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Total No. of Questions :4] SEAT No. :

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[5315]-242
S.Y.B.Sc.(Vocational-II)
INDUSTRIAL CHEMISTRY
Voc-222 : Industrial Pollution
(2013 Pattern) (Semester-II) (Paper - II)

Time : 2 Hours] *[Max. Marks : 40*

Instructions to the candidates:

1) ***All questions are compulsory.***
2) ***Figures to the right indicate full marks.***
3) ***Draw neat diagrams wherever necessary.***

Q1) Answer the following. **[16]**

a) Define night soil.

b) Describe the term 'atmosphere'.

c) What are trickling filters?

d) Describe lagooning.

e) Explain the term 'Electrodialysis'.

f) Name two green house gases.

g) Name the chemical constituents of London smog.

h) Write two ill effects of NO_X.

Q2) Attempt any two of the following. **[8]**

a) Write a note on "Dairy wastes".

b) Discuss radiation pollution.

c) Distinguish between BOD and COD.

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Q3) Write short notes on any two of the following. **[8]**

a) Thermal precipitator.

b) Reverse Osmosis

c) Photochemical smog.

Q4) Explain aerobic and anaerobic digeston process in sludge treatment. **[8]**

OR

Explain the source, hazardous effects of co pollution on human health. **[8]**

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