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Courses » Co-ordination Chemistry (Chemistry of Transition Elements)

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Unit 11 - Week 10

Course outline

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- Lecture 31 : Magnetic Measurements
- Lecture 32 : Ligand Field Theory
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- Quiz : Week 10 Assignment
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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 *2 points*

- Curie point
- Curie-wise point
- Neel point
- inflexion point

No, the answer is incorrect.
Score: 0

Accepted Answers:
Neel point

2) For orbital contribution in magnetic moment which is INCORRECT statement? *2 points*

- orbitals must be non-degenerate to each other
- they should have same shape
- they should not contains electrons of same spin
- Both A & C

No, the answer is incorrect.
Score: 0

Accepted Answers:
orbitals must be non-degenerate to each other

3) Transition metal halides and oxides generally shows *2 points*

- diamagnetism
- antiferromagnetism
- ferromagnetism
- ferrimagnetism

No, the answer is incorrect.
Score: 0

Accepted Answers:
antiferromagnetism

4) In complex CO is stronger than CN^-, this explains by *2 points*

- VBT
- MOT
- LFT
- CFT

No, the answer is incorrect.
Score: 0

Accepted Answers:
LFT

5) According to ligand field theory nonbonding orbitals are *2 points*

- d_{xy}, $d_{x^2-y^2}$
- d_{xy},d_{xz},d_{yz}
- d_{z^2}
- $d_{x^2-y^2}$, d_{z^2}

No, the answer is incorrect.
Score: 0

Accepted Answers:
d_{xy},d_{xz},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

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