

c)inductive effect

d)steric hinderance

17.Among the following acid which has the lowest pKa value?

a)CH₃COOH

b)HCOOH

c)(CH₃)₂CH-COOH

d)CH₃CH₂COOH

18.Elimination of bromine from 2-bromobutane results in the formation of

a)equimolar mixture of 1 and 2-butene

b)predominantly 2- butane

c) predominantly 1- butane

d) predominantly 2- butyne

19.The value of the spin only magnetic moment for one of the following configuration is 2.84BM.The correct one is

a)d⁴(in strong ligand field)

b)d⁴(in weak ligand field)

c)d³(in weak as well as in strong field)

d)d⁵ (in strong ligand field)

20.Equivalent weight of anhydrous oxalic acid is

a)45

b)54

c)36

d)60

ANSWERS OF SET-5

Questions	Answer
1	D
2	B
3	D
4	B
5	A
6	B
7	B
8	A
9	A
10	C

11	A
12	A
13	A
14	B
15	B
16	C
17	D
18	B
19	B
20	D