M 9940

Reg. No.:.... Name : ..... V Semester B.A./B.Sc./B.Com./B.B.A./B.B.A.T.T.M./B.B.A.R.T.M./B.B.M./ B.C.A./B.S.W./B.A. Afsal-Ul-Ulama Degree (CCSS-Reg./Supple./Imp.)

Examination, November 2015 **Open Course** 

	5D0	CHE : CHEMISTRY	IN SERVICE TO	MAN
Time: 2 Hours			Max. Weightage: 20	
Instructions: 1) Section A: Answer all Each bunch carries a			questions. Choose to veightage of <b>1</b> .	he correct answer.
	2)	Section B: Answer any weightage of 1.	six questions. Each	n question carries a
	3)	Section C: Answer any a weightage of 2.	four questions. Eac	ch question carries
	4)	Section <b>D</b> : Answer <b>any</b> weightage of <b>4</b> .		
		SECTION		10. What are furniga
1. 1)	Which of the following is a natural polymer?			
a) Polystyrene			b) Silk	
	c) PVC		d) Teflon	
2)	"Artificial Silk"	is a synonym for		
	a) Thiokol	b) Nylon	c) Kevlar	d) Rayon
3)	Which of the following is considered as a behaviour altering agent?			
	a) Pheromone		b) Pesticide	
	c) Disinfectant		d) Insecticide	
4)	The major con	nponent of natural gas is	eon (hormoplasics)	
	a) Butane		b) Benzene	
	c) Methane		d) Naphthalene	
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II. 5) Which of the following glasses is used in the manufacture of lenses?

a) Flint glass

b) Pyrex glass

c) Soda glass

d) Safety glass

6) Penicillin is an

a) Antipyretics

b) Analgesics

c) Antihistamine

d) Antibiotics

7) Which of the following methods is used for the desalination of brackish water?

a) Electrolysis

b) Electrodialysis

c) Chlorination

d) Electrophoresis

8) Permanent hardness of water can be removed by adding

a) Gypsum

b) Calcium chloride

c) Sodium carbonate

d) Lime

(Weightage 2×1=2)

## SECTION-B

9. What is meant by vulcanisation?

10. What are fumigants? Give an example.

11. Give the raw materials for making NPK fertilizers.

12. What are bio-fertilizers?

13. Define calorific value of fuel.

14. What are the important raw materials for the manufacture of Portland cement?

15. Give the important ingredients of lipstick.

16. What are analgesics?

17. Explain the term 'temporary hardness'.

18. What are the disadvantages of hard water?

(Weightage 6×1=6)

## SECTION - C

19. Distinguish between thermoplastics and thermosetting plastics.

 Write a short on the impact of excessive use of fertilizers and pesticides on environment.

21. Explain the classification of fuels.

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- 22. What are fuel cells? Explain the different types of fuel cells.
- 23. Briefly explain the different types of glasses.
- 24. What are the important ingredients of toothpaste?
- 25. Explain the terms i) Antiseptic ii) Disinfectant.
- 26. Distinguish between BOD and COD.

(Weightage 4×2=8)

## SECTION - D

- 27. Explain the general characteristics and applications of the following polymers.
  - i) Polythene
  - ii) Teflon
  - iii) Nylon 66
  - iv) Bakelite.
- 28. Write a short note on the following medicines.
  - i) Antibiotics
  - ii) Sulpha drugs
  - iii) Tranquillizers
  - iv) Antipyretics.
- 29. Discuss the methods used for the desalination of brackish water.

(Weightage 1×4=4)