

MHT CET MEMORY-BASED QUESTION PAPER 2021

22 SEPTEMBER 2021

- Find Dy/dx if $x=1-t^2/1+t^2$ and $y=2at/1+t^2$
- Integration of $\tan^{-1}(\sqrt{1+\sin x}/\sqrt{1-\sin x})$
- If a polygon has 44 diagonals then the number of its sides are?
- $\tan A \cdot \tan 2A \cdot \tan 3A = ?$
- The escape velocity of a planet whose mass is 6 times of earth and radius is $(1/2)$ times of earth
- Bismuth has a half-life period of 5 days. Mass is 1000mg. What does mass remain after 30 days?
- Unit of the order of a reaction given and tell the order of reaction
- Which element belongs to the oxygen family?
- Which is highly acidic?
- Which material is used to make floor tiles? (HDPE is used to make floor tiles)
- Benzene 1,2 diol commonly called as
- Find dimensions of a rectangle inscribed in ellipse $x^2/25+y^2/16=1$ having a maximum area
- Which of the following are known as transition elements?
- The difference in the number of the atomic mass of homologous series
- Integration of $x \sin x / 1 + \cos^2 x$ between limits $-\pi$ to $+\pi$
- Which of the group elements are known as transition elements?
- Find the shortest distance between two lines?
- Find n if $\text{mean}=18$ and $\text{Var}(X)=12$
- What is the formula of atom economy?
- What is the gravity of object R above the surface of earth whose radius is R