

Rayat Shikshan Sanstha
Rajarshi Chhatrapati Shahu College, Kolhapur
Department of Chemistry
Internal Examination –B.Sc-III (2021-22)

Sub-Inorganic chemistry

(Sem-VI, Paper-XIII)

Date and time-13-05-2022 11.0-12.0am

Marks-10

Q-1) Choose the correct alternative among the following.

i) Modern method for separation of lanthanide is

a) fractional precipitation b) Complex formation c) fractional thermal decomposition d) ion exchange

ii) U^{235} is

a) fissile nuclear fuel b) fertile nuclear fuel c) transuranic element d) manmade element

iii) The common O.S. shown by all lanthanides is

a) 3+ b) 2+ c) 4+ d) 1+

iv) Isotope emitting radioactivity is calledisotope.

a) radio b) recoil c) daughter d) fertile

v) Cause of lanthanide contraction is

a) poor shielding of 4f electrons b) gradual increase in nuclear charge from La to Lu

c) Both a and b d) none of these

vi) Flux +matrix →

a) Gangue b) pig iron c) slag d) ore

vii) Acidic Bessemer process is used to removeimpurities.

a) acidic b) basic c) neutral d) volatile

viii) Ca^{++} ion play an important role in the.....contraction.

a) muscles b) nerves c) legs d) feet

ix) Thermodynamic stability depends on difference in.....of reactant and product.

a) energies b) capacities c) volts d) speed

X) Cast iron is also called.....iron. viii) Ca^{++} ion play an important role in the.....contraction.

a) muscles b) nerves c) legs d) feet