



CHEMISTRY

BOOKS - VIKRAM PUBLICATION (ANDHRA PUBLICATION)

ANDHRA PRADESH MARCH-2019

Section A

1. What is relative lowering of vapour pressure
?



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2. Give two examples for zero order reaction.



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3. Give the composition of the Brass.



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4. Give the composition of the Bronze.



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5. Give the composition of the German silver.



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6. What happens when white phosphorus is heated with conc. NaOH solution in an inert atmosphere of CO_2 ?



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7. How is chlorine manufactured by Deacon's method ?



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8. What is Misch metal ? Given its composition and use.



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9. What is PHBV ? How is it useful to man ?





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10. What is PDI (Poly Dispersity Index) ?



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11. What are analgesics ? How are they classified ?



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12. What are antiseptics ? Give examples.



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Section B

1. Describe the two main types of semiconductors and contrast their conduction mechanism .



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2. Vapour pressure of water of 293 K when 25 g of glucose is dissolved in 450 g of water.



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3. Name any four enzyme catalysed reactions.



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4. Explain the purification of sulphide ore by Froth Floatation Method.





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5. How are XeF_2 and XeF_4 prepared ? Give their structures.



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6. Using IUPAC norms, write the systematic names of the $[Co(NH_3)_6]Cl_3$



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7. Using IUPAC norms, write the systematic names of the $[Fe(C_2O_4)_3]^{-3}$

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8. Using IUPAC norms, write the systematic names of the $[Fe(CN)_6]^{-4}$

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9. Using IUPAC norms, write the systematic names of the $[NiCl_4]^{-2}$



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10. What are Hormones ? Give one example for each.

i) Steroid Hormones

ii) Polypeptide Hormones

iii) Amino Acid derivatives.



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11. Which compound in each of the following pairs will react faster in S_N2 reaction with OH^- ?

i) CH_3Br (or) CH_3I

ii) $(CH_3)_3CCl$ (or) CH_3Cl



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Section C

1. How is ozone prepared from oxygen ?

Explain its reaction

i) C_2H_4 ii) KI ii) Hg iv) PbS



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2. Describe the Acetylation .



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3. Describe the Cannizaro reaction



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4. Describe the Cross aldol condensation .



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5. Describe the Decarboxylation .



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