Reg. No.:	
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## **Question Paper Code: 58966**

## B.E. / B.Tech. DEGREE EXAMINATION, MAY 2018

One credit Course

**Chemical Engineering** 

## 15UCH866 - POLLUTION CONTROL ENGINEERING

(Regulation 2015)

Dura	ation: 1.30 hours	Maximum: 100	Maximum: 100 Marks			
		Ansv	wer ALL Questions			
		PART A	$A - (10 \times 1 = 10 \text{ Marks})$			
1.	CPCB, a technical wind works under the Ministry of					
	(a) Environment a	and Forest	(b) Health			
	(c) Rural Development		(d) Uraban Developmen	t		
2.	Excess fluoride in	water may cause			CO1-R	
	(a) straining of to	eeth excess	(b) urine			
	(c) diahhrea		(d) inflammation of le	ever		
3.	First emission norms were introduced for petrol Engine in the year				CO1-R	
	(a) 1981	(b) 1991	(c) 1995	(d) 1997		
4.	This is not a Gree	en House gases			CO1-R	
	(a) CH <sub>4</sub>	(b) N <sub>2</sub> O	(c) O <sub>3</sub>	(d) $N_2$		
5.	Which pollutant g	as dissolved with h	uman blood faster than oxygen		CO1-R	
	(a) SO <sub>2</sub>	(b) CO	(c) O <sub>3</sub>	(d) $N_2O$		
6.	The Pollution Standard Index (PSI) scale has span from					
	(a) 0-200	(b) 0-300	(c) 0-400	(d) 0-500		

CO2-R

The size of suspended solids lies in the range of

7.

	(a)	10 <sup>-3</sup> to 10 <sup>-6</sup> mm	(b) $10^3 - 10^6$ m	m (c) $10^{-1}$	– 10 <sup>-3</sup> mm	(d) $0^1$ –	$10^3 \text{ mm}$
8.	The	maximum permis	sible limit for susp	pended solids is			CO2-R
	(a)	10 mg/l	(b) 20 mg/l	(c) 30 mg/l		(d) 40 r	ng/l
9.	Susp	pended solids are	measured by				CO2-R
	(a)	Turbidity rod		(b)	Gravimetric test		
	(c)	Chromatography	7	(d)	Jackson's turbidi	ty meter	
10.	The	boiler flue gas is	source of				CO2-R
	(a)	HC1	(b) NO	(c) HF	(d) Volatile org	ganic con	npounds
			PART – F	$3 (5 \times 2 = 10 \text{Mark})$	as)		
11.	Wha	at is pollution con	trol?				CO1-R
12.	Explain the terms (i)Contaminants (ii) Disinfection						CO1-R
13.	. List out some of the regulations on waste water Engineering.						CO1-R
14.	Write some important properties of tracers.						CO2-R
15.	Exp	lain "Reclamation	·".				CO2-R
			PART -	- C (2x 15= 30 M	larks)		
16.	(a)	Give the detailed	l account of history	y of air pollution	. (	CO1-U	(15)
	, ,		Or	•			, ,
	(b)	Explain in detail in india.	ed about the air po	llution regulator	y frame work C	CO1-U	(15)
17.	(a)	Give the detail a country level.	ccount of the curre	ent environmenta	l issues at C	CO2-U	(15)
			Or				

(b) Explain in detail about the Principles of sustainable development.

CO2-U

(15)