

# Commissionerate of School Education-Government of Andhra Pradesh

## Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Question Paper Name :     | SA NL Physical Science Oriya 9th June 2025<br>Shift 2 |
| Subject Name :            | SA NL Physical Science Oriya                          |
| Creation Date :           | 2025-06-09 18:11:47                                   |
| Duration :                | 150                                                   |
| Total Marks :             | 80                                                    |
| Display Marks:            | No                                                    |
| Change Font Color :       | No                                                    |
| Change Background Color : | No                                                    |
| Change Theme :            | No                                                    |
| Help Button :             | No                                                    |
| Show Reports :            | No                                                    |
| Show Progress Bar :       | No                                                    |

## SA NL Physical Science Oriya

|                          |          |
|--------------------------|----------|
| Group Number :           | 1        |
| Group Id :               | 39226623 |
| Group Maximum Duration : | 0        |
| Group Minimum Duration : | 150      |
| Show Attended Group? :   | No       |
| Edit Attended Group? :   | No       |
| Break time :             | 0        |
| Group Marks :            | 80       |

## Section 1

|                                       |           |
|---------------------------------------|-----------|
| Section Id :                          | 392266119 |
| Section Number :                      | 1         |
| Section type :                        | Online    |
| Mandatory or Optional :               | Mandatory |
| Number of Questions :                 | 20        |
| Number of Questions to be attempted : | 20        |
| Section Marks :                       | 10        |
| Maximum Instruction Time :            | 0         |
| Sub-Section Number :                  | 1         |

Sub-Section Id :

392266119

Question Shuffling Allowed :

Yes

Question Number : 1 Question Id : 3922663601 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The famous book 'Ram Charitha Manas' was written by

1. Tulasidas
  2. Kabir Das
  3. Viswanadha Satyanarayana
  4. Harivamsharoy Bachan
- ପ୍ରସିଦ୍ଧ ପୁସ୍ତକ 'ରାମ ଚରିତ ମାନସ' ର ରଚୟିତା

1. ତୁଳସୀଦାସ
2. କବୀର ଦାସ
3. ବିଶ୍ଵନାଥ ସତ୍ୟନାରାୟଣ
4. ହରିବଂଶରାୟ ବଜନ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 2 Question Id : 3922663602 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the mismatched pair

1. Economist – Jagdish Bhagwati
2. ICAR Scientist – Renu Khanna Chopra
3. Nuclear Scientist – Kamaladevi Chattopadhyay
4. Social reformer – Nanaji Deshmukh

ଭୁଲ ଯୋଡ଼ିକୁ ଚିହ୍ନଟ କର

1. ଅର୍ଥନୀତିଜ୍ଞ – ଜଗଦିଶ ଭଗବତୀ
2. ICAR ବୈଜ୍ଞାନିକ – ରେଣୁ ଖାନ୍ନା ଚୋପ୍ରା
3. ନାଭକୀୟ ବୈଜ୍ଞାନିକ – କମଳାଦେବୀ ଚଟ୍ଟୋପାଧ୍ୟାୟ
4. ସମାଜ ସଂସ୍କାରକ – ନାନାଜୀ ଦେଶ୍ମୁଖ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 3 Question Id : 3922663603 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Find out the correct pair

1. 1<sup>st</sup> June – World Ocean Day
2. 21<sup>st</sup> June – World Yoga Day
3. 21<sup>st</sup> July – Kargil Victory Day
4. 1<sup>st</sup> August - World Friendship Day

ସଠିକ ଯୋଡ଼ିକୁ ଚିହ୍ନଟ କର

1. ଜୁନ୍ 1 - ବିଶ୍ୱ ମହାସାଗର ଦିବସ
2. ଜୁନ୍ 21 – ବିଶ୍ୱ ଯୋଗ ଦିବସ
3. ଜୁଲାଇ 21 - କାର୍ଗିଲ୍ ବିଜୟ ଦିବସ
4. ଅଗଷ୍ଟ 1 - ବିଶ୍ୱ ବନ୍ଧୁତା ଦିବସ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 4 Question Id : 3922663604 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The first Foreign Minister of India to speak in Hindi at UN General Assembly

1. S. Jaisankar
2. L.K. Advani
3. Sushma Swaraj
4. A.B. Vajpayee

ସଂଯୁକ୍ତ ରାଷ୍ଟ୍ର ସଂଘ ସାଧାରଣ ସଭାରେ ହିନ୍ଦୀରେ ଭାଷଣ ଦେଇଥିବା ଭାରତର ପ୍ରଥମ ବୈଦେଶିକ ମନ୍ତ୍ରୀ

1. S. ଜୟଶଙ୍କର
2. L.K. ଆଡଭାନୀ
3. ସୁଷ୍ମା ସ୍ୱରାଜ
4. ଅଟଳ ବିହାରୀ ବାଜପେୟୀ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 5 Question Id : 3922663605 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

INCORRECT pair among the following

1. Table Tennis – Ramanuja Trophy
2. Badminton -Sophia Cup
3. Volly ball - Federation Cup
4. Cricket - Subroto Mukharjee Cup

ନିମ୍ନରୁ ଭୁଲ ଯୋଡ଼ିଟି

1. ଟେବୁଲ୍ ଟେନିସ୍ - ରାମାନୁଜ ଟ୍ରୋଫି
2. ବ୍ୟାଡ୍ମିଣ୍ଟନ – ସୋଫିଆ କପ୍
3. ଭଲିବଲ୍ - ଫେଡେରେସନ୍ କପ୍
4. କ୍ରିକେଟ୍ - ସୁବ୍ରୋତୋ ମୁଖାର୍ଜି କପ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 6 Question Id : 3922663606 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Montreal protocol is related to

1. Space research
2. Defence
3. Environment
4. Eradication of poverty

ମଣ୍ଟ୍ରିଆଲ ପ୍ରୋଟୋକଲ୍ ଏହାକୁ ସଂପୃକ୍ତ

1. ମହାକାଶ ଗବେଷଣା
2. ପ୍ରତିରକ୍ଷା
3. ପରିବେଶ
4. ଦାରିଦ୍ର୍ୟ ଦୂରୀକରଣ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 7 Question Id : 3922663607 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the Mismatched pair related to countries and their capitals

1. Uzbekistan - Tashkent
2. Albania - Tirane
3. Yemen - Sanaa
4. Turkey - Baku

ଦେଶ ଏବଂ ଏହାର ରାଜଧାନୀ ସଂପର୍କିତ ଭୁଲ ଯୋଡ଼ିକୁ ଚିହ୍ନଟ କର

1. ଉଜବେକିସ୍ତାନ - ତାସ୍କେଣ୍ଟ
2. ଆଲ୍‌ବାନିଆ - ଟିରାନା
3. ଯେମେନ୍ - ସାନା
4. ତୁର୍କି - ବାକୁ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 8 Question Id : 3922663608 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

‘Pataliputra’, the capital of Maurya dynasty resembles this city

1. Persepolis
2. Alexandria
3. Masidonia
4. Rome

ମୌର୍ଯ୍ୟ ବଂଶର ରାଜଧାନୀ 'ପାଟଲିପୁତ୍ର' ଏହି ସହର ଭଳି ଦେଖାଯାଏ

1. ପେର୍ସିପୋଲିସ୍
2. ଆଲେକ୍ଜେଣ୍ଡ୍ରିଆ
3. ମାସିଡୋନିଆ
4. ରୋମ୍

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 9 Question Id : 3922663609 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The great leader Jaya Prakash Narayan who united all the opposition parties to fight against emergency is known as

1. Lok Nayak
2. Banga Bandhu
3. Iron Man
4. Frontier Gandhi

ଜୟପ୍ରକାଶନାର ପରିଚ୍ଛତି ବିରୋଧରେ ଲଢ଼ିବା ପାଇଁ ସବୁ ବିରୋଧୀ ଦଳକୁ ଏକାଠି କରିଥିବା ମହାନ ନେତା ଜୟ ପ୍ରକାଶ ନାରାୟଣଙ୍କୁ ଏହା କୁହାଯାଏ

1. ଲୋକ ନାୟକ
2. ବଙ୍ଗ ବନ୍ଧୁ
3. ଲୌହ ପୁରୁଷ
4. ସୀମାନ୍ତ ଗାନ୍ଧୀ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 10 Question Id : 3922663610 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Identify the Mismatched pair related to founders of Organisations

1. Infosys – Narayana Murthy
2. Reliance – Dhirubhai Ambani
3. Wipro – Ratan Tata
4. Microsoft – Bill Gates

ସଂସ୍ଥାଗୁଡ଼ିକର ପ୍ରତିଷ୍ଠାତା ସମ୍ବନ୍ଧୀୟ ଭୁଲ ଯୋଡ଼ିଟିକୁ ଚିହ୍ନଟ କର

1. ଇନ୍ଫୋସିସ୍ – ନାରାୟଣ ମୂର୍ତ୍ତି
2. ରିଲାଏନ୍ସ – ଧୀରୁଭାଇ ଅମ୍ବାନୀ
3. ୱିପ୍ରୋ – ରତନ ଟାଟା
4. ମାଇକ୍ରୋସଫଟ – ବିଲ୍ ଗେଟ୍ସ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 11 Question Id : 3922663611 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The 'Father of Indian Civil Aviation' is

1. Dhirubhai Ambani
2. B.M. Birla
3. Ramnath Goenka
4. J.R.D. Tata

'Father of Indian Civil Aviation' ('ଭାରତୀୟ ବେସାମରିକ ବିମାନ ଚଳାଚଳର ପିତା') ହେଉଛନ୍ତି

1. ଧୀରୁଭାଇ ଆମ୍ବାନୀ
2. ବି.ଏମ୍. ବିର୍ଲା
3. ରାମନାଥ ଗୋଏଙ୍କା
4. ଜେ.ଆର୍.ଡି. ଟାଟା

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 12 Question Id : 3922663612 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The author of 'My Journey: Transforming Dreams into Actions' is

1. H.G. Wells
2. A.P.J. Abdul Kalam
3. Jaswant Singh
4. K.B. Lal

'My Journey: Transforming Dreams into Actions' - ପୁସ୍ତକର  
ଲେଖକ

1. ଏଚ୍.ଜି. ୱେଲ୍ସ
2. ଏ.ପି.ଜେ. ଅବ୍ଦୁଲ କଲାମ
3. ଜଶ୍ୱନ୍ତ ସିଂ
4. କେ.ବି.ଲାଲ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 13 Question Id : 3922663613 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

NIFE refers to

1. Upper layer of the Earth
2. Middle layer of the Earth
3. Composition of Earth core
4. Composition of Soil

NIFE ଏହାକୁ ବୁଝାଏ

1. ଭୂ - ଉପର ସ୍ତର
2. ଭୂ - ମଧ୍ୟ ସ୍ତର
3. ଭୂକେନ୍ଦ୍ର ସଂଘଟନ
4. ମୃତ୍ତିକାର ସଂଘଟନ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 14 Question Id : 3922663614 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

