NANOPHYSICS

1. Why storage of nanomaterials is a challenge? (2) {JUN 15 [GNE]}
2. Write major applications and disadvantages of nanotechnology. (2) {JUN -15[GNE]}
3. Define nanoscience and nanotechnology. (2) {JUN 15 [PTU]}
4. Write four disadvantages of nanotechnology. (2) {DEC 14 [GNE]}
5. Name and explain two important factors responsible for distinguished properties of nanomaterials. (4) {DEC 14 [GNE]}
6. Explain optical and magnetic properties of nano materials. (4) {JUN 14 [GNE]}
7. Differentiate between nanowire and nanotube. (2) {Dec 2013 [PTU]}
8. Justify that surface area to volume ratio increases while we go from bulk to nano scale. (4) {Dec 2013 [PTU]}
9. Give examples of one, two and three dimensional nanomaterials. (2) {Dec 2013 [GNE]}
10. Write applications and potential risks of nanomaterials. (4) {Dec 2013 [GNE]}
11. What is electron confinement? (2) {Jun 2013 [PTU]}
12. "Surface area to volume ratio gets enhanced at nano scale." Comment. (4) {Jun 2013 [PTU]}
13. Write two peculiar features which distinguish nano materials from normal materials. (2) {Jun 2013 [GNE]}
14. What are nanomaterials? Explain. (2) {Dec 2012 [GNE]}
15. What is quantum dot? (2) {Dec 2012}
16. What is Nanophysics? (2) {June 2012}
17. What are nano materials? (2) {Dec 2011}
18. What is Quantum confinement? (2) {Dec 2011}