MHT CET 2024 Question Paper (April 27 - Shift 1)

Biology Questions

Ques. Question related to Chemical Coordination : Hormones.

Ques. Question related to Bacterial DNA : Avery-MacLeod-McCarty experiment.

Ques. Question related to Bacteriophage: Hershey-Chase experiment.

Ques. Question related to Ecological Succession.

Ques. Question related to Pulmonary Artery.

Ques. Aldose : What type of monosaccharides are fructose and glucose, xylose? they belong to which family based on their functional groups?

Ques. Question related to Reproduction in higher and lower plants.

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Physics Questions

Ques. A metallic sphere of radius R is charged to a potential V the magnitude of the electric field at a distance r (r > R) from the centre of the sphere is

Ques. The coefficient of performance of a refrigerator is 5 if the temperature inside freezer is -20°C the temperature of the surrounding to which it rejects heat is

Ques. Questions related to semiconductor on logic gates

Ques. Question related to gravitation on time period of satellite

Ques. Question related to electrostatics Current electricity On meter bridge

Ques. Question related to Electrostatics - Coulomb's law

Ques. Which elements have the same Magnetic moment μ?

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Chemistry Questions

Ques. For irreversible expansion of an ideal gas under isothermal condition the correct option is

Ques. The atomic radius of Ag is closest to

Ques. The IUPAC name of the complex ion formed when gold dissolves in aqua regia is :

A. tetrachloroaurate (I)
B. dichloridoaurate (III)
C. tetrachloridooaurate(III)
D. tetrachloroaurate(II)

Ans. C

Ques. Which is Gattermann - Koch reaction?

Ques. The metal that cannot be obtained by electrolysis of an aqueous solution of its salts is:

A. Ag
B. Ca
C. Cu
D. Cr

Ans. B

Ques. An example of a sigma bonded organometallic compound is:

A. Cobaltocene
B. Ruthenocene
C. Ferrocene
D. Grignard's reagent

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Ans. D

Ques. The reagent used in the Etard reaction is.....

Ques. Which of the following is not a neutral ligand?

A. H_20
B. NH_2
C. ONO
D. CO

Ans. C

Ques. Which of the following is the Reimer-Tiemann reaction?

Ques. How many lattice points in BCC Structure?

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