‘Yaksha Gaan’ is the performing art of

1. Tamil Nadu
2. Andhra Pradesh
3. Karnataka
4. Gujarat

‘ଯକ୍ଷ ଗାନ’ ପରିବେଷଣ କଳା ଏହି ରାଜ୍ୟର

1. ତାମିଲନାଡୁ
2. ଆନ୍ଧ୍ରପ୍ରଦେଶ
3. କର୍ଣ୍ଣାଟକ
4. ଗୁଜରାଟ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 15 Question Id : 3922663615 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

National Library Week is celebrated from

1. November 14<sup>th</sup> to 20<sup>th</sup>
2. December 14<sup>th</sup> to 20<sup>th</sup>
3. January 14<sup>th</sup> to 20<sup>th</sup>
4. February 14<sup>th</sup> to 20<sup>th</sup>

ଜାତୀୟ ପାଠାଗାର ସପ୍ତାହ ଏହି ସମୟରେ ପାଳନ କରାଯାଏ

1. ନଭେମ୍ବର 14 ରୁ 20
2. ଡିସେମ୍ବର 14 ରୁ 20
3. ଜାନୁଆରୀ 14 ରୁ 20
4. ଫେବୃଆରି 14 ରୁ 20

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 16 Question Id : 3922663616 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Identify the correct statement

1. Satavahanas built the Meenakshi temple in Madurai.
2. Jaipur is also known as 'Granary of India'.
3. Cheraw is a dancing form that uses drums in Sikkim.
4. The Tajmahal took about twenty two years to build.

ସଠିକ ଉକ୍ତିକୁ ଚୟନ କର

1. ସାତବାହନ ମାନେ ମଦୁରାଇରେ ମିନାକ୍ଷୀ ମନ୍ଦିର ନିର୍ମାଣ କରିଥିଲେ ।
2. ଜୟପୁରକୁ 'ଭାରତ ଦେଶର ଶସ୍ୟ ଉତ୍ସାର' ବୋଲି ମଧ୍ୟ କୁହାଯାଏ ।
3. ସିକ୍କିମ୍‌ରେ ଢୋଲ ବ୍ୟବହାର କରି ନୃତ୍ୟ ପ୍ରଦର୍ଶନ କରାଯାଉଥିବା ଏକ ପ୍ରକାର ନୃତ୍ୟ ଶୈଳି ହେଉଛି ଚେରାଉ ।
4. ତାଜ୍‌ମହଲ୍ ନିର୍ମାଣ କରିବା ପାଇଁ ପ୍ରାୟତଃ ବାଇଶି ବର୍ଷ ଲାଗିଥିଲା ।

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 17 Question Id : 3922663617 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the mismatched pair related to new and old names of cities

1. Puducherry - Pondicherry
2. Thiruvananthapuram - Trivendrum
3. Sambhaji Nagar - Aurangabad
4. Ayodhya - Afzalbad

ସହର ଏବଂ ସେଗୁଡ଼ିକର ନୂଆ ଏବଂ ପୁରୁଣା ନାମ ସମ୍ବନ୍ଧୀୟ ଭୁଲ ଯୋଡ଼ିଟି ଚିହ୍ନଟ କର

1. ପୁଦୁଚେରି - ପଣ୍ଡିଚେରି
2. ଡିରୁଅନନ୍ତପୁରମ୍ - ତ୍ରିଭେଣ୍ଡ୍ରମ୍
3. ସମ୍ଭାଜୀନଗର – ଆଉରଙ୍ଗାବାଦ
4. ଅୟୋଧ୍ୟା – ଅଫ୍‌ଜଲ୍‌ବାଦ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 18 Question Id : 3922663618 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The present Secretary General of the UNO

1. Ban Ki-moon
2. Kofi Annan
3. Javier Perez de cuellar
4. Antonio Guterres

ସଂଯୁକ୍ତ ରାଷ୍ଟ୍ର ସଂଘର ବର୍ତ୍ତମାନର ମହାସଚିବ

1. ବାନ୍ କି-ମୁନ୍
2. କୋଫି ଆନ୍ନାନ୍
3. ଜେଭିୟର ପେରେଜ୍ ଡି କ୍ୟୁଲେର୍
4. ଆଣ୍ଟୋନିଆ ଗୁଟେରସ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 19 Question Id : 3922663619 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Maithili language is spoken by the people of this state

1. Goa
2. Gujarat
3. Asom
4. Bihar

ମୈଥଲି ଭାଷା ଏହି ରାଜ୍ୟର ଲୋକମାନେ କହନ୍ତି

1. ଗୋଆ
2. ଗୁଜରାଟ
3. ଆସୋମ୍
4. ବିହାର

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 20 Question Id : 3922663620 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Name of the Lunar lander launched by Intuitive Machines, a Private American company

1. Athena
2. Elina
3. Liliyan
4. Rosalin

ଆମେରିକୀୟ ଘରୋଇ କମ୍ପାନି ଇନ୍ଟୁଇଟିଭ୍ ମେସିନ୍ ଦ୍ଵାରା ଚନ୍ଦ୍ର ଉପରକୁ ପଠାଇଥିବା ଲ୍ୟାଣ୍ଡର ନାମ

1. ଆଥ୍ନା
2. ଏଲିନା
3. ଲିଲିଆନା
4. ରୋସାଲିନ୍

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

## Section 2

|                                       |           |
|---------------------------------------|-----------|
| Section Id :                          | 392266120 |
| Section Number :                      | 2         |
| Section type :                        | Online    |
| Mandatory or Optional :               | Mandatory |
| Number of Questions :                 | 10        |
| Number of Questions to be attempted : | 10        |
| Section Marks :                       | 5         |
| Maximum Instruction Time :            | 0         |
| Sub-Section Number :                  | 1         |
| Sub-Section Id :                      | 392266120 |
| Question Shuffling Allowed :          | Yes       |

Question Number : 21 Question Id : 3922663621 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The National Commission for Protection of Child Rights (NCPCR) defines children are those who are in the age group of (in years)

ଜାତୀୟ ଶିଶୁ ଅଧିକାର ସୁରକ୍ଷା ଆୟୋଗ(NCPCR) ଅନୁସାରେ ଏହି ବୟସ (ବର୍ଷ)ର ପିଲାମାନଙ୍କୁ ଶିଶୁ ବୋଲି ସଂଜ୍ଞା ପ୍ରଦାନ କରିଛି

1. 0 - 18
2. 6 - 14
3. 1 - 18
4. 1 - 16

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 22 Question Id : 3922663622 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The 'Right to Free and Compulsory Education Act – 2009' came into force on

1. 10<sup>th</sup> August, 2010
2. 10<sup>th</sup> January, 2010
3. 10<sup>th</sup> April, 2010
4. 1<sup>st</sup> April, 2010

'ମାଗଣା ଓ ବାଧ୍ୟତାମୂଳକ ଶିକ୍ଷା ଅଧିକାର ଆଇନ- 2009' କାର୍ଯ୍ୟକାରୀ ହୋଇଥିବା ତାରିଖ

1. ଅଗଷ୍ଟ 10, 2010
2. ଜାନୁଆରୀ 10, 2010
3. ଏପ୍ରିଲ 10, 2010
4. ଏପ୍ରିଲ 1, 2010

**Options :**

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

**Question Number : 23 Question Id : 3922663623 Question Type : MCQ Option Shuffling : No**  
**Display Question Number : Yes**  
**Correct Marks : 0.5 Wrong Marks : 0**

In the list given by UNESCO, WHO, UNICEF, the life skill that belongs to 'thinking skill domain' is

1. Effective Communication
2. Coping with peer stress
3. Self awareness
4. Empathy

UNESCO, WHO, UNICEF ଦ୍ଵାରା ଦିଆଯାଇଥିବା 'ଚିନ୍ତା କୌଶଳ ପରିସର' ଅଧୀନରେ ଥିବା ଜୀବନ କୌଶଳ

1. ପ୍ରଭାବଶାଳୀ ଯୋଗାଯୋଗ
2. ସମବୟସ୍କଙ୍କ ଚାପର ମୁକାବିଲା କରିବା
3. ଆତ୍ମ ସଚେତନତା
4. ସହାନୁଭୂତି

**Options :**

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

**Question Number : 24 Question Id : 3922663624 Question Type : MCQ Option Shuffling : No**  
**Display Question Number : Yes**  
**Correct Marks : 0.5 Wrong Marks : 0**

The minimum number of 'Out of School' Children required to establish an RBC (Residential Bridge Course Centre) in any habitation is

ଯେ କୌଣସି ବସ୍ତିରେ RBC (Residential Bridge Course Centre) ପ୍ରତିଷ୍ଠା କରିବା ପାଇଁ ଆବଶ୍ୟକ 'ବିଦ୍ୟାଳୟକୁ ଯାଉନଥିବା ସର୍ବନିମ୍ନ ପିଲାଙ୍କ ସଂଖ୍ୟା'

1. 80
2. 100
3. 120
4. 150

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 25 Question Id : 3922663625 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

ECCE shall be delivered through these many type of schools as proposed by NEP – 2020

NEP – 2020 ଦ୍ଵାରା ପ୍ରସ୍ତାବିତ ଏତିକି ପ୍ରକାରର ବିଦ୍ୟାଳୟଗୁଡ଼ିକରେ ECCE ଶିକ୍ଷାପ୍ରଦାନ କରାଯାଇପାରିବ

1. 4
2. 3
3. 2
4. 1

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 26 Question Id : 3922663626 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

NEP – 2020 directed that all stand alone Teacher Education Institutes shall be converted into multi disciplinary institutions by this year

କେବଳ ଶିକ୍ଷକ ଶିକ୍ଷା ପ୍ରଦାନ କରୁଥିବା ସମସ୍ତ ଅନୁଷ୍ଠାନଗୁଡ଼ିକୁ ଏହି ବର୍ଷ ସୁଦ୍ଧା ବହୁ ବିଭାଗୀୟ ଅନୁଷ୍ଠାନରେ ପରିଣତ କରାଯିବ ବୋଲି NEP – 2020 ନିର୍ଦ୍ଦେଶ ଦେଇଛି

1. 2025
2. 2030
3. 2035
4. 2040

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 27 Question Id : 3922663627 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

“Education awakens the dormant natural powers in a living being”, is said by this Western educationalist

1. Rousseau
2. Spencer
3. Ryden
4. Froebel

"ଜୀବରେ ସୁସ୍ଥ ପ୍ରାକୃତିକ ଶକ୍ତିକୁ ଶିକ୍ଷା ଜାଗୃତ କରିଥାଏ" ବୋଲି ଏହି ପାଶ୍ଚାତ୍ୟ ଶିକ୍ଷାବିତ୍ କହିଛନ୍ତି ।

1. ରୁଷୋ
2. ସ୍ପେନ୍ସର୍
3. ରେଡନ୍
4. ଫ୍ରୋବେଲ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 28 Question Id : 3922663628 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Articles that prohibit religious instructions and denial of admission on the basis of religions in public educational institutions are

ସାର୍ବଜନୀନ ଶିକ୍ଷାନୁଷ୍ଠାନରେ ଧାର୍ମିକ ନିର୍ଦ୍ଦେଶାବଳୀ ଏବଂ ଧାର୍ମିକ ଆଧାରରେ ନାମଲେଖାକୁ ମନା କରୁଥିବା ଧାରାଗୁଡ଼ିକ ହେଲା

1. 45, 46
2. 25, 26
3. 15, 16
4. 28, 29

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 29 Question Id : 3922663629 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Mahatma Jyothirao Phule gave memorandum to this commission regarding Right to Education.

