



BRAINWARE UNIVERSITY

Term End Examination 2023 Programme – B.Sc.(MLT)-2019/B.Sc.(MLT)-2020 Course Name – Immunopathology Course Code - BMLT504 (Semester V)

Full Marks: 60 Time: 2:30 Hours
[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A (Multiple Choice Type Question) 1 x 15=15 Choose the correct alternative from the following: (i) Show the HIV belongs to which of the following families of virus? a) Reovirus b) Lentivirus c) Togavirus d) Adenovirus (ii) Select AIDS is a) Endemic b) Epidemic c) Pandemic d) Sporadic (iii) Evaluate which of the following types of hypersensitive reactions is antibody mediated a) Type I b) Type II c) Type III d) All of theses (iv) Interpret which one of the following is a cell mediated hypersensitive reaction a) Type I b) Type II c) Type III d) Type IV (v) Select Which of the following immunity is obtained during a lifetime? a) Acquired immunity b) Active immunity c) Passive immunity d) Active and passive immunity (vi) Choose How many types of antibodies are there? a) Five b) Two c) Three d) Four (vii) Select Which of the following cells is involved in cell-mediated immunity? a) Leukaemia b) T cells d) thrombocytes c) Mast cells (viii) Focus on which of the following statement is true about Hepatitis-C'

b) Most Common indication for liver

d) Doesn't cause co-infection with

transplant

Hepatitis-B

a) DNA Virus

c) Does not cause liver cancer

(ix)	the following intrauterine infection can be held Responsible?			
	a) CMV	b) Treponema Palidum		
	c) Varicella	d) Rubella		
(x)	Select Live attenuated Vaccines are A			
	a) Measles	b) Rabies		
/:\	c) Oral Polio	d) Yellow Fever		
(XI)	Select what is antigen	13 the alliand morticle		
	a) its a protein particlec) its a peptide particle	b) its a lipid particled) its a carbohydrate particle		
(xii) Select Major Histocompatibility Complex is a tight cluster of linked				
(////	a) Carbohydrates	b) Proteins		
	c) Genes	d) Lipid molecules		
(xiii		ypeptide is important for the expression of MHC	2	
	a) Interferons	b) IL2 microglobin		
	c) Lymphokines	d) Interleukins		
(xiv	Select name the cell which receives a	antigen presented by MHC molecule		
	a) Nk cells	b) B-cells		
	c) T-cells	d) Macrophages		
(xv)	Select the after blood transfusion the (FNHTR) occurs due to?	e febrile non-hemolytic transfu-sion reaction		
	a) Alloimmunization	b) Antibodies against donor leukocyto	es and	
		HLA Ag		
	c) Allergic reaction	d) Anaphylaxis		
		Group-B		
(Short Answer Type Questions)			3 x 5=15	
2. Differentiate between T-cell and B- cell (3)				
	3. Mention the 4 types of allergies and write their function			
	4. Choose any three parts of immune systems and explain their roles			
	5. Compare CD4 and CD8			
6. Write a short note on HLA typing			(3)	
c	OR Select one MHC molecule and mention its features (2)			
3	elect one wire molecule and mention	its leatures	(3)	
		Group-C		
	(Long A	Answer Type Questions)	5 x 6=30	
7.	7. Briefly define the difference between innate and adaptive immunosystems with features (5)			
8.	8. Illustrate the different types of Vaccine with example			
9.	9. Mention the different causes of secondary or acquired immunodeficiency diseases			
10. Compare cancer cells and normal cell			(5) (5)	
11. How estimate major cross-matching procedures			(5)	
12.	12. Explain the major function of different antibodies OR (5)			
Mention two types of autoimmune diseases and commune to				
	and the types of autominiting dis	scuses and compare perween these	(5)	

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