Re	g. No
	B.Sc. DEGREE END SEMESTER EXAMINATION OCTOBER 2017
SEN	MESTER – 3: CHEMISTRY (COMPLEMENTARY COURSE FOR ZOOLOGY AND BOTANY)
	COURSE: 15U3CPCHE3.2 – INORGANIC AND BIO-INORGANIC CHEMISTRY
	Common for Regular (2016 Admission) & Supplementary / Improvement (2015 Admission)
Tim	e: Three Hours  Max Marks: 60
	e. Three flours
	SECTION A
	(Answer all questions, 1 mark each)
1.	The metal ion present in Vitamin B <sub>12</sub> is
2.	The gamma isomer of BHC is called
3.	The plant type ferredoxine contains active center
4.	In RNA, the sugar unit present is
5.	Cis Platin is a drug
6.	Main constituent of the pain reliever "lodex' is
7.	One plant growth hormone is
8.	The increasing accumulation of insecticides in higher organism is called
	PART B
	(Answer any 6 questions, 2 marks each)
9	Define exergonic reation. Give one example.
	Write the structure of DDT.
	Give an account of elementary structure of ATP and ADP
	What are holoezymes?
13.	·
14.	What is Aspirin? How does it differ from Dispirin
	What does NPK value indicate?
16.	Name two compounds used as anti-depressants
	$(2 \times 6 = 12)$
	PART C
17	(Answer any 4 questions, 5 marks each) Write a note on sodium potassium pump?
	Explain photophosphorylation.
	What is myoglobin? How is it formed
	What do you mean by drug addiction? How it can be prevented.
	- What do you mean by drug addictions how it can be prevented

22. Distinguish between photosynthesis and respiration

 $(4 \times 5 = 20)$ 

## **SECTION D**

(Answer any 2 questions, 10 marks each)

- 23. (A) What are fungicides? How Bordeaux mixture and dithiocarbamates acts as effective Fungicides?
  - (B) Explain how excessive use of pesticides becomes an environmental hazard.
- 24. (A) Write critical note on (1) antibiotics (2) sulpha drugs
  - (B) Explain chelation theory? Explain how it is used to treat excess copper, iron and mercury in human body.
- 25. (A) Write a note on carbonic anhydrase and cytochrome oxidase
  - (B) Discuss the structure and functions of of DNA and RNA
- 26. (A) What are antipyretics and analgesics? Describe.
  - (B) Explain Photosynthesis on the basis of photosystem I and II

 $(10 \times 2 = 20)$ 

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