1. Hunter Commission
2. Simon Commission
3. Hartag Committee
4. Macaulay Commission

ମହାତ୍ମା ଜ୍ୟୋତିରାଓ ଫୁଲେ ଶିକ୍ଷା ଅଧିକାର ସଂକ୍ରାନ୍ତରେ ଏହି କମିଶନ୍‌କୁ ସ୍ମାରକପତ୍ର ପ୍ରଦାନ କରିଥିଲେ

1. ହଣ୍ଟର କମିଶନ୍
2. ସାଇମନ କମିଶନ୍
3. ହାର୍ଟାଗ କମିଟି
4. ମେକାଲେ କମିଶନ୍

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 30 Question Id : 3922663630 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This is NOT a 'Naturalistic' teaching method

1. Observation method
2. Play way method
3. Experimental method
4. Lecture method

ଏହା ଏକ 'ପ୍ରାକୃତିକ ବାଦ' ଶିକ୍ଷା ପଦ୍ଧତି ନୁହେଁ

1. ପର୍ଯ୍ୟବେକ୍ଷଣ ପଦ୍ଧତି
2. କ୍ରୀଡ଼ା ପଦ୍ଧତି
3. ପରୀକ୍ଷଣ ପଦ୍ଧତି
4. ବକ୍ତୃତା ପଦ୍ଧତି

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

### Section 3

|                                       |           |
|---------------------------------------|-----------|
| Section Id :                          | 392266121 |
| Section Number :                      | 3         |
| Section type :                        | Online    |
| Mandatory or Optional :               | Mandatory |
| Number of Questions :                 | 10        |
| Number of Questions to be attempted : | 10        |
| Section Marks :                       | 5         |
| Maximum Instruction Time :            | 0         |
| Sub-Section Number :                  | 1         |
| Sub-Section Id :                      | 392266121 |
| Question Shuffling Allowed :          | Yes       |

Question Number : 31 Question Id : 3922663631 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

This is an advantage to a teacher who knows about Individual differences.

1. Providing educational opportunities basing on students' abilities.
2. Teach in a way so that all students get same marks.
3. In addition to textbooks guides can also be used.
4. To ascertain that only some students need education.

ବ୍ୟକ୍ତିଗତ ପାର୍ଥକ୍ୟ ବିଷୟରେ ଜାଣିଥିବା ଶିକ୍ଷକଙ୍କ ପାଇଁ ଏହା ଲାଭଦାୟକ ଅଟେ ।

1. ଶିକ୍ଷାର୍ଥୀଙ୍କ ଦକ୍ଷତା ଆଧାରରେ ଶିକ୍ଷାସୁବିଧା ପ୍ରଦାନ କରିବା ।
2. ସମସ୍ତ ଶିକ୍ଷାର୍ଥୀ ଯେପରି ସମାନ ମାର୍କ ପାଇବେ ସେଥିପାଇଁ ଶିକ୍ଷାଦାନ କରିବା ।
3. ପାଠ୍ୟପୁସ୍ତକ ବ୍ୟତୀତ ଗାଇଡ୍ ମଧ୍ୟ ବ୍ୟବହାର କରିବା ।
4. କିଛି ଶିକ୍ଷାର୍ଥୀଙ୍କୁ କେବଳ ଶିକ୍ଷାର ଆବଶ୍ୟକତା ରହିଛି ବୋଲି ଜାଣିବା ।

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 32 Question Id : 3922663632 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

This statement is NOT correct with respect to growth

1. Growth brings quantitative changes.
2. Growth continues throughout the span of life.
3. Growth is measurable.
4. Growth stops after some stage of life.

ବୃଦ୍ଧି ଦୃଷ୍ଟିରୁ ଏହି ଉକ୍ତିଟି ଠିକ୍ ନୁହେଁ

1. ବୃଦ୍ଧି ପରିମାଣଗତ ପରିବର୍ତ୍ତନ ଆଣିଥାଏ ।
2. ଜୀବନସାରା ବୃଦ୍ଧି ଚାଲୁ ରହିଥାଏ ।
3. ବୃଦ୍ଧି ପରିମାପଯୋଗ୍ୟ ।
4. ଜୀବନର କେତେକ ଅବସ୍ଥା ପରେ ବୃଦ୍ଧି ବନ୍ଦ ହୋଇଯାଏ ।

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 33 Question Id : 3922663633 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Fluency, Flexibility, Originality, Redefinition and Sensitivity to problems. These abilities indicate the characteristics of

- 1. Aptitude
- 2. Intelligence
- 3. Individual differences
- 4. Creativity

ବାକ୍ପଟୁତା, ନମନୀୟତା, ମୌଳିକତା, ପୁନଃସଂଜ୍ଞା ଏବଂ ସମସ୍ୟା ପ୍ରତି

ସମ୍ବେଦନଶୀଳତା ଆଦି ଦକ୍ଷତା ଗୁଡ଼ିକ ଏହାର ବୈଶିଷ୍ଟ୍ୟକୁ ସୂଚାଇଥାଏ

- 1. ପ୍ରବୃତ୍ତି
- 2. ବୁଦ୍ଧି
- 3. ବ୍ୟକ୍ତିଗତ ପାର୍ଥକ୍ୟ
- 4. ସୃଜନଶୀଳତା

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 34 Question Id : 3922663634 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A student's Intelligence Quotient (IQ) is estimated as 150. He comes under the category of

1. Superior
2. Very superior
3. Gifted
4. Average

ଜଣେ ଶିକ୍ଷାର୍ଥୀଙ୍କ ବୁଦ୍ଧିକାଙ୍କ (IQ) 150 ବୋଲି ଆକଳନ କରାଯାଇଛି । ସେ ଏହି ବିଭାଗରେ ଅନ୍ତର୍ଭୁକ୍ତ

1. ଶ୍ରେଷ୍ଠ ବୁଦ୍ଧି
2. ଅତ୍ୟନ୍ତ ଶ୍ରେଷ୍ଠ ବୁଦ୍ଧି
3. ପ୍ରତିଭାସଂପନ୍ନ
4. ସାଧାରଣ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 35 Question Id : 3922663635 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A woman has good knowledge of English. This did not show any impact on learning car driving. The transfer of learning here is

1. Positive transfer
2. Negative transfer
3. Zero transfer
4. Bilateral transfer

ଜଣେ ସ୍ତ୍ରୀ ଇଂରାଜୀରେ ଭଲ ଜ୍ଞାନ ରହିଛି । କାର୍ ଡ୍ରାଇଭିଂ ଶିଖିବା ଉପରେ ଏହାର କୌଣସି ପ୍ରଭାବ ପଡ଼ିନଥିଲା । ଏଠାରେ ସଂଘଟିତ ସ୍ଥାନାନ୍ତରଣ

1. ସକାରାତ୍ମକ ସ୍ଥାନାନ୍ତରଣ
2. ନକାରାତ୍ମକ ସ୍ଥାନାନ୍ତରଣ
3. ଶୂନ୍ୟ ସ୍ଥାନାନ୍ତରଣ
4. ଦ୍ୱିପାକ୍ଷିକ ସ୍ଥାନାନ୍ତରଣ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 36 Question Id : 3922663636 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Choose the correct statement/s

- a) Cumulative Percentage Curve is 'S' in shape
- b) Values expanded on right side of normal probability curve is positive skewness
- c) Mode is a measure of Variability

ସଠିକ ଉକ୍ତିକୁ ଚୟନ କର

- a) ସଞ୍ଚିତ ପ୍ରତିଶତ ବକ୍ର 'S' ଆକାରରେ ଥାଏ ।
- b) ସଧାରଣ ସମ୍ଭାବ୍ୟତା ବକ୍ରର ଡାହାଣ ପାର୍ଶ୍ୱରେ ବିସ୍ତାରିତ ମୂଲ୍ୟ ହେଉଛି ଧନାତ୍ମକ ।
- c) ଗରିଷ୍ଠକ ହେଉଛି ପରିବର୍ତ୍ତନଶୀଳତାର ଏକ ମାପ ।

1. a                      2. a, b                      3. b                      4. c

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 37 Question Id : 3922663637 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A student learnt 12 meaningless words in 10 attempts. After 10 days he was again asked to learn the same words and it took 6 attempts to relearn. His saving score is

ଜଣେ ଶିଷ୍ୟା 10ଟି ପ୍ରୟାସରେ 12ଟି ଅର୍ଥହୀନ ଶବ୍ଦର ତାଲିକା ଶିଖୁଥିଲା । 10 ଦିନ ପରେ ସେହି ଶବ୍ଦର ତାଲିକା ଶିଖିବାକୁ କୁହାଗଲା, ସେ 6 ଟି ପ୍ରୟାସରେ ଶିଖୁଥିଲା । ତାଙ୍କ ସଞ୍ଚୟ ସ୍କୋର ହେଉଛି

- 1. 20%
- 2. 30%
- 3. 40%
- 4. 50%

Options :

- 1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 38 Question Id : 3922663638 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is NOT a Personality characteristic

1. Personality of each individual is unique.
2. Personality is dynamic and not static.
3. Personality is the product of both heredity and environment.

