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Question Number : 4 Question Id : 192732754 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

Isothermal compressibility kT = _____

సమోష్ణ (ఐసోథర్మల్) సంపీడనీయత kT =_____

Answer: DELETED

Question Number : 6 Question Id : 192732756 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

Cv equal to

Cv దీనికి సమానం

Answer:

2. $T(\partial S/\partial T)_V$

3. $(\partial u/\partial T)$

Question Number : 7 Question Id : 192732757 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

One mole of an ideal gas (Cr =40 JIC ton^{-1}) at STP is heated to 1.5 times its temperature at content volume. Calculate W & qv.

STP వద్ద ఒక మోల్ ఆదర్శ వాయువు (Cr =40 JIC ton^{-1}) ఘనపరిమాణాంశము (కంటెంట్ వాల్యూమ్) వద్ద దాని ఉష్ణోగ్రతకు 1.5 రెట్లకు వేడి చేయబడింది. W మరియు qv లను లెక్కించండి.

Answer: DELETED

Question Number : 14 Question Id : 192732764 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

Radioactive phosphorus is used in treatment of _____

రేడియోధార్మిక భాస్వరాన్ని _____ చికిత్సలో ఉపయోగిస్తారు.

Answer: DELETED

Question Number : 15 Question Id : 192732765 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

Nucleotides with high N/P ratio undergo _____

అధిక N/P నిష్పత్తి కల న్యూక్లియోటైడ్లు _____ కి లోనవుతాయి.

Answer: DELETED

Question Number : 23 Question Id : 192732773 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

$[B_6N_6]^{2-}$ is

$[B_6N_6]^{2-}$ అనేది

Answer: DELETED

Question Number : 28 Question Id : 192732778 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

The ligand in M-C=O is

M-C=O లోని లిగాండ్

Answer: DELETED

Question Number : 37 Question Id : 192732787 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

CO_3^{2-} has a___

CO_3^{2-} దీనిని కలిగి ఉంటుంది

Answer:

1. sp^2

4. Sp^2

Question Number : 45 Question Id : 192732795 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

The polarizability of amines is highest for _____

అమైన్ల ధృవణీయత (పోలరైజబిలిటీ) _____కి అధికంగా ఉంటుంది.

Answer: DELETED

Question Number : 48 Question Id : 192732798 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

Under strong field the CFSE for $t_2g^3eg^1$ set is given by _____

బలమైన క్షేత్రం క్రింద $t_2g^3eg^1$ సెట్‌కు CFSE _____ చే ఇవ్వబడుతుంది

Answer: DELETED

Question Number : 50 Question Id : 192732800 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes I Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

The total number of M-M bonds in $Fe_2(CO)_9$ and $Co_4(CO)_{12}$ are

$Fe_2(CO)_9$ మరియు $Co_4(CO)_{12}$ లలో మొత్తం M-M బంధాల సంఖ్య

Answer: DELETED

Question Number : 56 Question Id : 192732806 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

The CFSE for $[C_6F_6]^{4-}$ is $Co^{+2} = 3d^74S^2$

$[C_6F_6]^{4-}$ కు CFSE, $Co^{+2} = 3d^74S^2$

Answer: DELETED

Question Number : 58 Question Id : 192732808 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

Order of energy of electron transition is

ఎలక్ట్రాన్ పరివర్తనం యొక్క శక్తి క్రమం అనేది

Answer:

3. $n\text{-}\pi^* < \pi\text{-}\pi^* < n\text{-}\sigma^* < \sigma\text{-}\sigma^*$

Question Number : 61 Question Id : 192732811 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

Figure print region range from

ఫిగర్ ప్రింట్ ప్రాంత వ్యాప్తి ఎక్కడినుండి ఉంటుంది

Answer: DELETED

Question Number : 62 Question Id : 192732812 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

+I and –I effects can be

+I మరియు –I ప్రభావాలు _____

Answer:

3. +decrease $\tilde{\nu}$ and –I increase $\tilde{\nu}$
+I కు $\tilde{\nu}$ తగ్గుతుంది మరియు –I కు $\tilde{\nu}$ పెరుగుతుంది

4. –I increase $\tilde{\nu}$ and +I decrease $\tilde{\nu}$
–I కు $\tilde{\nu}$ పెరుగుతుంది మరియు +I కు $\tilde{\nu}$ తగ్గుతుంది

Question Number : 73 Question Id : 192732823 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

Calculate λ_{max} for the following compound

ఇచ్చిన సమ్మేళనానికి λ_{max} ను లెక్కించండి

Answer: DELETED

Question Number : 80 Question Id : 192732830 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

Which of the following compound is an alkaloid?

క్రింది సమ్మేళనాల్లో ఆల్కలాయిడ్ ఏది?

Answer:

1. Ephedrine
ఎపిడ్రిన్

2. Caffeine
కెఫిన్

3. Nicotine
నికోటిన్

Question Number : 111 Question Id : 192732861 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

A system absorb 2×10^{16} quanta of radiation per second. When it is irradiated for 15 minutes it is found that $3 \times 10^4\ mole$ of the reactant has reacted. The quantum yield of the reaction is _____.

ఒక వ్యవస్థ ప్రతి సెకనుకు 2×10^{16} క్వాంటా రేడియేషన్‌ను శోషిస్తుంది. అది 15 నిమిషాల పాటు వికిరణం చెందినప్పుడు, $3 \times 10^4\ mole$ రియాక్టెంట్ అనేది చర్య జరిపినట్లు కనుగొనబడింది. ఈ చర్యకు సంబంధించి వెలువడే క్వాంటమ్ ఈల్డ్(దిగుబడి) _____.

Answer: DELETED

Question Number : 118 Question Id : 192732868 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

According to the collision theory of kinetics, which of the following factors best accounts for the fact that not all collisions result in a reaction?

కైనెటిక్స్ యొక్క అభిఘాత సిద్ధాంతం ఆధారంగా, అభిఘాతాలన్నీ చర్యలకు దారితీయవు అనే వాస్తవాన్ని ఉత్తమంగా తెలిపే కారకాలు ఏమిటి?

Answer:

1. The energy of the colliding molecules
అభిఘాతం చెందే అణువుల శక్తి

2. The energy of the activated complex.
యాక్టివేట్ చెందిన సంక్లిష్టం యొక్క శక్తి

4. The orientation of the molecules at the moment of collision.
అభిఘాతం చెందే సమయంలో అణువుల విన్యాసం(ఓరియంటేషన్).

Question Number : 127 Question Id : 192732877 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Is Question Mandatory : No Single Line Question Option : No Negative Marks Display Text : 2/3 Option Orientation : Vertical Correct Marks : 2 Wrong Marks : 0.66

According to the Arrhenius equation, the correct relation between specific rate (k), temperature(T) and activation energy (E_A) is:

అర్హినియస్ సమీకరణం ప్రకారం, విశిష్ట రేటు (k), ఉష్ణోగ్రత (T) మరియు యాక్టివేషన్ ఎనర్జీ (E_A) ల మధ్య సరైన సంబంధం:

Answer:

1. $k = A.e^{-E_a/RT}$