituitary hormones.						
Q.3	 Write short answers. (Any Four) a) Functions of lungs b) Functions of plasma proteins c) Electro Cardiogram (ECG) d) Hypo and hyperthyroidism e) Menopause and its symptoms 	16					
Q.4	 Write short notes on. (Any Four) a) Functions of heart b) Exchange of O₂ & CO₂ c) Bone classification d) Coagulation Process e) Role of lymphocyte in immunity 	16					
Q.5	 Write in brief. a) Blood Groups b) Composition of blood c) Thrombosis d) Example of Involuntary Muscles e) Secretion of ovaries f) Inflammation g) Normal Platelet Count h) Normal Hemoglobin Count 	16					

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P.G. Diploma in Dietetics and Nutrition (Semester - II) (New) (CBCS) Examination: March/April-2023 Nutrition and Dietetics-II (DDN201)

				Nutrition and Dietetics	•		
•				16-07-2023 :00 PM		Max. Mark	s: 80
Instr	uctio	2)	Atten	os. 1 and. 2 are compulsory. opt any three questions from 0 e to right indicate full marks.	Q. No.	. 3 to Q. No. 7	
Q.1	A)	Choo 1) 2)	lodine a) c)	e requirement is higher in Adulthood Ageing more than 25- indicates Undernutrition Obesity	 b) d)	ry 2 marks) Pregnancy None of the above Malnutrition Over-nutrition	10
		3)	a) c)	is the hallmark of diabetes n Hypoglycemia Insulin	,	S.	
		4)	NSD a) b) c) d)	stands for Non-conventional diseases Nervous chronic diseases Non-communicable diseases All of the above	S		
		5)	a) c)	_ is a primary risk factor for C Hypertension Blood glucose	VD. b) d)	Blood pressure Insulin	
	B)	Write 1) 2) 3) 4) 5) 6)	Obes Dieta Insuli Calcid Hypo	and false. ity is a GIT disease. ry fiber plays important role in n has significant role in diaber um is highly responsible for el tension is referred to increase osclerosis is a metabolic dise	tes. ectrol bloo	yte imbalance in the body.	06
Q.2	Anso a) b) c) d)	Energi Diverti Const	y imb icular ipatio	owing write short notes on. alance disease n nt of obesity			16
Q.3	a)	Discu What	ss in o are th	owing. detail diabetes mellitus with in e liner and gall bladder disea d Cirrhosis.		7. 07	08 08

Q.4	Ans	wer the following.	
	a)	What is Acute Glomerular nephritis? Write it in detail with nephrotic syndrome.	10
	b)	Write down and discuss in detail about different Cardio vascular diseases.	06
Q.5	Ans	wer the following.	
	a)	Mention the diseases of nervous system and write down in detail about Anorexia nervosa and Bulimia.	08
	b)	What is Therapeutic Diet? Discuss this in relation with Diabetes and Cardiovascular diseases.	08
Q.6	Ans	wer the following.	
	a) b)	What should be the dietary management in regard with Anemia and burns. Write down the dietary management in surgical condition.	80 80
Q.7	Ans	wer the following.	
	a) b)	Write down in detail about dietary management in Cancer and AIDS. What is Sports nutrition? Write in detail about current need of Sports nutrition.	80 80

Seat No. PG Diploma in Dietetics & Nutrition (Semester - II) (New) (CBCS) **Examination March/April-2023** Food Science and Food Microbiology (DDN202) Day & Date: Monday, 17-07-2023 Max. Marks: 80 Time: 11:00 AM To 02:00 PM **Instructions:** 1) All questions are compulsory. 2) All questions carry equal marks. 3) Draw diagrams wherever is necessary. 2) Figures to the right indicate full marks. **Q.1** Explain in detail about Fish 16 OR Write about structure of pulses and Nutritive value of pulses **Q.2** Write in detail about Leavening agents. 16 Write in detail about any four methods of Food Preservation Q.3 Write in Short (Any four) 16 Classification of fruits a) Food Additives b) Structure of Cereals c) d) Factors contributing to food spoilage Changes due to cooking in meat e) Objectives of cooking Food f) **Q.4** Write in short (Any four) 16 Nutritive value of Milk a) b) Safe Food Preparation Practices Beverages c) Importance of food preservation d) Detection of adulteration in Turmeric powder Milk Packaging material f) Q.5 Write in Brief 16 Skimmed milk powder a) Baking powder b) c) Definition of Leavening agent Two changes due to cooking in fruits d) **Definition of Food Preservation** e) Name chemical preservatives f) Two changes due to cooking in Meat g) Name of food groups h)

Set	Sat	D
No.	Set	

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

				Examination: M Sports Nutrit		-	
-			-	, 18-07-2023 2:00 PM	•	Max. Ma	rks: 80
		ons: 1) 2) Q. No) Atter	os. 1 and. 2 are compuls npt any three questions re to right indicate full ma	from Q.	No. 3 to Q. No. 7	
Q.1	A)	Cho 1)			fiber (typ b)	oe 2 b) are High susceptible to fatigue Low susceptible to fatigue	10
		2)	a) .	Protein digestibility			
		3)	What a) c)	14 - 20%	b)	fat level for normal man 20 - 28% Above 28%	
		4)	Bran a) c)	ched chained amino acid Leucine Valine	d do not b) d)		
		5)	Delag a) c)			MS) congestive agent Proline Isoleucine	
		6)	Gluce a) c)	osamine is helpful in Nervous tissue Muscle tissue	b)	Connective tissue Epithelial tissue	
		7)	1 gm a) c)	of glycogen is stored wi Glucose Water	ith about b) d)	3 gm of Lipid Amino acid	
		8)		ch aids describe athletic p ng techniques? Strength Ergogenic	performa b) d)	Performance None of above	
		9)	Out o a) c)	of this, which one is not a Cadaver analysis Potassium ion	a method b) d)	d of body fat determination? Underwater weighing None of above	
		10)	Crea a) c)	tine phosphate helps in a Football Power lifting	all excep b) d)	ot Marathon Weight lifting	