4. Only a few persons possess personality

ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ ଗୋଟିଏ ବ୍ୟକ୍ତିତ୍ବର ଲକ୍ଷଣ ନୁହେଁ

1. ପ୍ରତ୍ୟେକ ବ୍ୟକ୍ତିର ବ୍ୟକ୍ତିତ୍ବ ଅନନ୍ୟ ଅଟେ ।
2. ବ୍ୟକ୍ତିତ୍ବ ଗତିଶୀଳ ଏବଂ ସ୍ଥିର ନୁହେଁ ।
3. ବ୍ୟକ୍ତିତ୍ବ ଉତ୍ତରାଧିକାରୀ ଏବଂ ପରିବେଶରୁ ନିଷ୍ପନ୍ନ ।
4. ମାତ୍ର ଅଳ୍ପ କିଛି ବ୍ୟକ୍ତିଙ୍କ ବ୍ୟକ୍ତିତ୍ବ ଥାଏ

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 39 Question Id : 3922663639 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The technique used to assess the personality of the subject by recording his responses based on the four aspects 1. Location, 2. Content, 3. Originality and 4. Determinants is

1. Rorschach Inkblot Test
2. Thematic Apperception Test
3. Children Apperception Test
4. Sentence Completion Test

ଏହି ପରୀକ୍ଷାରେ ଆକଳକର ବ୍ୟକ୍ତିତ୍ତ୍ୱକୁ କଳନା କରିବା ପାଇଁ ଉତ୍ତରଗୁଡ଼ିକୁ

1. ସ୍ଥାନ, 2. ବିଷୟ, 3. ବାସ୍ତବତା ଏବଂ 4. ନିର୍ଣ୍ଣାୟକ ନାମକ ଚାରୋଟି ଅଂଶକୁ ଭିତ୍ତିକରି ନମୋଦ କରିଥାନ୍ତି ।

1. ରୋସାକ୍ କାଳିକ୍ଷିତା ପରୀକ୍ଷା
2. କଥାକୈନ୍ଦ୍ରିକ ସଂପ୍ରତ୍ୟକ୍ଷ ପରୀକ୍ଷା
3. ଶିଶୁ ସଂପ୍ରତ୍ୟକ୍ଷ ପରୀକ୍ଷା
4. ବାକ୍ୟପୂରଣ ପରୀକ୍ଷା

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 40 Question Id : 3922663640 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Guidance that is useful to give information about various jobs, salaries and work conditions, suitability to the candidates and make them choose right jobs is

1. Educational Guidance
2. Vocational Guidance
3. Personal Guidance
4. General Guidance

ପ୍ରାର୍ଥୀଙ୍କୁ ବିଭିନ୍ନ ରକମର ଚାକିରି, ଦରମା ଏବଂ କାର୍ଯ୍ୟ ଅବସ୍ଥା ଏବଂ ଉପଯୁକ୍ତ ଚାକିରି ଚୟନ କରିବା ବିଷୟରେ ସୂଚନା ପ୍ରଦାନ କରିବା ପାଇଁ ଉପଯୋଗୀ ମାର୍ଗଦର୍ଶନ ହେଉଛି

1. ଶୈକ୍ଷିକ ମାର୍ଗଦର୍ଶନ
2. ଧନ୍ୟାତ୍ମକ ମାର୍ଗଦର୍ଶନ
3. ବ୍ୟକ୍ତିଗତ ମାର୍ଗଦର୍ଶନ
4. ସାଧାରଣ ମାର୍ଗଦର୍ଶନ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

## Section 4

|                                       |           |
|---------------------------------------|-----------|
| Section Id :                          | 392266122 |
| Section Number :                      | 4         |
| Section type :                        | Online    |
| Mandatory or Optional :               | Mandatory |
| Number of Questions :                 | 80        |
| Number of Questions to be attempted : | 80        |
| Section Marks :                       | 40        |
| Maximum Instruction Time :            | 0         |
| Sub-Section Number :                  | 1         |
| Sub-Section Id :                      | 392266122 |
| Question Shuffling Allowed :          | Yes       |

Question Number : 41 Question Id : 3922663641 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Motion of wheel of a bicycle is

1. Rotational only
2. Both rectilinear and oscillatory
3. Both rotational and oscillatory
4. Both rectilinear and rotational

ଗତିଶୀଳ ସାଇକେଲ ଚକର ଗତି

1. କେବଳ ଘୂର୍ଣ୍ଣନ
2. ଉଭୟ ସରଳରେଖୀୟ ଏବଂ ଦୋଳନ
3. ଉଭୟ ଘୂର୍ଣ୍ଣନ ଏବଂ ଦୋଳନ
4. ଉଭୟ ସରଳରେଖୀୟ ଏବଂ ଘୂର୍ଣ୍ଣନ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 42 Question Id : 3922663642 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

$$1 \frac{g}{cm^3} = \dots\dots\dots \frac{kg}{m^3}$$

1. 1000
2.  $\frac{1}{1000}$
3. 100
4.  $\frac{1}{100}$

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 43 Question Id : 3922663643 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Error in the measurement of radius of sphere is 2%. The error in calculated value of its volume is

ଗୋଲକର ବ୍ୟାସାର୍ଦ୍ଧ ମାପ କରିବା ତ୍ରୁଟି 2% ହେଲେ, ଏହାର ଘନଫଳ ଗଣନା

ତ୍ରୁଟି

1. 8%
2. 6%
3. 2%
4.  $\frac{2}{3}\%$

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 44 Question Id : 3922663644 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A girl walks with a speed of  $\frac{5}{3} m/s$  for 15 minutes. The distance covered by her is

ଜଣେ ବାଳିକା  $\frac{5}{3} m/s$  ବେଗରେ 15 ମିନିଟ୍ ପାଇଁ ଚାଲନ୍ତି । ତେବେ ସେ

ଅତିକ୍ରମ କରିବା ଦୂରତା

1. 1.5 km
2. 25 m
3.  $\frac{5}{12}$  km
4. 0

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 45 Question Id : 3922663645 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The basic unit of speed is

ବେଗର ମୌଳିକ ଏକକ

1.  $\frac{m}{s}$
2.  $\frac{km}{h}$
3.  $\frac{km}{s}$
4.  $\frac{m}{h}$

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 46 Question Id : 3922663646 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A physical quantity has a value of  $-3\text{m/s}$ . It may be

1. Speed of particle
2. Velocity of particle
3. Position of a particle
4. Acceleration of a particle

ଏକ ଭୌତିକ ରାଶିର ମୂଲ୍ୟ  $-3$  ମି./ସେ. । ତେବେ ସେହି ଭୌତିକ ରାଶିଟି ଏହା

ହୋଇପାରେ

1. କଣିକାର ବେଗ
2. କଣିକାର ପରିବେଗ
3. କଣିକାର ଅବସ୍ଥିତି
4. କଣିକାର ତ୍ୱରଣ

Options :

1. ✗ 1
2. ✓ 2
3. ✗ 3

4. ✖ 4

Question Number : 47 Question Id : 3922663647 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The area under a graph between two physical quantities is given in the unit 'm' (metre). The physical quantities are

1. Acceleration and time
2. distance and time
3. speed and time
4. velocity and distance

ଦୁଇଟି ଭୌତିକ ରାଶିକୁ ନେଇ ଏକ ଗ୍ରାଫ୍ ଅଙ୍କନ କରାଗଲା । ସେହି ଗ୍ରାଫ୍ ଅକ୍ଷର କ୍ଷେତ୍ରଫଳର ଏକକ 'ମି'(ମିଟର) ହେଲେ, ସେହି ଭୌତିକ ରାଶିଦ୍ୱୟ

1. ତ୍ୱରଣ ଏବଂ ସମୟ
2. ଦୂରତା ଏବଂ ସମୟ
3. ବେଗ ଏବଂ ସମୟ
4. ପରିବେଗ ଏବଂ ଦୂରତା

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 48 Question Id : 3922663648 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

If  $|\vec{a} + \vec{b}| = |\vec{a} - \vec{b}|$ . The angle between  $\vec{a}$  and  $\vec{b}$  is

$|\vec{a} + \vec{b}| = |\vec{a} - \vec{b}|$  ହେଲେ,  $\vec{a}$  ଏବଂ  $\vec{b}$  ମଧ୍ୟସ୍ଥ କୋଣ

1.  $0^\circ$
2.  $30^\circ$
3.  $60^\circ$
4.  $90^\circ$

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 49 Question Id : 3922663649 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following factor increase the friction

1. Sole of a shoe
2. Lubricants
3. Ball bearings
4. Smoothen the surface

ନିମ୍ନ ବସ୍ତୁ ମଧ୍ୟରୁ ଘର୍ଷଣ ବଳକୁ ବୃଦ୍ଧି ଘଟାଇଥାଏ

1. ଜୋତାର ନିମ୍ନ ଭାଗ
2. ପିଚ୍ଛିଳକ
3. ବଲ୍ ବିୟରିଙ୍ଗ୍
4. ପୃଷ୍ଠର ମସୃଣତା

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 50 Question Id : 3922663650 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Carpet is beaten up with a stick, dust comes out of it. This is an example of Newton's

1. First law
2. Second law
3. Third law
4. Law of cooling

ଗୋଟିଏ ଗାଲିଚାକୁ ବାଡ଼ିରେ ପିଟିଲେ, ସେଥିରୁ ଧୂଳି ଝଡ଼ିପଡ଼େ । ଏହା ନିଉଟନଙ୍କ  
ଏହି ନିୟମର ଉଦାହରଣ

1. ପ୍ରଥମ ନିୟମ
2. ଦ୍ୱିତୀୟ ନିୟମ
3. ତୃତୀୟ ନିୟମ
4. ଶୀତଳୀକରଣ ନିୟମ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 51 Question Id : 3922663651 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A body sinks in a liquid if the buoyant force is

1. Zero
2. Equal to its weight
3. Less than its weight
4. Greater than its weight

ଏକ ବସ୍ତୁ ତରଳରେ ସଂପୂର୍ଣ୍ଣ ରୂପେ ବୁଡ଼ିଯିବ, ଯଦି ଏହାର ପ୍ଲବନ ବଳ

1. ଶୂନ୍ୟ
2. ଓଜନ ସହ ସମାନ
3. ଓଜନ ଠାରୁ କମ୍
4. ଓଜନ ଠାରୁ ଅଧିକ

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 52 Question Id : 3922663652 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The unit of pressure among the following is

ନିମ୍ନ ମଧ୍ୟରୁ ଚାପର ଏକକ

- 1.  $Nkgm^{-2}$
- 2.  $Nms^{-2}$
- 3.  $N m^{-2}$
- 4.  $kgms^{-2}$

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 53 Question Id : 3922663653 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Gravitational force (F) is related to distance (d) between two masses as

ମାଧ୍ୟାକର୍ଷଣ ବଳ (F) ଏବଂ ଦୂରତା (d) ମଧ୍ୟରେ ଦୂରତା (d) ମଧ୍ୟରେ ଥିବା ସମ୍ପର୍କ

1.  $F \propto \frac{1}{d}$
2.  $F \propto \frac{1}{d^2}$
3.  $d \propto \frac{1}{F^3}$
4.  $d \propto \frac{1}{F^2}$

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 54 Question Id : 3922663654 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The condition for mass to be equal to weight is

ବସ୍ତୁତ୍ୱର ମୂଲ୍ୟ ଓଜନ ସହ ସମାନ ହେବା ପାଇଁ ଆବଶ୍ୟକ ସର୍ତ୍ତ

1.  $g = 0$
2.  $g = 9.8 \frac{m}{s^2}$
3.  $g = \infty$
4.  $g = 1 \frac{m}{s^2}$

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 55 Question Id : 3922663655 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This among the following is not a conservative force

