

By. Er. Dharmendra Sir

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DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

P – BLOCK ELEMENTS

SESSION -2024-25

CLASS - 12th

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Time : 1 hr :- P-Block Elements :-

mm!

Q. 1. In the preparation of H_2SO_4 by contact process, why is SO_3 not absorbed directly in water to form H_2SO_4 ?

Q. 2. Write a balanced chemical equation for the reaction showing catalytic oxidation of NH_3 by atmospheric oxygen.



Q. 3. Write the structure of pyrophosphoric acid.

Q. 4. PH_3 forms bubbles when passed slowly in water but NH_3 dissolves. Explain why?

Q. 5. Why is nitric oxide paramagnetic in gaseous state but the solid obtained on cooling it is diamagnetic?



Q. 6. Out of H_2O and H_2S , which one has higher bond angle and why?

Q. 7. SF_6 is known but $SeCl_6$ is not. Why?

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Q.8. Explain why ozone is thermodynamically less stable than oxygen?

Q.9. Name three oxoacids of nitrogen. Write the disproportionation reaction of that oxoacid of nitrogen in which nitrogen is in +3 oxidation state.



Q.10. phosphorus forms a number of oxoacids. out of these oxoacids. phosphinic acid has strong reducing property. Write its structure and also write a reaction showing its reducing behaviour.



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