	B)		the	blank.				06
		1)	a) c)	is the neuro tra Lysine Isoleucine	ansmitter.	b) d)	Leucine L- Glutamine	
		2)	a) c)	_ is the best anti L-Glutathione Leucine	-oxidant.	b) d)	Glutamine Isoleucine	
		3)	The a) c)	brain can use 200 600	cal/day	y of g b) d)	lucose from liver glycogen. 400 500	
		4)	a) c)	_ primary role of L- carnitine L-valine	transporta	,	of fatty acid into mitochondria. L-arginine L-tyrosine	
		5)	a) c)	_ will mostly ben L- carnitine Creatine	efit long di	stand b) d)	e athletes. Whey Protein Coenzyme Q10	
		6)	Mela a) c)	itonin main functi Hair Hunger	on is impro	oving b) d)	Muscle Sleep	
Q.2	a) b) c)	Write Write Write	a not a not a not	lowing. te on free radical. te on Branched c te on muscle fibe te on body types.	hain amind r & their fui	nctior	=	16
Q.3	a)		ition g				er & oxygen and briefly describe erformance during endurance	80
	b)	Write	a not	te on athletic sigr amins.	ificance of	vitan	nins & briefly describe water	80
Q.4		increa	ased a	athletic performa	nce.		ohydrate & carbohydrates for	08
	b)			te athletic signific biological value.	ance of pro	otein	& briefly describe nitrogen	80
Q.5	a)	i)	L- Ca	te on botanical er irnitine & Coenzy tine Monohydrate	me Q10		ment with doses	80
	b)	Ŵrite	a not		ificance of		& sport supplement & briefly	80
Q.6	a)			te on endurance of stem changes & a			bolic response along with m changes.	80
	b)	Write a)	a not Anae	te on Performand robic - Immediate	e Nutrition e energy sp	plan ort &		80
Q.7	a) b)			-	•		nthlete (1800 kcal). distance cycling event. (2200	08 08

No. Set P	Set No.	Set	Р
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P.G. Diploma in Dietetics and Nutrition (Semester - II) (New) (CBCS)

	F	ood	Examination: March/April-2023 Service Management & Community Nutrition (DDN)	1208)
			esday, 18-07-2023 I To 2:00 PM	Max. Marks: 80
Insti	uctio	2) Q. 1 and Q. 2 are compulsory.) Attempt any three questions from Q. No. 3 to Q. No. 7) Figure to right indicate full marks.	
Q.1	A)	Cho 1)	Anthropometric measurements includes a) Skin fold thickness b) Height c) Weight d) all of the above	10
		2)	The disease which is caused by protein energy malnutrition is a) Tuberculosis b) Marasmus c) Goiter d) Anemia	3
		3)	Which is the key sector of ICDS to provide preschool educati remote areas. a) Aanganwadis b) training institutes c) Creche d) day care center	on in
		4)	Which of the following are the methods of education a) lectures and demonstration b) film and slide shows c) Workshops d) all of the above	;
		5)	Causes of malnutrition can be classified as immediate underly root causes, which of the following would be in the underlying a) Low wages b) Unclean drinking water c) sedentary life style d) all of the options listed are correct	
		6)	Distribution and service are categorized as in the food system model. a) functional subsystems b) Controls c) Inputs d) Outputs	service
		7)	is an example of noncommercial food service. a) Caterers b) hospital cafeterias c) Bakeries d) Pubs	
		8)	Pica is the habit of eating a) Mud b) Clay c) Chalk d) all of the above	
		9)	Simple random sampling is a type of a) non-probability sampling b) probability sampling c) purposive sampling c) none of above	

		 10) Convenience foods are typically high in a) Calorie b) Vitamins c) Minerals d) Water 			
	B)	 State true or false. Hindu's are forbidden from eating beef is one of the religious beliefs practiced over past several years. In centralized delivery service system there is a large number of people to be served which results in short service time span. 7 April is celebrated as World Health Day. Organic food products has higher levels of pesticide Residue. Food fortification is the practice of deliberately increasing the content of micronutrients in food. Nutraceuticals help us to avoid particular medical conditions. 	06		
Q.2	Ans a) b) c) d)	wer the following. Techniques of Nutrition education. How to maximize commercial kitchen storage space. Noncommercial food service. Anthropometric measurements.	16		
Q.3	Ans a) b)	· · · · · · · · · · · · · · · · · · ·			
Q.4	Ans a) b)		10 06		
Q.5		G C C C C C C C C C C C C C C C C C C C	06 10		
Q.6	Ans a) b)	wer the following. Define inventory management its benefits and types. Discuss the advantages and disadvantages of using biochemical and bio physical techniques in nutritional assessment.	16		
Q.7	Ans a) b)	1 3	10 06		