

DEV BHOOMI GROUP, SAHARANPUR

B.SC - CBZ/MATH

ASSIGNMENT QUESTIONS - UNIT IV

S.NO	SUBJECT	SUBJECT CODE	TEACHER NAME	COURSE	SEM/YEAR	UNIT	DOA	DOS	QUESTION 1	QUESTION 2
1	MOLECULAR BIOLOGY, BIOINSTRUMENTATIONS BIOTECHNIQUES.	B050301T	SHIVANI THAKUR	B.SC	3	4			WHAT IS FLUORESCENCE?	DESCRIBE DIFFERENT TYPE OF CENTRIFUGES.
2	BOTANY		SHIVANI	B.SC	3rd	4th			What do you understand by Digital taxonomy or (e-flora)?	What is GIS? Discuss its benefits in details?
3	CHEMISTRY		DEEPAK TYAGI	B.SC	3rd	4th			Write a short account of kinetics theory of gases and derive kinetic equation. Derive the equation $PV=nRT$ from kinetic consideration how are different gas laws derived from kinetic equation	what do you understand by critical constant in relation to vander walls equation and critical phenomenon? Calculate the values of critical constant in term of vander walls constant?
4	EM THEORY AND MODERN OPTICS Physics		Ankur Kamboj	B.SC	3	4th			Define Poynting vector? Obtain an expression for Poynting vector.	Explain the phenomenon of reflection and refraction of electromagnetic waves by ionosphere.
5	Algebra Mathematics		Anshul Pundeer	B.sc 2nd	3	4th			Ques-1 Define ring and give its properties.	2 An ideal M of a ring is called a maximal ideal of R if (1) $M \neq R$ (2) If I is any ideal of R containing M , then either $I=M$ or $I=R$
6	Mathematical Method		Anshul Pundeer	B.sc 2nd	3	4th			Find the Fourier series of the function $f(x)=x^2$, -	Find the Fourier to represent e^{ax} for x