

MHT CET MEMORY-BASED QUESTION PAPER 2021

20 SEPTEMBER 2021

- $4\sin x + 6\cos x = 3\pi$ then the value of x ?
- Unit of the first-order reaction
- Distance between point and line
- Frenkel defect example (Answer - ZnS)
- integration $\int \frac{x + \sin x}{1 - \cos x}$
- Value of $\sin 18^\circ$
- Integration $\log(\sec x + \tan x)$
- Which element has completely filled 4 d orbital
- Which of the following statement is true about the isochoric process
- Which of the following does not contain carbon?
- Which type of sugar is present in milk?
- Limit extend to infinity $\sqrt{x^2 + 5x - 7} - x$
- How much carbon is present in undecane?
- When 1 is added in the first nature number then what is a variance?
- Which halogen is liquid at room temperature?
- Which of the following is the use of buna N?
- Which of the following polymers use in electrophoresis-polyacrylamide
- Which polymer use as adhesives-Buna-N
- In ozone bond length of O-O bond is -128pm
- Which of the following is a multimolecular colloid
- $e_1, e_2, e_1 + e_2$ are unit vectors then find the angle between e_1 and e_2
- Bond angle SO_2
- Radioactive decay is of which ordered reaction
- The standard solution to determine cell constant
- A rectifier is used to convert A. dc to ac B. ac to dc (Correct answer. B)
- $\sec x = \frac{25}{24}$, then find the value of $\sin(x/2) + \cos(x/2)$.
- Which among the following has the highest boiling point?
A. Hexanal Option A is the correct answer
B. Pentanal
C. Butanal
D. Propanal
- Which among the following is negatively charged sol?
A. TiO_2 sol
B. Haemoglobin
C. $Fe_2O_3 \cdot xH_2O$
D. Sol of clay (correct answer D)
- Which salt solution is used in determining cell constant?
A. $CuSO_4$

B. ZnSO₄

C. KCl (correct answer C)

- Which polymer is used for cinema films?