

DPP

DAILY PRACTICE PROBLEMS

CLASS : XIIth
DATE :

SOLUTION

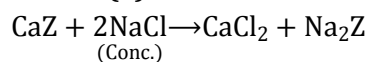
SUBJECT : CHEMISTRY
DPP NO. : 7

Topic :-HYDROGEN

1 (c)

Heavy water is used as a moderator to slow down the speed of fast moving neutrons and as well as a coolant

2 (a)



3 (c)

It is fact.

5 (c)

Both are V-shaped.

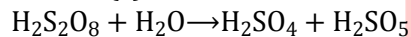
6 (c)

No such reaction exists.

7 (c)

Potassium reacts violently with acids.

9 (c)



10 (b)

It is a fact.

11 (b)

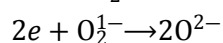
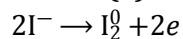
It is a fact.

12 (c)

Alkaline earth metal salts are causing hardness :

Temporary hardness caused by soluble Ca and Mg hydrogen carbonates. Calcium and magnesium soluble sulphates and chlorides cause permanent hardness.

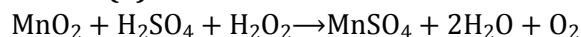
14 (a)



15 (d)

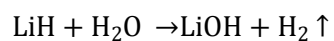
Electrolysis of 50% sulphuric acid gives per disulphuric acid ($\text{H}_2\text{S}_2\text{O}_8$) which on distillation yields 30% solution of hydrogen peroxide

16 (b)



17 **(d)**

Ionic hydrides give basic solution when reacts with water *e.g.*,



18 **(b)**

Only Mg and Mn react with cold dil. HNO_3 to give H_2 .

19 **(b)**

Thenard obtained H_2O_2 for the first time.

20 **(a)**

Ortho and *para* hydrogen show different spin in a hydrogen molecule, hence, these are not the isotopes

PE

ANSWER-KEY

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

PE