## Sessional Examination, 2023

## B.Sc. 3rd Semester

## SEC - 03

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	Time: 1,30 h	Marks: 40
		[1+3=4]
1.	What is fertilizer. Explain about different types of fertilizers.	[2×2=4]
2.	Answer any two of the following	ure of Ammonium
	(a) Manufacture of Urea (b) Manufacture of Ammonia Nitrate (c) Manufact	a need to
	Phosphate	[1]
8.	Why pigments Show Colors?	evample of each
A.	What is surface coating? What is the major component of a coating agent? Give	[1+3=4]
	component?	[1X3=3]
8.	Write any Three	
	i) Oil painting ii) Fillers and thinners iii) Dyes iv) Metallic Coating	[1x2=2]
6.	Answer the following:	
	A. In a lead-acid battery the energy is stored in the form of?	erav
	a) charged ions b) chemical energy c) electrostatic energy d) electromagnetic en	CIBJ
	B. Dry cell is modification of?	
2 27 81	a) Deniel cell b) Leclanche cell c) Lead-acid cell d) Edison cell.	es. [3]
7.	What are the differences between Primary and Secondary Batteries with example	[3]
8.	Explain the working of Solid-state electrolyte battery	[4x2=8]
9.	Answer any two  a. What is superphosphate fertilizer? How superphosphate fertilizer is synthesis.	esised? Give
e en	a. What is superphosphate fertilizer? How superphosphate retailing	
α π <sup>2</sup> = 1	application of superphosphate fertilizer.  b. What is potassium chloride fertilizer? How potassium chloride fertilizer is	s synthesised? Give
ти ж е с	a haride fertilizer.	
	application of potassium chloride fertilizer.  c. What is potassium sulphate fertilizer? How potassium sulphate fertilizer	is synthesised? Give
i go o	application of potassium sulphate fertilizer.	
2 W 2 W 2 E		[2x4=8]
10. Short Note (any four)  (a) Glassy state and its properties (b) Manufacture and processing of glass (c) Composition and their applications (e)		
	(a) Glassy state and its properties (b) Wallacters (b) Wallacters (c) Wallacters (c) Wallacters (d) High technology ceramics and their approperties Soda lime glass, lead glass (d) High technology ceramics and their approperties (d) Wallacters (d)	plications (e)
	properties soua fillo glass, 1222 g	· · · · · · · · · · · · · · · · · · ·

fullerenes carbon nanotubes and carbon fibre.