

B.Ed. Programme - PART-B: PHYSICAL SCIENCE
Model Question Paper

Questions: 100
Marks: 100

TIME: 100 Mins

SAMPLE QUESTIONS

1. If a body is taken from the earth to the moon
 - A) its mass will be different but weight will remain the same
 - B) both mass and weight will be different
 - C) its mass will remain the same but weight will be different
 - D) its mass and weight will be unchanged

2. The correct definition of an oxidizing agent is
 - A) an electron donor
 - B) an electron acceptor
 - C) a proton donor
 - D) a proton acceptor

3. The active ingredient in bleaching powder is
 - A) calcium carbonate
 - B) calcium hypochlorite
 - C) calcium hydroxide
 - D) calcium chloride

4. Geometrical isomerism is possible in the case of
 - A) Pentane
 - B) Propane
 - C) Butane
 - D) Ethane

5. Fish can survive inside a frozen lake because
 - A) it is good conductor of heat
 - B) fish is warm blooded animal
 - B) fish hibernate in ice
 - D) water near bottom does not freeze

6. Television signals cannot be received ordinarily beyond a particular distance due to
 - A) weakness of the signal
 - B) weak antenna
 - C) curvature of the earth
 - D) absorption of signal in the air.

7. A regular hexagonal crystalline lattice of ice is formed by
 - A) ionic bond
 - B) hydrogen bond
 - C) covalent bond
 - D) metallic bond

8. The mole fraction of O₂ in a mixture of CH₄ and O₂ containing equal masses is
 - A) $\frac{1}{2}$
 - B) $\frac{1}{4}$
 - C) $\frac{1}{3}$
 - D) $\frac{2}{3}$

9. The hydrolysis of ethylacetate is a reaction of
 - A) first order
 - B) second order
 - C) third order
 - D) zero order

10. An astronaut cannot hear his companion at the surface of the moon because
 - A) produced frequencies are above the audio frequencies
 - B) there is no medium for sound propagation
 - C) temperature is too low during night and too high during day
 - D) there are too many craters on the surface of the moon

