



CHEMISTRY

BOOKS - VGS PUBLICATION-BRILLIANT

MODEL PAPER 9

Section A

1. Define osmotic pressure.



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2. What is the shape of berilium dichloride?



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3. What is horn silver? which metal is present in this?



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4. Draw the structure of the following compounds:



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5. Draw the structure of the following compounds:



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6. How is bleaching powder prepared ?



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7. What is the formula of geleena?



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8. Write examples for non benzenoid aromatic compounds?



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9. Write the structures of the following compounds :

2 - Chloro-3-methyl pentane



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10. Write the structures of the following compounds :

1,4 - Dibromobut-2-ene



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11. Write the structure of 3-ethyl-4-methyl hexane?



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12. Write the structure of hexa-4-ene-1-yne?



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Section B

1. Define molarity Calculate the molarity of a solution containing 5g of NaOH in 450 ml of solution.



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2. Which metal is present in cinnabar ore?



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3. Which metal is present in Pyrolusite ore?



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4. Define Adsorption. ,Discuss the differences between physical adsorption and chemical adsorption.



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



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6. What is Stereoisomerism ? Explain the geometrical' isomerism in coordination compounds with suitable example.



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7. Write the formula and structure of Hyposulphurous acid?



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8. Give the sources of the following vitamin and name the diseases caused by their deficiency (a) A (b) D (c) E and (d) K



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9. What are analgesics ? How are they classified ?

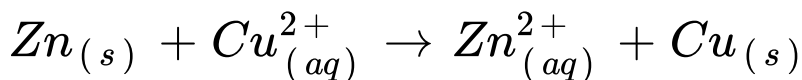


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1. The standard emf of Daniell cell is 1.1 V.

Calculate the standard Gibbs energy for the

cell reactions:



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2. How are XeF_2 and XeF_4 prepared ? Give

their structures.



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3. Explain Wurtz reaction with one example.



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4. Explain Wurtz reaction with one example.



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5. Write the equations involved in the following reactions:

(i) Reimer - Tiemann reaction (ii) Kolbe's reaction



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6. Explain Wurtz reaction with one example.



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