

নমুনা প্রশ্ন

জে এস সি পরীক্ষা -২০১৩

বিষয় : সাধারণ বিজ্ঞান (সৃজনশীল)

পূর্ণমান—৬০

সময় : ২ ঘণ্টা ১০ মিনিট

[যে কোন ৬টি প্রশ্নের উত্তর দাও]

১। i. $S + O_2 \rightarrow X$ ii. $X + O_2 \rightarrow Y$ iii. $Y + H_2O \rightarrow Z$

ক) তড়িৎ বিশ্লেষণ কাকে বলে?

খ) প্রশমন বিক্রিয়া ব্যাখ্যা কর।

গ) Y এর সাথে চুনের পানির বিক্রিয়া সমীকরণসহ লিখ।

ঘ) i নং ও ii নং বিক্রিয়ার মধ্যে তুলনা কর।

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পদার্থ	অণুতে বিদ্যমান H পরমাণু সংখ্যা	ভেজা লিটমাসের বর্ণ
A	দুইটি	নীল → লাল
B	তিনটি	লাল → নীল

ক) ভিনেগারে কোন এসিড বিদ্যমান?

খ) 'অ্যামোনিয়া একটি ক্ষারক' ব্যাখ্যা কর।

গ) 'A' এর সাথে $CaCO_3$ এর বিক্রিয়ায় কি উৎপন্ন হয়? সমীকরণসহ লিখ।

ঘ) পাকস্থলীর এসিডিটি দূরীকরণে B যৌগটির ভূমিকা বিশ্লেষণ কর।

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চিত্র (খ)

Q ও R এর মধ্যবর্তী দূরত্ব ২৫০ কি. মি. এর বেশি

ক) ছায়াপথ কাকে বলে?

খ) Q এর কয়টি উপগ্রহ রয়েছে?

গ) যোগাযোগের ক্ষেত্রে R এর গুরুত্ব ব্যাখ্যা কর।

ঘ) উদ্দীপকে R এর চলার কৌশল বিশ্লেষণ কর।

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৪। 'X' ভরের একটি বস্তুকে চাঁদে নিয়ে ওজন মাপা হলে ওজন ৩০ নিউটন পাওয়া গেল।

ক) ভর কাকে বলে?

খ) লিফটে কখন বস্তু ওজনহীন অনুভব করবে? ব্যাখ্যা কর।

গ) উদ্দীপকে 'X' এর মান নির্ণয় কর।

ঘ) চাঁদে ওজনের কি পরিবর্তন ঘটল? এর পরিবর্তনের কারণ ব্যাখ্যা কর।

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