

## DPP

DAILY PRACTICE PROBLEMS

Class : XII<sup>th</sup>

Date :

**Solutio**

Subject : CHEMISTRY

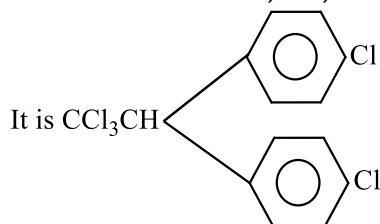
DPP No. : 2

### Topic :- Chemistry in Everyday Life

1

(b)

DDT is an insecticide, *i. e.*, the drug which kills insects,



2

(a)

Some rocket fuels are given below:

1. Saturn booster rocket : Kerosene + Liquid  $\text{O}_2$  for initial stage, liquid  $\text{O}_2$  + Liquid  $\text{H}_2$  for higher stage.
2. Titan ballistic missile : Hydrazine +  $\text{N}_2\text{O}_4$
3. Space shuttle : Liquid  $\text{H}_2$  + Liquid  $\text{O}_2$
4. Proton (Russian rocket) : Kerosene + Liquid  $\text{O}_2$
5. SLV (Space launch vehicle) and ASLV (Augmented space launch vehicle) : Solid propellant
6. PSLV (Polar space launch vehicle - an Indian rocket recently launched) : Solid propellant in 1<sup>st</sup> and 3<sup>rd</sup> stage and biquid propellant like  $\text{N}_2\text{O}_4$  + Unsymmetrical dimethyl hydrazine (UDMH) in the second stage and  $\text{N}_2\text{O}_4$  + Monomethyl hydrazine in the fourth stage

4

(a)

A mordant is any substance which can be fixed to the fibre and which can be dyed later on. Mostly hydroxides or basic salts of chromium, aluminium and iron are used as mordants. A dye which imparts different colours in the presence of different mordants is referred to as a mordant dye, e.g., alizarin is a mordant dye. When mordanted with aluminium salt solution, it imparts rose-red colour to fabric but the same fabric is dyed blue when it is mordanted with barium salt and it dyes violet is mordant with ferric salt.

5

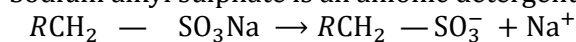
(d)

Phenol is antiseptic as well as disinfectant (Kills bacteria).

6

(d)

Sodium alkyl sulphate is an anionic detergent as it gives anion which acts as surfactant.



Sodium alkyl sulphate                      anionic part

8

(c)

Liquid hydrogen and liquid oxygen are good fuel.

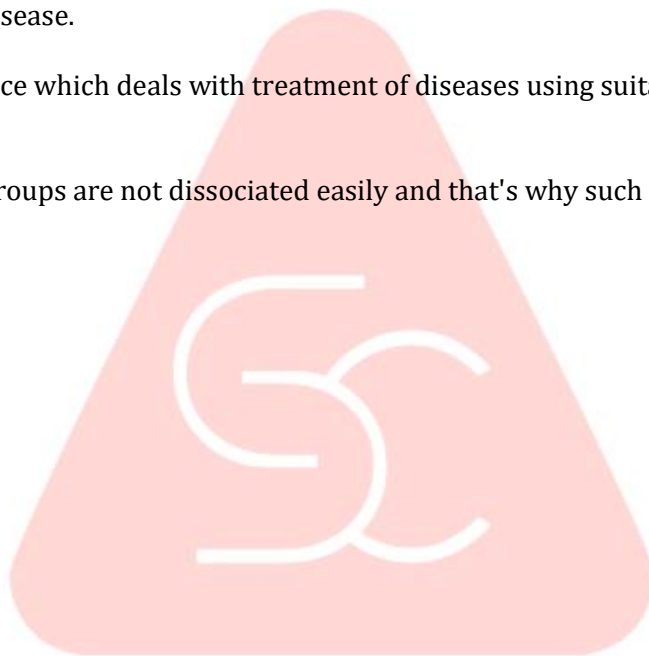
9

(a)

Heroin is not a tranquillizer, it is a narcotic analgesic



- 11 (c)  
Cationic detergents are also called invert detergents. Tri methyl cetyl ammonium bromide, being a quaternary ammonium salt is a cationic detergent
- 13 (d)  
Bacteriostatic drugs inhibit the growth of organism while bactericidal drugs kill the microorganisms
- 14 (c)  
Biliquid propellant : A double base propellant is a high strength, high modulus gel of cellulose nitrate (gun cotton) in glyceryl trinitrate or a similar solvent.
- 17 (c)  
 $C_{10}H_{17}OH$  (Geraniol) a liquid terpene alcohol forms ester of rose odour with  $HCOOH$ .
- 18 (c)  
It is a bacterial disease.
- 19 (b)  
A branch of science which deals with treatment of diseases using suitable chemical is known as chemotherapy
- 20 (c)  
Branched alkyl groups are not dissociated easily and that's why such compounds are non-biodegradable



ANSWER-KEY										
Q.	1	2	3	4	5	6	7	8	9	10
A.	B	A	C	A	D	D	B	C	A	C
Q.	11	12	13	14	15	16	17	18	19	20
A.	C	A	D	C	D	B	C	C	B	C



**SMARTLEARN  
COACHING**