BZYCT-141

ASSIGNMENT BOOKLET

Bachelor's Degree Programme

(BSCG) IMMUNOLOGY

Valid from 1st July, 2021 to 30th June, 2022



School of Sciences
Indira Gandhi National Open University
Maidan Garhi
New Delhi-110068
(2021-2022)

Dear Student,

Please read the section on assignments in the Programme Guide for Core Courses that we sent you after your enrolment. A weightage of 30 per cent, as you are aware, has been earmarked for continuous evaluation, **which would consist of one tutor-marked assignment** for this course. The assignment is in this booklet, and it consists of three parts, Part A, B and C. The total marks of all the parts are 100, of which 35% are needed to pass it.

Instructions for Formatting Your Assignments

Before attempting the assignment please read the following instructions carefully:

1)	On top of the first page of your answer sheet, please write the details exactly in the following format:		
	ROLL NO.:		
	NAME:		
	ADDRESS:		
CO	URSE CODE:		
	URSE TITLE:		
ASS	SIGNMENT NO.:		
STU	UDY CENTRE: DATE:		
	EASE FOLLOW THE ABOVE FORMAT STRICTLY TO FACILITATE EVALUATION D TO AVOID DELAY.		
2)	Use only foolscap size writing paper (but not of very thin variety) for writing your answers.		
3)	Leave 4 cm margin on the left, top and bottom of your answer sheet.		
4)	Your answers should be precise.		
5)	Complete each of Part A, Part B and Part C of this assignment separately, and submit then together.		
6)	The assignment answer sheets are to be submitted to your Study Centre as per the schedule made by the study centre. Answer sheets received after the due date shall not be accepted.		

8) You cannot fill the exam form for this course till you have submitted this assignment.

2022-23, and submit it as per the instructions given in the Programme Guide.

We strongly suggest that you retain a copy of your answer sheets.

We wish you good luck.

7)

This assignment is valid from 1st July, 2021 to 30th June, 2022. If you have failed in this

assignment or fail to submit it by June, 2022, then you need to get the assignment for the year

ASSIGNMENT IMMUNOLOGY

Course Code: BZYET-141 Assignment Code: BZYET-141/TMA/2021-2022

Maximum Marks: 100

Note: Attempt all questions. The marks for each question are indicated against it.

		Part-A	Maximum Marks: 50	
1.	Fill	in the blanks:	(5)	
	i)	virus binds to B-cells via type II compleme	ent receptors.	
	ii)	Antibody toxin complex formed is cleared by		
	iii)	A chronic, debilitating disease called schistosomiasis is ca	used by	
	iv)	An occurs when the body attacks its own s and other body constituents.	elf-cells tissues	
	v)	RNAase L that degrades the RNA of the virus is activated called	by an enzyme	
2.	Def	ine the following terms:	(10)	
	i)	Tolerance		
	ii)	Autoimmunity		
	iii)	Phagocytic barriers of innate immunity		
	iv)	Inflammation		
	v)	Epitope		
3.	Exp	and the following terms:	(5)	
	i)	PAMPs		
	ii)	PRPs		
	iii)	DAMPs		
	iv)	MBL		
	v)	ADCC		
4.		Write a comparative note on the role of Thymus and Bone marrow with respect to immune response.		
5.		Explain different pathways that activate complement system and its various effects to eliminate the pathogens. (10		
6.	Explain			
	i)	Precipitation		
	ii)	Neutralization		
	iii)	Agglutination		
	iv)	Opsonisation		
	•	reference to antigen –antibody interactions.		

Maximum Marks: 50

(15)

Part-B

11. Explain any *five* immunological tools and techniques.