

## NIPER JEE 2009

1. heparin is a protein (ans), polysacchride, ...
2. cochicine acts by inhibiting DNA synthesis, RNA synthesis, superoxide dismutase
3. molarity of water 55.5,18, 1, none
4. protein sequences detected by ramchandran plot
5. Avicel is a grade of peg, microcrystalline cellulose(ans), ..
6. US FDA approved drug 2009 for gout,
7. US FDA approved drug 2009 for psychosis,
8. cocoa butter is insoluble in water
9. size of suppository used for adults
10. smallest capsule size among 0,1,2,4
11. RBI established in which year  
The question asked about nationalization i.e. 1949 rather than establishment i.e. 1935
12. UTI functions.
13. antonym of onerous
14. synonym of infrequent
15. water soluble lubricant..lactose ,sod chloride, PEG, sorbitol
16. IR ranges of Acid chloride
17.  $2200-2100\text{ cm}^{-1}$  is range of??
18. identify which rearrangemt..cope, favorskii, claisen..
19. baeyer villaegr oxidation catalyst.. ans.. perowy acids
20. role of reverse transcriptase
21. nomenclature of taxol
22. mycolic acid nomenclature
23. diff in ring forms of carbon is called as ..anomers
24. QSAR..3D analysis..
25. if a molecule is exposed to UV radiation..wht will happen? electronic distribution, change in spin, orientation, all..
26. family of haemophilus..
27. In SN2 reaction..there is..retention of orientation , inversion (ans)
28. role of ropinirole
29. side effecs of antipsychotic drugs..
30. Which properties of bases for suppositories are true...except..base shud melt below 30 degrees

31. which one is photosensitive.. ciprofloxacin, nifedipine?
32. structure of nifedipine
33. which one is nonionic polymer.. sorbitan ester
34. nonirritating purgative.. ans... sodium carboxy methyl cellulose
35. if a drug is highly protein bound then?
36. stereochemistry of gossypol
37. stereochemistry of ephedrine
38. what is the structure of betain?
39. what is the use of auditing in banks?
40. how many hydrogen bonds could be formed by one molecule of water.. ans 4.  
no of hydrogen bond depen on liquidity  
in ice no. of H-bond are 4 but in case of liquid it may be 3 to 4  
for further info abt it check this link  
[http://www.wiley.com/legacy/college/boyer/0470003790/reviews/pH/ph\\_water.htm](http://www.wiley.com/legacy/college/boyer/0470003790/reviews/pH/ph_water.htm)  
and also check out martin chap states of matter in that it's shown in Diagram...
41. nobel prize in medicine in year 2009?
42. US FDA approved drug for rheumatoid arthritis.. ans.. golimumab
43. software used in 3D-QSAR- COMFA
44. MOA of trimetazine ans,... inhibition of mitochondria thiolase..
45. which one of the following liquid cannot be given by IV route.. methanol, ethanol, ...
46. what is glutathione.. formed by 3 amino acids... and a detoxifying agent
47. Which of the following drugs has effect on the conduction of heart..nifedipine, verapamil etc
48. year in which RBI was nationalized.
49. weight of adult suppository
50. delta value of acetylene compared with ethylene
51. Polarity of acetone compared with methanol
52. noble prize winner for HIV virus.  
prize was given for HIV to only 2 persons .. while the third person got the prize for cervical cancer studies...the answer wasn't all .... rather only 2 scientist...
53. Bredt's rule.
54. one rupee was released by?
55. COMFA IS
56. Tryptophan is coded for

57. Questions on shares, capital flow?
58. Antonym for "onerous"?
59. definition of ionization
60. who has authority to print one rupee currency note
61. SN2 reaction leads to inversion/retention in configuration
62. polyester is synthesized from...
63. phosphatase test is done in milk to test.....
64. how many members are required to form a society
65. when did planning commission come into existence...
66. question on organometallic compound
67. why the pH is first adjusted to 2 in penicillin fermentation....
68. when is a statutory meeting held
69. preparative HPLC is used for...
70. amino acid which is an imino acid...
71. which of these is a  $\beta$ -diene
72. which is the structure of a homoannular diene
73. when UV light falls on a molecule what happens...
74. polarity of methanol and acetone comparison
75. the anti-Markownikov addition of HBr to styrene gives
76. which method is best suitable for impurity profiling...
77. which anti-TB drug can enter brain....
78. why is multi-drug treatment given in TB....
79. far IR region lies in the range of.....
80. when should dissolution of partnership be done for a firm.....
81. latest drugs used in treatment of Alzheimers
82. characteristics of cimetidine...(all are true except..)
83. persistent deafness is a side effect of...
84. which type of chromatography is also called as 'planar chromatography'...
85. when large samples are to be used (in gms), which method of chromatography is used...
86. allosteric binding means....
87. drug with high affinity but no efficacy is also called as
88. 2-3 questions on cis-trans and R-S configuration.
89. Questions on mental ability-Funda was very simple like in 1 question it was code for a word like a-1..b-2..c-3 and in another question it was 'a' related with b, c with d like that.