

International Science Supremo Olympiad (ISSO)

CLASS-9 SAMPLE QUESTION PAPER

The Actual Question Paper Contains 50 Questions. The duration of the Test Paper is 60 Minutes.



CPS OLYMPIADS

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- The rate at which producers in an ecosystem capture and store chemical energy as biomass is called _____:**
 - Gross primary productivity
 - Net primary productivity
 - Net secondary productivity
 - Gross secondary productivity
 - None of these
- The blue colour of sky and the reddening of the sun at sunrise and sunset is due to _____.**
 - Atmospheric refraction
 - Scattering of light
 - Eye defect
 - Both (A) and (B)
 - None of these
- Resistance of a wire to the flow of electric current depends on the _____:**
 - Material
 - Area
 - Length of the wire
 - All of these
 - None of these
- When an object approaches a convex lens from infinity, the image formed by it shifts:**
 - Away from the lens
 - Towards the lens
 - First away and then towards the lens
 - First towards and then away from the lens
 - None of these
- Ethanol containing 5 percent water is _____:**
 - Denatured alcohol
 - Rectified spirit
 - Hydrated alcohol
 - Absolute alcohol
 - None of these
- What will be the decreasing reactivity order when metals react with dilute mineral acid?**
 - Na > Mg > Zn > Fe > Cu
 - Na > Zn > Mg > Fe > Cu
 - Zn > Na > Mg > Cu > Fe
 - Na > Mg > Fe > Zn > Cu
 - None of these
- Carbon content is maximum in _____:**
 - Wrought iron
 - Stainless steel
 - Cast iron
 - Tungsten steel
 - None of these
- Compound X decolourises acidified potassium dichromate to produce an acid with a pH value of 4.5. Which of the following could be the structure of X?**
 - $\text{CH}_3\text{CH}_2\text{COOH}$
 - $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$
 - $\text{CH}_2=\text{CH}-\text{CH}_3$
 - $\text{CH}_3\text{CH}_2\text{CH}_3$
 - None of these
- How is rose plant reproduced?**
 - Cutting
 - Regeneration
 - Layering
 - Grafting
 - None of these
- The fusion of male and female gametes leads to the formation of:**
 - Sperm
 - Eggs
 - Zygote
 - Foetus
 - None of these
- Tissue culture is important for certain crops and few commercially important plants. Select the incorrect statement about the advantages of this technique.**
 - It takes up relatively little space compared with growing plants in fields
 - It can be carried out independently of seasonal changes of climate
 - It is suitable for propagation of only seedless plants
 - It produces disease free plants.
 - None of these