



CHEMISTRY

BOOKS - JEEVITH PUBLICATIONS CHEMISTRY (KANNADA ENGLISH)

POLYMERS

Questions

1. What is polymer?



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2. What are monomers?



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3. What is polymerisation process?



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4. How polymers are classified based on source.



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5. How polymers are classified based on structure?



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6. Discuss the classification of polymers on the basis of their structures.



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7. Name the type of attractive forces present in

(i) Fibrous polymers. (ii) Fibrous polymers.



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8. What are thermoplastics polymers ? Give an example.



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9. Give an example for thermosetting polymer.



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10. Bakelite is an example for which type of plastic.



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11. Explain addition polymerisation with an example.



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12. Explain the manufacture of LDPE (Low Density Polyethylene).



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13. Explain the manufacture of HDPE (High Density Polythene).



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14. Give self-explanatory equation for the preparation of Teflon.



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15. Give self-explanatory equation for the preparation of Polyacrylonitrile (PAN).



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16. Name the monomers present in the polyvinyl chloride. Give partial structure.



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17. What is condensation polymerisation?



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18. Explain the preparation of Nylon-6,6 with equation.



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19. What are condensation polymers? Given an example.



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20. Give monomers used and partial structure of
Nylon -6,6



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21. Give monomers used and partial structure
of

Nylon -6



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22. Give monomers used and partial structure
of

Terylene (Dacron)



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23. Give monomers used and partial structure

of

Navolac



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24. Give monomers used and partial structure

of

Bakelite



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25. Give monomers used and partial structure of
of

Melamine formaldehyde polymer.



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26. Give an example for a polyester fibre.



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27. Name the dicarboxylic acid used in the manufacture of terylene.



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28. What is copolymerization? Give example.



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29. What are co-polymers? Give example.



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30. Give the monomer and partial structure of natural rubber.



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31. What is vulcanisation of rubber?



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32. Name the element used for vulcanization of natural rubber.



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33. Explain with equation preparation of neoprene.



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34. Write the partial structure of neoprene.



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35. Explain the preparation of Buna-N.



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36. Explain the preparation of Buna-S.



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37. Name the monomers used in the preparation of polythene and natural rubber.



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38. Name the monomers used for getting following polymers:

i) PVC ii) Bakelite iii) Polystyrene



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39. What is bio-degradeable polymers ? Give example.



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40. Give an example for biodegradable polymer.



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