1. Spring force
2. Frictional force
3. Electrostatic force
4. Gravitational force

ନିମ୍ନ ବଳଗୁଡ଼ିକ ମଧ୍ୟରୁ କେଉଁଟି ସଂରକ୍ଷିତ ବଳ ନୁହେଁ

1. କମ୍ପାନୀ ବଳ
2. ଘର୍ଷଣ ବଳ
3. ଛିର ବୈଦ୍ୟୁତିକ ବଳ
4. ମାଧ୍ୟାକର୍ଷଣ ବଳ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 56 Question Id : 3922663656 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A stone tied to a string is whirled in a horizontal circle, the work done on it by the string is

1. Positive
2. Undefined
3. Zero
4. Negative

ଗୋଟିଏ ପଥରକୁ ସୂତାରେ ବାନ୍ଧି ଭୂସମାନ୍ତର ବୃତ୍ତାକାର ପଥରେ ଘୁରାଇଲେ,  
ସୂତାଦ୍ୱାରା ପଥର ଉପରେ କାର୍ଯ୍ୟକାରୀ ବଳ

1. ଧନାତ୍ମକ
2. ନିର୍ଣ୍ଣୟ କରିପାରିବା ନାହିଁ
3. ଶୂନ୍ୟ
4. ରଣାତ୍ମକ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 57 Question Id : 3922663657 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The energy consumed in 5 hours by two devices of power 500W each is

ପ୍ରତ୍ୟେକର 500 ୱାଟ୍ କ୍ଷମତା ଥିବା ଦୁଇଟି ଉପକରଣ 5 ଘଣ୍ଟାରେ ବିନିଯୋଗ  
କରିବା ଶକ୍ତିର ପରିମାଣ

1.  $1.8 \times 10^7 J$
2. 5000J
3. 2500 J
4.  $9 \times 10^6 J$

Options :

1. ✔ 1

2.  $\times$  2

3.  $\times$  3

4.  $\times$  4

**Question Number : 58 Question Id : 3922663658 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 0.5 Wrong Marks : 0**

Object with mass ( $m$ ) is moving with velocity ( $V$ ). To double the kinetic energy the velocity must change to (keeping the mass constant)

(m) ବସ୍ତୁର ବିଶିଷ୍ଟ ଏକ ବସ୍ତୁ (V) ପରିବେଶରେ ଗତି କରୁଛି । ଏହାର ଗତିଜ ଶକ୍ତିକୁ ଦୁଇଗୁଣ କରିବାକୁ ହେଲେ ପରିବେଶକୁ ନିମ୍ନ ରୂପେ ପରିବର୍ତ୍ତନ କରିବାକୁ ପଡ଼ିବ (ବସ୍ତୁକୁ ଛିର ରଖି)

1. 2V

$$2. \quad \frac{V}{2}$$
3.  $\sqrt{2} V$ 

4.  $\frac{V}{\sqrt{2}}$

### Options :

1.  $\times$  1

2.  $\times$  2

3. ✓ 3

4.  $\times$  4

**Question Number : 59 Question Id : 3922663659 Question Type : MCQ Option Shuffling : No Display Question Number : Yes**

**Correct Marks : 0.5 Wrong Marks : 0**

In an inelastic collision

1. Only kinetic energy is conserved
2. Only momentum is conserved
3. Both kinetic energy and momentum are conserved
4. Neither kinetic energy nor momentum are conserved

ଏକ ଅଣ ଛିତିଛାପକ ଆଘାତରେ

1. କେବଳ ଗତିଜ ଶକ୍ତି ସଂରକ୍ଷିତ ରହେ
2. କେବଳ ସଂବେଗ ସଂରକ୍ଷିତ ରହେ
3. ଉଭୟ ଗତିଜ ଶକ୍ତି ଏବଂ ସଂବେଗ ସଂରକ୍ଷିତ ରହେ
4. ଗତିଜ ଶକ୍ତି କିମ୍ବା ସଂବେଗ କେଉଁଟି ମଧ୍ୟ ସଂରକ୍ଷିତ ରହେ ନାହିଁ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 60 Question Id : 3922663660 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Sound is produced due to

1. Vibration
2. Refraction
3. Friction
4. Multiple reflection

ଏହା ଧ୍ବନି ଉତ୍ପନ୍ନ କରେ

1. କମ୍ପନ
2. ପ୍ରତିସରଣ
3. ଘର୍ଷଣ
4. ବହୁଳ ପ୍ରତିଫଳନ

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 61 Question Id : 3922663661 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The unit of loudness of sound is

1. Hz
2.  $S^{-1}$
3. No units
4. dB

ଧ୍ବନି ତୀବ୍ରତାର ଏକକ

1. Hz
2.  $S^{-1}$
3. ଏକକ ନାହିଁ
4. dB

Options :

1. ✗ 1

2. ✗ 2

3. ✗ 3

4. ✓ 4

Question Number : 62 Question Id : 3922663662 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Nature of sound waves are

1. Longitudinal waves
2. Transverse waves
3. Both longitudinal and transverse
4. Electromagnetic waves

ଧ୍ୱନି ତରଙ୍ଗର ସ୍ୱଭାବ

1. ଅନୁଦୈର୍ଘ୍ୟ ତରଙ୍ଗ
2. ଅନୁପ୍ରସ୍ଥ ତରଙ୍ଗ
3. ଉଭୟ ଅନୁଦୈର୍ଘ୍ୟ ଏବଂ ଅନୁପ୍ରସ୍ଥ ତରଙ୍ଗ
4. ବିଦ୍ୟୁତ୍ ଚୁମ୍ବକୀୟ ତରଙ୍ଗ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 63 Question Id : 3922663663 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Bernoulli's equation when the fluid is at rest is

1.  $P + \frac{1}{2}\rho gh = \text{constant}$
2. 0
3.  $P - \frac{1}{2}\rho gh = \text{constant}$
4.  $P + \rho gh = \text{constant}$

ପ୍ରବାହୀ ନିଷ୍କଳ ଅବସ୍ଥାରେ ଥିବାବେଳେ ବେର୍ନୋଲିଙ୍କ ସମୀକରଣ

1.  $P + \frac{1}{2}\rho gh = \text{ସ୍ଥିର}$
2. 0
3.  $P - \frac{1}{2}\rho gh = \text{ସ୍ଥିର}$
4.  $P + \rho gh = \text{ସ୍ଥିର}$

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 64 Question Id : 3922663664 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct order of refractive index of material  
medium

1. air, kerosene, diamond, water
2. air, water, kerosene, diamond
3. water, kerosene, diamond, air
4. air, diamond, kerosene, water

ପଦାର୍ଥ ମାଧ୍ୟମଗୁଡ଼ିକର ପ୍ରତିସରଣାଙ୍କର ସଠିକ କ୍ରମ

1. ବାୟୁ, କିରୋସିନ୍, ହୀରା, ଜଳ
2. ବାୟୁ, ଜଳ, କିରୋସିନ୍, ହୀରା
3. ଜଳ, କିରୋସିନ୍, ହୀରା, ବାୟୁ
4. ବାୟୁ, ହୀରା, କିରୋସିନ୍, ଜଳ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 65 Question Id : 3922663665 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The average kinetic energy of the molecules is directly proportional to

1. Temperature in Celsius
2. Temperature in Fahrenheit
3. Temperature in Kelvin
4. Temperature in Reaumur

ଅଣୁର ହାରାହାରି ଗତିଜ ଶକ୍ତି ଏହାକୁ ସମାନୁପାତରେ ଥାଏ

1. ସେଲ୍‌ସିୟସ୍ ମାନରେ ତାପମାତ୍ରା
2. ଫାରେନ୍‌ହାଇଟ୍ ମାନରେ ତାପମାତ୍ରା
3. କେଲ୍‌ଭିନ୍ ମାନରେ ତାପମାତ୍ରା
4. ରିଉମର୍ ମାନରେ ତାପମାତ୍ରା

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 66 Question Id : 3922663666 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

100g of water at 60°C mixed with 100g of ice at 0°C. The resultant temperature would be

(specific heat of water is  $1 \frac{Cal}{g^{\circ}C}$ , latent heat of ice is  $80 \frac{Cal}{g}$ )

60° ତାପମାତ୍ରା ବିଶିଷ୍ଟ 100 ଗ୍ରାମ୍ ଜଳକୁ 0°C ତାପମାତ୍ରା ବିଶିଷ୍ଟ 100 ଗ୍ରାମ୍ ବରଫରେ ମିଶ୍ରିତ କରାଗଲା । ତେବେ ମିଶ୍ରିତ ତାପମାତ୍ରା

( ଜଳର ବିଶିଷ୍ଟ ଉତ୍ତାପ =  $1 \frac{Cal}{g^{\circ}C}$  , ବରଫର ଗୁପ୍ତତାପ =  $80 \frac{Cal}{g}$  )

1. 30°
2. 60°
3. 15°
4. 0°

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 67 Question Id : 3922663667 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Beats can be heard when the difference of frequencies is not more than

ବିଶ୍ୱନ୍ନ ଶୁଣିବା ପାଇଁ ଆବୃତ୍ତିଗୁଡ଼ିକ ମଧ୍ୟରେ ସର୍ବାଧିକ ପ୍ରଭେଦ ଏତିକି ରହିବା ଆବଶ୍ୟକ

- 1. 0
- 2. 20
- 3. 10
- 4. 22

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 68 Question Id : 3922663668 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The colour of shadow formed by green tree is

1. Green
2. White
3. Colourless
4. Red

ସବୁଜ ଉଦ୍ଭିଦ ଦ୍ଵାରା ସୃଷ୍ଟିହେବା ଛାୟାର ବର୍ଣ୍ଣ

1. ସବୁଜ
2. ଧଳା
3. ବର୍ଣ୍ଣହୀନ
4. ଲାଲ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 69 Question Id : 3922663669 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The following is not a property of image formed by a plane mirror  
(when compared to object)

1. Same size
2. Same distance
3. Erect image
4. Real image

ସମତଳ ଦର୍ପଣରେ ନିମ୍ନ ଲକ୍ଷଣ ବିଶିଷ୍ଟ ପ୍ରତିବିମ୍ବ ସୃଷ୍ଟି ହୁଏ ନାହିଁ (ବସ୍ତୁସହ ତୁଳନା କଲେ)

1. ସମ ପରିମାଣ
2. ସମ ଦୂରତା
3. ସଲଖ ପ୍ରତିବିମ୍ବ
4. ବାସ୍ତବ ପ୍ରତିବିମ୍ବ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 70 Question Id : 3922663670 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Refractive index of glass with respect to air is  $\frac{3}{2}$  and refractive index of water with respect to air  $\frac{4}{3}$  then the refractive index of glass with respect to water is

