Unit 11 - Week 10

Week 10 Assignment

The due date for submitting this assignment has passed. Due on 2017-10-04, 23:59 IST.
As per our records you have not submitted this assignment.

1) The point above which a antiferromagnetic system acts as paramagnetic center is called
   \[ \text{Curie point} \]
   \[ \text{Curie-wise point} \]
   \[ \text{Neel point} \]
   \[ \text{inflexion point} \]

   \text{No, the answer is incorrect.}
   \text{Score: 0}
   \text{Accepted Answers:}
   \text{Neel point}

2) For orbital contribution in magnetic moment which is INCORRECT statement?
   \[ \text{orbitals must be non-degenerate to each other} \]
   \[ \text{they should have same shape} \]
   \[ \text{they should not contains electrons of same spin} \]
   \[ \text{Both A & C} \]

   \text{No, the answer is incorrect.}
   \text{Score: 0}
   \text{Accepted Answers:}
   \text{orbitals must be non-degenerate to each other}

3) Transition metal halides and oxides generally shows
   \[ \text{diamagnetism} \]
   \[ \text{antiferromagnetism} \]
   \[ \text{ferromagnetism} \]
   \[ \text{ferrimagnetism} \]

   \text{No, the answer is incorrect.}
   \text{Score: 0}
   \text{Accepted Answers:}
   \text{antiferromagnetism}

4) In complex CO is stronger than CN\(^{-}\), this explains by
   \[ \text{VBT} \]
   \[ \text{MOT} \]
   \[ \text{LFT} \]
   \[ \text{CFT} \]
No, the answer is incorrect.
Score: 0

Accepted Answers:
LFT

5) According to ligand field theory nonbonding orbitals are 2 points
- \( d_{xy}, d_{zx}, d_{yz} \)
- \( d_{x^2}, d_{y^2}, d_{z^2} \)

No, the answer is incorrect.
Score: 0

Accepted Answers:
\( d_{xy}, d_{zx}, d_{yz} \)

6) Three set of p-orbitals designated by 2 points
- \( a_{1g} \)
- \( t_{1g} \)
- \( t_{2g} \)
- \( t_{1u} \)

No, the answer is incorrect.
Score: 0

Accepted Answers:
\( t_{1u} \)

7) Group of orbitals responsible for S-bonding formation is 2 points
- \( A_{2g} \)
- \( e_g \)
- \( T_{2g} \)
- \( T_{1g} \)

No, the answer is incorrect.
Score: 0

Accepted Answers:
\( e_g \)

8) Above curie point ferromagnetic samples act as 2 points
- paramagnetic
- diamagnetic
- ferromagnetic
- antiferromagnetic

No, the answer is incorrect.
Score: 0

Accepted Answers:
paramagnetic

9) How many types of orbital may seen in a imine bond of a schiff base 2 points
- S bonding
- S bonding & p bonding
- p bonding
- s, p & n bonding

No, the answer is incorrect.
Score: 0
Accepted Answers:
s, p & n bonding