

## DPP

DAILY PRACTICE PROBLEMS

Class : XII<sup>th</sup>

Date :

Solutio

Subject : CHEMISTRY

DPP No. : 1

### Topic :- Chemistry in Everyday Life

- 1 (b)  
 $\gamma$ -isomer of BHC is called gammexane.
- 5 (c)  
It is a fact.
- 7 (c)  
Aspirin is a moderate acid ( $pK_a = 3.5$ ), hence is almost unionized in stomach due to strong acidic medium of it (because of HCl). It is due to common ion effect.  
While in small intestine, the medium is alkaline, hence aspirin will be sufficiently ionized in small intestine.
- 8 (b)  
The molecules which contain both the oxidizer and the fuel elements in the same molecule are called double base propellants, e.g., nitroglycerine and nitrocellulose. In this nitrocellulose gels in nitroglycerine and sets to a solid mass.
- 9 (d)  
All are characteristics of vanillin.
- 10 (b)  
*Trans* form of indigo is more stable.
- 11 (d)  
Sr<sup>2+</sup> – red  
Mg<sup>2+</sup> – violet  
Al<sup>2+</sup> – pink  
Ba<sup>2+</sup> – blue  
Alizarin is a mordant dye. It gives different colour to the fabric with different metal ions.
- 12 (c)  
It is herbicide (kill herbs).
- 13 (b)  
Rocket propellant are used as fuel for space rockets.
- 14 (a)  
Paracetamol is an antipyretic. It is used to lower the temperature of the body in high fever.
- 15 (a)  
Follow preparation of malachite green.
- 16 (a)  
It is a fact.
- 17 (d)  
Ofloxacin is used as antibiotic
- 18 (b)  
It is a fact.
- 19 (b)  
Amphetamine is used as antidepressant drug.



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



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