ବାୟୁ ତୁଳନାରେ କାଚର ପ୍ରତିସରଣାଙ୍କ  $\frac{3}{2}$  ଏବଂ ବାୟୁ ତୁଳନାରେ ଜଳର ପ୍ରତିସରଣାଙ୍କ  $\frac{4}{3}$  ହେଲେ, ଜଳ ତୁଳନାରେ କାଚର ପ୍ରତିସରଣାଙ୍କ

1. 2
2.  $\frac{9}{8}$
3.  $\frac{8}{9}$
4.  $\frac{1}{2}$

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 71 Question Id : 3922663671 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

An angle of Prism is  $60^\circ$ , which produces a minimum deviation of  $x^\circ$ , the refractive index of material is 1.414. Then the value of 'x' is

ପ୍ରିଜମ୍ କୋଣ  $60^\circ$  ଥିବା ଏକ ପ୍ରିଜମ୍‌ର ପ୍ରତିସରଣାଙ୍କ 1.414, ଯାହା ସର୍ବନିମ୍ନ ବିଚଳନ କୋଣ ' $x^\circ$ ' ଉତ୍ପନ୍ନ କରେ । ତେବେ x ର ପରିମାଣ

1.  $30^\circ$
2.  $45^\circ$
3.  $60^\circ$
4.  $90^\circ$

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 72 Question Id : 3922663672 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

When a dielectric material is introduced between the parallel plate capacitor then the quantity which remain unchanged is

1. Capacitance
2. Potential difference
3. Electric field
4. Free charge

ଯେତେବେଳେ ଏକ ସମାନ୍ତରାଳ କେପାସିଟର ପ୍ଲେଟ୍ ମଧ୍ୟରେ ଏକ ଡାଇ  
ଇଲେକ୍ଟ୍ରିକ୍ ପଦାର୍ଥ ଉପସ୍ଥାପିତ ହୁଏ, ସେତେବେଳେ ନିମ୍ନ ପରିମାଣର ପରିବର୍ତ୍ତନ  
ହୁଏ ନାହିଁ

1. କାପାସିଟାନ୍ସ
2. ବିଭବାନ୍ତର
3. ବିଦ୍ୟୁତ୍ କ୍ଷେତ୍ର
4. ମୁକ୍ତ ଆବେଶ

Options :

1. ✗ 1

2. ✗ 2

3. ✗ 3

4. ✓ 4

Question Number : 73 Question Id : 3922663673 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A device that is used to break or connect an electric circuit is

1. Fuse
2. Filament
3. Switch
4. Terminal

ବିଦ୍ୟୁତ୍ ପରିପଥକୁ ଖୋଲା କିମ୍ବା ବନ୍ଦ କରିବା ପାଇଁ ବ୍ୟବହୃତ ଉପକରଣ

1. ଫ୍ୟୁଜ୍
2. ଫିଲାମେଣ୍ଟ
3. ସ୍ୱିଚ୍
4. ଅଗ୍ର

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 74 Question Id : 3922663674 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Reasons for using Chromium in electro plating

- a. shiny appearance
- b. does not corrode
- c. resists scratches
- d. cheaper Metal

ବିଦ୍ୟୁତ୍ ପ୍ରଲେପନରେ କ୍ରୋମିୟମକୁ ବ୍ୟବହାର କରିବାର କାରଣ

- a. ଚେଜିୟାନ ଦେଖାଯିବା
- b. କ୍ଷୟ ହୁଏ ନାହିଁ
- c. ଦାଗ ପ୍ରତିରୋଧ
- d. ଶିଳ୍ପ ଧାତୁ

- 1. a, c
- 2. b, d
- 3. a, c, d
- 4. a, b, c

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 75 Question Id : 3922663675 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The filament of an electric bulb is made of tungsten, because of

1. High resistivity and high melting point
2. Low resistivity and low melting point
3. High resistivity and low melting point
4. Low resistivity and high melting point

ବଲ୍‌ବର ଫିଲାମେଣ୍ଟ ପ୍ରସ୍ତୁତିରେ ଟଙ୍ଗଷ୍ଟନ୍ ବ୍ୟବହାର କରାଯାଏ । କାରଣ

1. ଉଚ୍ଚ ବିଶିଷ୍ଟ ପ୍ରତିରୋଧ ଏବଂ ଉଚ୍ଚ ଗଳନାଙ୍କ
2. କମ୍ ବିଶିଷ୍ଟ ପ୍ରତିରୋଧ ଏବଂ ନିମ୍ନ ଗଳନାଙ୍କ
3. ଉଚ୍ଚ ବିଶିଷ୍ଟ ପ୍ରତିରୋଧ ଏବଂ ନିମ୍ନ ଗଳନାଙ୍କ
4. କମ୍ ବିଶିଷ୍ଟ ପ୍ରତିରୋଧ ଏବଂ ଉଚ୍ଚ ଗଳନାଙ୍କ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 76 Question Id : 3922663676 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

'n' resistors each of value  $R\Omega$  are connected in parallel. The effective resistance is

ପ୍ରତ୍ୟେକଟି  $R\Omega$  ପ୍ରତିରୋଧ ବିଶିଷ୍ଟ 'n' ଟି ପ୍ରତିରୋଧକୁ ସମାନ୍ତର ସଂଯୋଗ କରାଗଲେ ଫଳିତ ପ୍ରତିରୋଧ

1.  $nR$
2.  $\frac{R}{n}$
3.  $\frac{n}{R}$
4.  $\frac{1}{nR}$

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 77 Question Id : 3922663677 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Two bulbs whose resistances are in the ratio 1:2 are connected in parallel to a source of constant voltage. The ratio of power dissipation in these is

ପ୍ରତିରୋଧଗୁଡ଼ିକର ଅନୁପାତ 1:2 ଥିବା ଦୁଇଟି ବଲ୍‌ବକୁ ସ୍ଥିର ବିଭବାନ୍ତର ଉତ୍ସରେ ସମାନ୍ତର ସଂଯୋଗ କରାଗଲା । ସେଗୁଡ଼ିକ ବିନିଯୋଗ କରିବା କ୍ଷମତାର ଅନୁପାତ

1.  $\sqrt{2} : 1$
2. 4:1
3. 2:1
4. 1:4

Options :

1. ✗ 1

2. ✗ 2

3. ✓ 3

4. ✗ 4

Question Number : 78 Question Id : 3922663678 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The length of the conductor, moving with a speed of 10m/s in the direction perpendicular to the direction of magnetic field of induction 0.8T. If it induces an emf of 8V is

0.8 T ତ୍ଵରଣକାରୀ ଅଭିବାହ ସାନ୍ଦ୍ରତା ଥାଇ କ୍ଷେତ୍ର ଦିଗ ସହ ଲମ୍ବ ଭାବେ

10 ମି./ସେ. ବେଗରେ ଗତି କରୁଥିବା ପରିବାହୀର ଦୁଇ ପ୍ରାନ୍ତ ମଧ୍ୟରେ 8 V

ବିଦ୍ୟୁତ୍ ଚାଳକ ବଳ ପ୍ରେରିତ ହେଲେ ପରିବାହୀର ଦୈର୍ଘ୍ୟ

1. 0
2. 64m
3. 6.4m
4. 1m

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 79 Question Id : 3922663679 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If the current flow in a straight wire is vertically upwards, the shape and direction of magnetic field lines is

1. Circular, anti clock wise
2. Circular, Clock wise
3. Elliptical, anti clock wise
4. Elliptical, clock wise

ଯଦି ଗୋଟିଏ ତାରରେ ବିଦ୍ୟୁତ୍ ପ୍ରବାହ ଭୂଲମ୍ବରେ ଉର୍ଦ୍ଧ୍ୱକୁ ହୁଏ, ତେବେ ତୁମ୍ଭଙ୍କର  
ବଳରେଖାଗୁଡ଼ିକର ଆକୃତି ଏବଂ ଦିଗ ଯଥାକ୍ରମେ

1. ବୃତ୍ତାକାର, ବାମାବର୍ତ୍ତ
2. ବୃତ୍ତାକାର, ଦକ୍ଷିଣାବର୍ତ୍ତ
3. ଅଣ୍ଡାକାର, ବାମାବର୍ତ୍ତ
4. ଅଣ୍ଡାକାର, ଦକ୍ଷିଣାବର୍ତ୍ତ

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 80 Question Id : 3922663680 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A loop of wire is placed in a magnetic field  $\vec{B} = 0.02\hat{i} \text{ T}$ , the flux through the loop if the area vector  $\vec{A} = 30\hat{i} + 16\hat{j} + 23\hat{k} \text{ m}^2$  is

ଏକ ତାରକୁଣ୍ଡଳକୁ ତୁମ୍ବକୀୟ କ୍ଷେତ୍ର  $\vec{B} = 0.02\hat{i} \text{ T}$ , ରେ ରଖାଗଲେ, ଯଦି ସଦିଶ କ୍ଷେତ୍ରଫଳ  $\vec{A} = 30\hat{i} + 16\hat{j} + 23\hat{k} \text{ m}^2$  ହୁଏ, ତେବେ କୁଣ୍ଡଳରେ ସୃଷ୍ଟି ହେବା ତୁମ୍ବକୀୟ ଅଭିବାହ

1. 1.38Wb
2. 0.46Wb
3. 0.32Wb
4. 0.6Wb

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 81 Question Id : 3922663681 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

In the reaction between carboxylic acid and alcohol, the product is

1. an aldehyde
2. a ketone
3. an ether
4. an ester

କାର୍ବୋକ୍ସିଲିକ୍ ଅମ୍ଳ ଏବଂ ଆଲ୍କହଲ୍ ମଧ୍ୟରେ ପ୍ରତିକ୍ରିୟା ଘଟି ଏହି ଉତ୍ପାଦ ସୃଷ୍ଟି ହୁଏ

1. ଆଲଡିହାଇଡ୍
2. କିଟୋନ୍
3. ଇଥର୍
4. ଏଷ୍ଟର୍

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 82 Question Id : 3922663682 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The nonferrous ore from the following

1. Siderite
2. Magnetite
3. Haematite
4. Malachite

ନିମ୍ନ ମଧ୍ୟରୁ ଲୌହ ବିହୀନ ଧାତୁପିଣ୍ଡ

1. ସିଡେରାଇଟ୍
2. ମ୍ୟାଗ୍ନେଟାଇଟ୍
3. ହେମାଟାଇଟ୍
4. ମାଲାଚାଇଟ୍

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 83 Question Id : 3922663683 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Law of conservation of mass : Lavoisier :: Law of constant proportion :

1. Dalton
2. Proust
3. Thompson
4. Democratis

ବସ୍ତୁର ନିତ୍ୟତା ନିୟମ : ଲାଭଇସିଅର୍ :: ସ୍ଥିରାନୁପାତ ନିୟମ :

1. ଡାଲଟନ୍
2. ପ୍ରୋଷ୍ଟ
3. ଥମ୍ପସନ୍
4. ଡିମୋକ୍ରାଟିସ୍

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 84 Question Id : 3922663684 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Among halogens, the correct order of amount of energy released in electron gain

