

[Total No. of Questions: 5] Seat No:

[Total No. of Pages: 1]

G H Raison College of Engineering and Management, Pune.

(An Autonomous Institution)

F.Y B. Tech (Engineering)

Second Term, 2020-21

CAE-II(2020 Pattern)

Subject: Environmental Chemistry

[Time:-- 1 Hours]

[Max. Marks-15]

COURSE OUTCOME:

1. Explain various methods of water treatment for domestic and industrial use
2. Differentiate various categories of waste and its disposal techniques
3. Identify various batteries and recognize its commercial applications
4. Classify the different types of Energy and its future scope
5. Apply the knowledge of environmental pollution and degradation to solve related problems

Instructions to the candidates:

- 1) (CO1/CO2/CO....)at the beginning of question/sub question indicates the course outcome related to the question.
- 2) All questions compulsory.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Figures to the right indicate full marks.
- 5) Assume suitable data, if necessary.
- 6) Other Instructions, if any.

<i>CO</i>	<i>Sub Question</i>			<i>BL</i>
CO3	a)	On the basis of understanding explain charging and discharging reactions of lead acid battery.	[3]	2
	OR			
	b)	Apply your knowledge to write working of fuel cell with anodic and cathodic reactions with proper diagram.	[3]	3
	c)	Apply your knowledge to write and explain the different components of battery with its functions.	[3]	3
CO4	a)	Explain the working of solar cooker with a proper diagram also give its advantages.	[4]	2
	b)	On the basis of your understanding explain biogas plant working with proper diagram.	[5]	2