Bakhtawar Zahr	ra
LMS ID: 33	189
	26.5/40
Q: 1 A	
	Very Good Effort. Please consult
1 A: i Definition of Va	
	class for further.
that are used to provide immunit	
disease.	
tixample:	4/5
Vaccines made for Hepatiti	is B and C viruses
Votcome more in property	
1Aii DEFINITION OF	ANTIBIOTICS
21.(1)	
Antibiotic are H	ly chemical substances
that is made to treat bacture	
infections	
Example	
Penuillin cephalosphan	ins
To-amily september	
14m, DIFFERENCE	BETWEEN
	AND ANTIBIOTICS

it tannot prevent bactains	fungal diseases	
d)siany		
Voccine provides and increases	f- Antibiotis do not provide	
Immunity	immunity. It only treats	
	Specific diseases.	
Examples:	Example	
Vaccines for Hep B, C,	· Penülün	
polioviruses and covid-19	Nephalosphom	
Viruses	. Terfracytline	
	1	
Q:2 A		
	0.5/5	
What is mea	nt by: 3.5/5	
chelected live	w. They are called thish	
The second control of	columbial to the arterior and	
	anay, my the day	
land of a 't lipoproting	2일 등이 Name (2011년 전 2012년 - 1912년 개최 1일 전 1일	
	Vocaine provides and increases Immunity Examples: Vaccines for HepB,C, Polio viruses and Lovid-19 Viruses (Q: 2 A What is mea Good At are those to remove foot through live Density Lipoproteins Bad fats + ques cl	Voccine provides and increases f. Antibiotics do not provide Immunity Immunity it only treats Specific diseases. Example Vaccines for teep B, C, Renillin Polio viruses and covid-19 rephalosphain Viruses • Tetracylline 10:2 A What is meant by: Good AND BAD FATS Good fats are those fats which relp the heavy to remon foot, through liver. They are called thigh Density lipoproteins Bad fats taken chalestrol to the arterie and collect the cralestrol in the arterie. They are called

Day:_		Date:	
	Good Fals	Bad Fats	- ocur in
			near Japan
9-	Helps to remove extra fati	5- It inculgates extra	
	from the body, cells, arteries.	fat to the arteries, cells any	east and wyt
		the hedy	e, the rost of th
· b-		b. Bad fat deliver excess	
,,	foot fall meds to the	chalestres to the arteries	itel (40
	cholestrol from the article	Chalestry 7 1 51 60 9	
c-	It rumous chalestral present in	c-Its-intake coures the	
	the plagues, fatty deposit formy	accumulating of cholestral in	
	my the excess Low Density Lipoprotein	the arteris called plague	
	intale		
		A p. c	
u-	Good fat do not cause o	1- Bad fats cause heart	
		disease, blood pressur	
		and live disease	
e	'Youd fat is sof mainly e-	Bad fats are super saturated.	
	two types monogensaturely		
	and polyuneatureful fat	•	
		Commission of the Commission o	
C	It is found in dire oil, e	- It & present à backs	
	peanet oil, fish	and sutter mainly	

Day:	Date:
- Cooled fath are also will	- Bad fats are also ully
High density lipoproteins	Low-density expoprotein
Q: 2	
8	
	4/5
i) Vitagin & compl	ex:
Uses:	
a) It telps in the for	imation of blood
is It helps in the	
membrane V	
	ux malus heart stable
A STATE OF THE PARTY OF THE PAR	ler talps in the smoothnip
of skin	
(e) It is telp in m	educing dixity or depression
	·
ii) Vitamin E U	ises:
The state of the s	in/making blood cells
	1. the brightening of skin
c. If helps in by	oustry immunity
d, Vitamin E telp	os Y- seer healing
	reventing theart obliscans

(iii) Vitamin D uses:	
a- Vitamin D helps in making home strong	
by Vitamin C stelps in bringing energy	
(c) It helps in resulting the absorption of vitamin	
c theti good for teeth and bones	
(d) Facilitates immune fystem to work	
e, helps in maliny teeth strong	
(v) Iron:	
a. Iron helps in blood formation	
b. Iron telps in frowth and development g	
hody	
ici Iran providus oxygen + musulus	
ed Iron telps in making hormons	
e Iron improve sleep quelit	
	, , , , , ,
Q: 2	
D FOOD PRESERVATINE	
ME THOOS 3.5/5	-
Food preservative methods telp to prevent	
food from spailage and making it efficient and	
healthy to stay for a long time	