ହେଲୋଜେନ୍‌ଗୁଡ଼ିକ ଇଲେକ୍ଟ୍ରନ୍ ଗ୍ରହଣ କରିବା ଦ୍ୱାରା ନିର୍ଗତ ହେବା ଶକ୍ତି ପରିମାଣର ସଠିକ କ୍ରମ

1.  $F < Cl < Br < I$
2.  $F < Cl > Br > I$
3.  $F > Cl > Br > I$
4.  $F < Cl < Br > I$

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3

4. ✖ 4

Question Number : 85 Question Id : 3922663685 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The incorrect statement about Pi-bond

1. Pi-bond results from lateral overlap of atomic orbitals
2. Bond dissociation energy of Pi-bond is less than sigma bond
3. Pi-bond is formed when a sigma bond already exists
4. Pi-bond is stronger than sigma bond

ପାଇ-ବନ୍ଧ ସମ୍ପର୍କିତ ଭୁଲ ଉକ୍ତିଟି

1. ପରମାଣୁର ଅବିଚାଳଗୁଡ଼ିକର ପାର୍ଶ୍ୱୀୟ ଅତିବ୍ୟାପନ ଘଟିବା ଦ୍ୱାରା ପାଇ ବନ୍ଧ ସୃଷ୍ଟି ହୁଏ
2. ସିଗ୍ମା ବନ୍ଧ ତୁଳନାରେ ପାଇ ବନ୍ଧର ବନ୍ଧ ବିଚ୍ଛିନ୍ନ ଶକ୍ତି କମ୍
3. ସିଗ୍ମା ବନ୍ଧ ସୃଷ୍ଟି ହେବା ପରେ ହିଁ ପାଇ ବନ୍ଧ ସୃଷ୍ଟି ହୋଇଥାଏ
4. ସିଗ୍ମା ବନ୍ଧ ଅପେକ୍ଷା ପାଇ ବନ୍ଧ ସବଳ ଅଟେ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 86 Question Id : 3922663686 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Example of inexhaustible source of energy is

1. Wild life
2. Minerals
3. Forests
4. Sunlight

ଅଶେଷ ଶକ୍ତି ଉତ୍ସର ଉଦାହରଣ

1. ବନ୍ୟପ୍ରାଣୀ
2. ଖଣିଜ ପଦାର୍ଥ
3. ଜଙ୍ଗଲ
4. ସୂର୍ଯ୍ୟ ରଶ୍ମି

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 87 Question Id : 3922663687 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Assertion (A): Disposal of plastics is a major problem

Reason (R): Plastics are non-biodegradable substances

1. Both 'A' & 'R' incorrect
2. 'A' correct but 'R' incorrect
3. Both A&R correct and 'R' is the correct explanation of 'A'
4. Both A & R correct but 'R' is not correct explanation of 'A'

ଦୃଢ଼ୋକ୍ତି (A) : ପ୍ଲାଷ୍ଟିକ୍ ବର୍ଜନ କରିବା ଏକ ମୁଖ୍ୟ ସମସ୍ୟା

କାରଣ (R) : ପ୍ଲାଷ୍ଟିକ୍ ଗୁଡ଼ିକ ଜୈବ ଅବଶୟ ଅଯୋଗ୍ୟ ପଦାର୍ଥ

1. A ଏବଂ R ଉଭୟ ଅସତ୍ୟ
2. A ସତ୍ୟ, କିନ୍ତୁ R ଅସତ୍ୟ
3. A ଏବଂ R ଉଭୟ ସତ୍ୟ ଏବଂ R, A ର ସଠିକ୍ ବ୍ୟାଖ୍ୟା ଅଟେ
4. A ଏବଂ R ଉଭୟ ସତ୍ୟ, କିନ୍ତୁ R, A ର ସଠିକ୍ ବ୍ୟାଖ୍ୟା ନୁହେଁ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 88 Question Id : 3922663688 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Chemical nature of Magnesium oxide is

1. Acidic
2. Basic
3. Neutral
4. Amphoteric

ମ୍ୟାଗ୍ନେସିୟମ୍ ଅକ୍ସାଇଡ୍ ର ରାସାୟନିକ ସ୍ୱଭାବ

1. ଅମ୍ଳୀୟ
2. କ୍ଷାରୀୟ
3. ତଟସ୍ଥ
4. ଉଭୟ ଧର୍ମୀ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 89 Question Id : 3922663689 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Based on calorific value of fuels, the best fuel

1. CNG
2. LPG
3. Hydrogen
4. Biogas

ଈନ୍ଦ୍ରିୟ ଉଷ୍ମତାମାନ ଅନୁସାରେ ଉତ୍ତମ ଇନ୍ଦ୍ରିୟ

1. ସି ଏନ୍ ଜି
2. ଏଲ୍ ପି ଜି
3. ଉଦ୍ଭୀନ
4. ବାୟୋଗ୍ୟାସ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 90 Question Id : 3922663690 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The pH of solutions A, B, C and D are 11.2, 5.3, 7.6 and 1.4 respectively. The strong acid is

A, B, C ଏବଂ D ଦ୍ରବଣଗୁଡ଼ିକର pH ମୂଲ୍ୟ ଯଥାକ୍ରମେ 11.2, 5.3, 7.6 ଏବଂ 1.4 । ଏଥିରୁ ସବଳ ଅମ୍ଳ

1. D
2. A
3. C
4. B

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 91 Question Id : 3922663691 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The correct sentence from the following

1. In physical change no new substance is formed
2. In chemical change no new substances is formed
3. Chemical change is not permanent
4. Physical change is not reversible

ନିମ୍ନରୁ ସଠିକ ଉକ୍ତିଟି

1. ଭୌତିକ ପରିବର୍ତ୍ତନରେ ନୂତନ ପଦାର୍ଥ ସୃଷ୍ଟି ହୁଏ ନାହିଁ
2. ରାସାୟନିକ ପରିବର୍ତ୍ତନରେ ନୂତନ ପଦାର୍ଥ ସୃଷ୍ଟି ହୁଏ ନାହିଁ
3. ରାସାୟନିକ ପରିବର୍ତ୍ତନ ସ୍ଥାୟୀ ନୁହେଁ
4. ଭୌତିକ ପରିବର୍ତ୍ତନ ପ୍ରତିବର୍ତ୍ତନୀୟ ନୁହେଁ

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 92 Question Id : 3922663692 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Match the following

**SET-A**

- A. Pure substance
- B. Suspension
- C. Colloid
- D. Alloy

ନିମ୍ନଗୁଡ଼ିକୁ ଯୋଡ଼

**SET-A**

- A. ବିଶୁଦ୍ଧ ପଦାର୍ଥ
- B. ଅବଲମ୍ବନ
- C. କଲଏଡ଼
- D. ମିଶ୍ର ଧାତୁ

**SET-B**

- P. Milk
- Q. Solid solution
- R. Metal
- S. Cough syrup

**SET-B**

- P. କ୍ଷୀର
- Q. କଠିନ ଦ୍ରବଣ
- R. ଧାତୁ
- S. କଫ ସିରପ୍

- 1. A-R, B-S, C-Q, D-P
- 2. A-R, B-P, C-S, D-Q
- 3. A-R, B-S, C-P, D-Q
- 4. A-S, B-P, C-Q, D-R

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 93 Question Id : 3922663693 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The wrong combination from the following

1. Red planet – Mars
2. Morning star – Venus
3. Hottest planet – Mercury
4. Evening star – Jupiter

ନିମ୍ନରୁ ଭୁଲ ଯୋଡ଼ିଟି

1. ଲାଲ ଗ୍ରହ - ମଙ୍ଗଳ
2. ପାହାଡ଼ିଆ ତାରା - ଶୁକ୍ର
3. ଉତ୍ତମ ଗ୍ରହ - ବୁଧ
4. ସନ୍ଧ୍ୟା ତାରା - ବୃହସ୍ପତି

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 94 Question Id : 3922663694 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Destructive earthquakes have magnitude higher than \_\_\_\_ on Richter scale

ବିଧ୍ଵଂସକାରୀ ଭୂମିକମ୍ପ ଘଟିବା ସମୟରେ ରିକ୍ଟର ସ୍କେଲରେ ..... ଠାରୁ ଅଧିକ ରିଡିଙ୍ଗ୍ ଦେଖାଏ ।

1. 3
2. 5
3. 7
4. 6

Options :

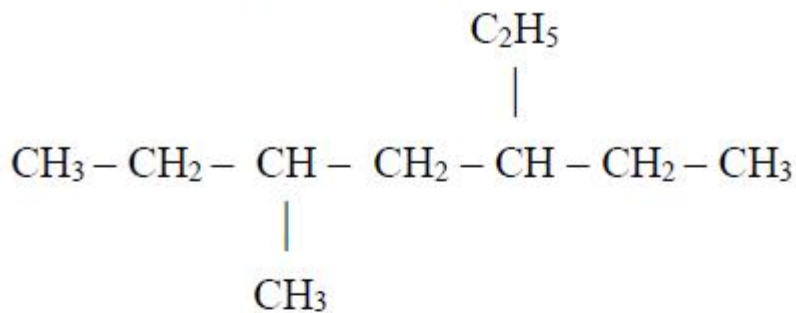
1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 95 Question Id : 3922663695 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

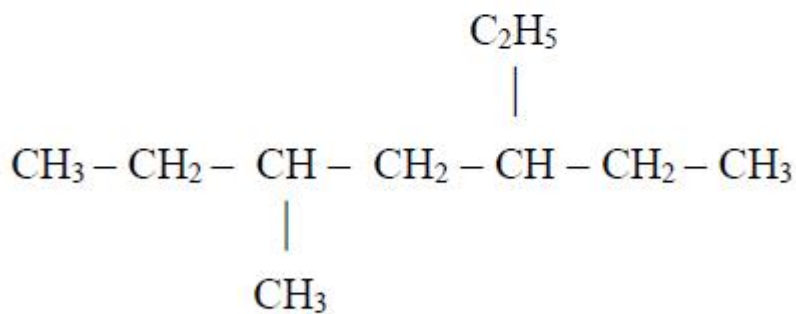
Correct Marks : 0.5 Wrong Marks : 0

IUPAC name of the following structural formula is



1. 3-ethyl, 5-methyl heptane
2. 5-ethyl, 3-methyl heptane
3. 3-methyl, 5-ethyl heptane
4. 5-ethyl, 3-methyl hexane

ନିମ୍ନ ନିର୍ଦ୍ଦାଶାତ୍ମକ ସଙ୍କେତର IUPAC ନାମ



1. 3-ଇଥାଇଲ୍, 5-ମିଥାଇଲ୍ ହେପ୍ଟେନ୍
2. 5-ଇଥାଇଲ୍, 3-ମିଥାଇଲ୍ ହେପ୍ଟେନ୍
3. 3-ମିଥାଇଲ୍, 5-ଇଥାଇଲ୍ ହେପ୍ଟେନ୍
4. 5-ଇଥାଇଲ୍, 3-ମିଥାଇଲ୍ ହେକ୍ସେନ୍

