MHT CET Practice Questions 2023 (4)

1. Which of the following has the lowest boiling point Options-- CH_3F, CH_3Cl, CH_3Br, CH_3I
2. What is the product of phenol and sulphuric acid?
3. which statement is not correct for alkali earth metals
4. If A bar =3 , b bar =5 and a-b bar =9 then a+b bar =
5. If p and q have truth values T and r have F then which statement have Truth value F?
6. Which is the Homopolymer?
7. Benzoic acid + A gives acetophenone then what is A?
8. Which has the lowest ionic character?
9. Which of the following give positive deviation from Raoult's Law?
10. (Log x)^2 find derivative w.r.t (log x)
11. e^-y . Y=x find dy/dx
12. what is the monomer of nylon-6 (Ans- caprolactam)
13. Hydrolysis of starch gives?
14. The LC parallel resonant circuit
15. The angular speed of hour hand of a clock in degree per second is
16. Integration of sin(logx) + cos(logx)
17. What is the truth value of p,q if the truth value of the given expression is FALSE : p implies (~p or q)
18. When an electron in a hydrogen atom revolves in a stationary orbit, it is called as
19. Resolving power of telescope increases when
20. What is the truth value of p,q if the truth value of the given expression is FALSE : p implies (~p or q)
21. Find area btw y^2= x, y= 4, and the Y-axis
22. Which of the following quantity does NOT change due to damping of oscillations?
23. Find the new max speed of shm if the amplitude becomes thrice, and the frequency is halved
24. Pressure=2atm,v1=4.5L,v2=2.5L, change in internal energy=?
25. The angular speed of hour hand of a clock in degree per second is
26. The LC parallel resonant circuit
27. x^2 - 4xy +y^2, and theta and alpha are the angles then find the value of cot^2 theta + cot^2 alpha
28. Newton's law of gravitation is applicable for

29. Convert -197celcius into kelvin
30. Amphoteric oxide among the following?