Day	Date:	
	Methods for Food Preservation	
	i) Freezing	
	Food can be preserved phrough freezing. Freezing	
	helps to inhibit bacteric to enter the food and prevent bacteris	
	from multiplying and speil the food	
,		
	(ii) Canning	
	Canning in also the method of food preservation.	
	It does not provide maishing and oxygen that does not	
	allow the bactura to grow, and multiply when the	
,	hettle or the can is seeled.	
	(iii) DISSing undersmund	
	food can be preserved underground where there is	
	no moisture or the oxygen that telp bacteria to frow and	
	multiple.	
	Potatous are mainly undergrounded and preserve	
	by this method	
	(iv) Salting the food	
	Food can be preserved by putting some	
	salt in the food. It will got allow the bacteris to	
	from and multiply.	
		1

v- Vacum Packing	
Vacuum packing as also used to preserve food.	
The cur is removed from the material where food is inserted	
excepting a vacuum. It would not allow the microbus to	
live and multiply as there is no oxygen or carnon dioxide.	
Dry fruit are mainly preserved by this method.	
Q: 2 C	
FOOD ADULTERATION	
Types Depinition	
	•
Food adulteration in the practice of contamination	
of food materials my adding few substances that are	
collectively called Adulteration. It is used for economical	
and technical heretity 4/5	
4/5	
Types of Food Jelutteration	
Q- Intentional Adulteration	
When the substancy that look similar are	
added to the found, it increases the weight and	
soin mon prefit	
Example;	
mixing of pubbles, stone, marbles, invater.	

B- Incidental Adulkration	
It occurs due to the regligence while handling	
food.	
Example	
a residue of pesticide in grain,	
4 - larvae growt	
C- Metallic Adulteration:	
Addition of metallic phatericles in 1- food. It	
may occur intentionally even of accidentally.	
Example	
leed or mercuny in the food	
 D- Packaging Hazards:	
Packing macketists in whigh the food in	
packed may interfere and mix with the constituents of	
the food that lead to packaging hazards	
Impact of Food Adulteration	
a- Foud adulteration than increases toxicit	
in the body.	
5, food adulteration decidars the nutritional	
value of the found	
cci Food adulteration may affect the organs	
and lead to heart, luidney, Even disorders	

Da	Date:	
	d- Food adulteration such as mille adulteration	
	may harm the Children	
	II- HOW TO PREVENT FOOD	
	ADULTERATION	
	III a Food adulteration in inclustries may be	
	prevented through strict laws and government interventions	
	II b - Worsh the fruit and vigetable setme	
	Cooking	
	11-c Awarenew must be given to the citizeny	
	through media.	
	II-d Government must invest in bech-sony	
	metrodolopis that support food safety,	
	elevating pood manufacturing infrastructure	
	Q:1C	
·		
4	GALAXY	
	Galaxy p the fundamental unit of the	
	Universe. It consists of hundreds and mousands of	
	Stars with gas and dust.	

Day:		
	Classification OF Galaxies : According	
	to Shape:	
	a - Elliptical Chalaxies	
	Elliptical galaxis are the most aburdant	
	type of jalaxies. Due to their age and olim quelities,	
	they are outshore by yourger, brighter collection of stars	
	Eyample	
	Eo to E7	
	V V	
	b- Spiral Galaxis	
	The story, gas and dust are gathered in	
	Appirel arms that spreed outwards from the pelacy	
	enter	
	They are classiful as new tightly they wound	
	their spirel arms are Sa, Sb, Sc.	
ha .	4/5	
	Sa Sb Sc	
	Milky way, where we live in also a	
	spiral salvy	

Day:_	Date:	
	C- Irrepular Galaxy	
	The galaxies that have no particular shape.	
	They are the smallest galaxin and fell of dust and gas. Their	
	Star formatia are due to the presence of san and dust	
	Black Hole:	
	Mony galaxis are thought to have centain	
	black helps in the centre. Black hale has very high	
	density and gravitational pull that it is difficult for	
	any thing even light to escape from it	
	Q1-	
	8	
	TSUNAMI	
	Definita	
	A seein of warms that are produced due to the	
	sudden disturbance guide the water's surface is celly	
	Teurani. The are also called seismic waves	
	We all the second of the secon	
	cause of Tsurami:	
	, an Earth quakes	
	b, Volcanic crupting	
	19 Asteriodo crashing the ocean	
	(d) Undersea landslide	

Day	Datè:	
	Formation of Fsunami:	
., _	1) Townsoni occurs who an earthquete verticely shift	
	the see had my several meters, displacing hundred of	
	eilumete y seewalt.	
	2- Large waves treat rippling across the ocean away	
,	from earthqualus epicenta	-
	3- In deep water bound ni moved at speed of up to	
	goo um/h.	
	Characteristics of Tsunami	
	Distance from one wavelength another is between	
	loo and 300 km. wave height small in the open see.	
	· they can franch up to 1000 km/h. They are net dangerous	•
	in open stap water.	
	From However, in coastal array, water level	
V	is shallow, the wave will slow down but the height	
	increase up to so meter high.	
	CYCLONE AND TYPHOONS	
	Both cyclones and typhoons due the Tropical	
	cyclones. They originates over the oceans in tropical	
	and wastel regions.	

Day:	Date:		1
	Typhoons:		-
	type of tropical cyclone that occur in		1
	western Worth Pacific especially in near Japan		1
	Cyclones:		+
	The region except Japan, East and wast USA,		-
	and the wostern worth pacific, the rest of the		_
	ares may have cyclones.		-
	Formation of Tropical Cyclene:	7	
	In every cyclone there is		
	a. Lour pressure are		
	b / High pressure area		
	Dute are of cyclone convists of wol air coming		
	from high pressure aree while surrounds the central		
	produce are. It is celled the eye of the sterm		
700			
	The state of the s		_
			_