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 96 Question Id : 3922663696 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In a chemical equation, the arrow mark between reactants and products, indicates

1. Direction of the reaction
2. Evolved gas
3. Catalyst
4. Precipitate

ଏକ ରାସାୟନିକ ସମୀକରଣରେ ପ୍ରତିକାରକ ଓ ଉତ୍ପାଦ ମଧ୍ୟରେ ଥିବା ତୀର ଚିହ୍ନ  
ଏହା ସୂଚାଏ

1. ପ୍ରତିକ୍ରିୟାର ଦିଗ
2. ଗ୍ୟାସ୍ ଉତ୍ପନ୍ନ
3. ଉତ୍ତପ୍ରେରକ
4. ଅବକ୍ଷେପ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 97 Question Id : 3922663697 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which of the following is not a property of solution

1. Solution is a homogeneous mixture
2. The particles of a solution cannot be seen by naked eyes
3. The particles of solution can scatter a beam of light
4. The solute particles cannot be separated by filtration process

ନିମ୍ନରୁ କେଉଁଟି ଏକ ଦ୍ରବଣର ଧର୍ମ ନୁହେଁ

1. ଦ୍ରବଣ ଏକ ସଜାତି ମିଶ୍ରଣ
2. ଦ୍ରବଣର କଣିକାଗୁଡ଼ିକ ଖାଲି ଆଖିରେ ଦେଖାଯାଏ ନାହିଁ
3. ଦ୍ରବଣର କଣିକାଗୁଡ଼ିକ ଆଲୋକ ରଶ୍ମିଗୁଡ଼ିକୁ ବିଚ୍ଛୁରିତ କରିଥାଏ
4. ଆସ୍ରବଣ ପଦ୍ଧତିରେ ଦ୍ରବ୍ୟ କଣିକାକୁ ପୃଥକ କରିପାରିବା ନାହିଁ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 98 Question Id : 3922663698 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

As per Bohr-Bury condition, the maximum no. of electrons that can be accommodated in shell – M

ବୋର୍-ବୁରି ସର୍ତ୍ତ ଅନୁସାରେ – M କକ୍ଷ ଧାରଣ କରିପାରିବା ସର୍ବାଧିକ

ଇଲେକ୍ଟ୍ରନ୍ ସଂଖ୍ୟା

1. 2
2. 32
3. 8
4. 18

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 99 Question Id : 3922663699 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Wrong combination from the following

1. Oxygen – supports combustion
2. Nitrogen – occupies  $\frac{1}{4}$  of air
3. Carbondioxide – Released in respiration
4. Atmosphere – Thin layer of air

ନିମ୍ନରୁ ଭୁଲ ଯୋଡ଼ିଟି

1. ଅମ୍ଳଜାନ — ଦହନରେ ସହାୟକ
2. ନାଇଟ୍ରୋଜେନ୍ — ବାୟୁର  $\frac{1}{4}$  ଭାଗ ଦଖଲ କରନ୍ତି
3. ଅକ୍ସିଜେନ୍ — ଶ୍ୱାସନରେ ନିର୍ଗତ ହୋଇଥାଏ
4. ବାୟୁମଣ୍ଡଳ — ବାୟୁର ପତଳା ସ୍ତର

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 100 Question Id : 3922663700 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The element with least electron affinity among the following

1. Fluorine
2. Cesium
3. Chlorine
4. Oxygen

ନିମ୍ନ ମଧ୍ୟରୁ ଇଲେକ୍ଟ୍ରନ୍ ଆସକ୍ତି ଅତି କମ୍ ଥିବା ମୌଳିକ

1. ଫ୍ଲୁରିନ୍
2. ସିଜିୟମ୍
3. କ୍ଲୋରିନ୍
4. ଅକ୍ସିଜେନ୍

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 101 Question Id : 3922663701 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Hybridization of Orbitals involves

1. Removal of electron pair
2. Addition of electron pair
3. Mixing up of atomic orbitals
4. Separation of atomic orbitals

କକ୍ଷାୟଗୁଡ଼ିକର ସଙ୍କରୀକରଣରେ ଏହା ଘଟିଥାଏ

1. ଇଲେକ୍ଟ୍ରନ୍ ଯୋଡ଼ା ଅପସାରଣ ହୁଏ
2. ଇଲେକ୍ଟ୍ରନ୍ ଯୋଡ଼ା ଯୋଗ ହୁଏ
3. ପାରମାଣବିକ କକ୍ଷାୟଗୁଡ଼ିକ ସଂଯୁକ୍ତ ହୁଏ
4. ପାରମାଣବିକ କକ୍ଷାୟଗୁଡ଼ିକ ପୃଥକ୍ ହୁଏ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 102 Question Id : 3922663702 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Odd one from the following

1. Polythene
2. Rayon
3. Nylon
4. Polyester

ନିମ୍ନରୁ ଭିନ୍ନଟି

1. ପଲିଥିନ୍
2. ରେୟନ୍
3. ନାଇଲନ୍
4. ପଲିଷ୍ଟର୍

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 103 Question Id : 3922663703 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Assertion (A): Zinc displaces copper from Copper sulphate

Reason(R): Copper is less reactive than Zinc

1. Both A & R correct but 'R' is not correct explanation of 'A'
2. Both A&R correct and 'R' is correct explanation of 'A'
3. Both A&R incorrect
4. 'A' correct and 'R' incorrect

ଦୃଢ଼ୀକୃତ(A): କପର୍ ସଲ୍‌ଫେଟ୍‌ରୁ କପର୍‌କୁ ଜିଙ୍କ ବିସ୍ଥାପିତ କରେ

କାରଣ(R): ଜିଙ୍କ ଠାରୁ କପର୍ କମ୍ ପ୍ରତିକ୍ରିୟାଶୀଳ

1. A & R ଉଭୟ ସଠିକ୍ କିନ୍ତୁ R, A ର ସଠିକ୍ ବ୍ୟାଖ୍ୟା ନୁହେଁ
2. A & R ଉଭୟ ସଠିକ୍ ଏବଂ R, Aର ସଠିକ୍ ବ୍ୟାଖ୍ୟା ଅଟେ
3. A & R ଉଭୟ ସଠିକ୍
4. A ସଠିକ୍ ଏବଂ R ସଠିକ୍ ନୁହେଁ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 104 Question Id : 3922663704 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Metal hydrogen carbonate is treated with acid. The products are

1. Salt + water
2. Salt + CO
3. Salt + CO<sub>2</sub>
4. Salt + water + CO<sub>2</sub>

ଧାତବ ହାଇଡ୍ରୋଜେନ୍ କାର୍ବୋନେଟ୍ ଅମ୍ଳ ସହ ପ୍ରତିକ୍ରିୟା କଲାବେଳେ,  
ଉତ୍ପାଦଗୁଡ଼ିକ

1. ଲବଣ + ଜଳ
2. ଲବଣ + CO
3. ଲବଣ + CO<sub>2</sub>
4. ଲବଣ + ଜଳ + CO<sub>2</sub>

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 105 Question Id : 3922663705 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Match the following

| Fatty Acid       | Formula               |
|------------------|-----------------------|
| A. Stearic acid  | P. $C_{15}H_{31}COOH$ |
| B. Oleic acid    | Q. $CH_3COOH$         |
| C. Palmitic acid | R. $C_{17}H_{33}COOH$ |
| D. Ethanoic acid | S. $C_{17}H_{35}COOH$ |

ନିମ୍ନଗୁଡ଼ିକୁ ଯୋଡ଼

| ମେଦାମ୍ଳ            | ସଙ୍କେତ                |
|--------------------|-----------------------|
| A. ଷ୍ଟିରିକ୍ ଅମ୍ଳ   | P. $C_{15}H_{31}COOH$ |
| B. ଓଲିକ୍ ଅମ୍ଳ      | Q. $CH_3COOH$         |
| C. ପାଲ୍ମିଟିକ୍ ଅମ୍ଳ | R. $C_{17}H_{33}COOH$ |
| D. ଇଥାନୋଇକ୍ ଅମ୍ଳ   | S. $C_{17}H_{35}COOH$ |

1. A-R, B-S, C-Q, D-P
2. A-S, B-R, C-Q, D-P
3. A-S, B-R, C-P, D-Q
4. A-R, B-S, C-P, D-Q

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 106 Question Id : 3922663706 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

For  $n = 3$ , the  $m_l$  values are

$n = 3$  ପାଇଁ  $m_l$  ର ମୂଲ୍ୟ

1.  $-1, 0, +1$
2.  $-2, -1, 0, +1, +2$
3.  $-3, -2, -1, 0, +1, +2, +3$
4. 2

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 107 Question Id : 3922663707 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The periodic property without units

1. Atomic radius
2. Electron affinity
3. Ionization energy
4. Electro negativity

ଏକକ ନ ଥିବା ପର୍ଯ୍ୟାୟ ଧର୍ମଟି

1. ପାରମାଣବିକ ବ୍ୟାସାର୍ଦ୍ଧ
2. ଇଲେକ୍ଟ୍ରନ୍ ଆସକ୍ତି
3. ଆୟନୀକରଣ ଶକ୍ତି
4. ବିଦ୍ୟୁତ୍ ରଣାତ୍ମକତା

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 108 Question Id : 3922663708 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The colour of China rose indicator in basic medium

1. Dark pink
2. Green
3. Yellow
4. Red

ସ୍ନାୟୁର ମାଧ୍ୟମରେ ମହାର ଫୁଲ ସୂଚକର ବର୍ଣ୍ଣ

1. ଗାଢ଼ ଗୋଲାପୀ
2. ସବୁଜ
3. ହଳଦିଆ
4. ଲାଲ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 109 Question Id : 3922663709 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The favorable conditions for liquification of gases

1. Low temperature & low pressure
2. High temperature & high pressure
3. Low temperature & high pressure
4. High temperature & low pressure

ଗ୍ୟାସ୍‌ଗୁଡ଼ିକର ତରଳୀକରଣ ନିମନ୍ତେ ଅନୁକୂଳ ପରିସ୍ଥିତି

1. କମ୍ ତାପମାତ୍ରା ଏବଂ କମ୍ ଚାପ
2. ଉଚ୍ଚ ତାପମାତ୍ରା ଏବଂ ଉଚ୍ଚ ଚାପ
3. କମ୍ ତାପମାତ୍ରା ଏବଂ ଉଚ୍ଚ ଚାପ
4. ଉଚ୍ଚ ତାପମାତ୍ରା ଏବଂ କମ୍ ଚାପ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 110 Question Id : 3922663710 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

No. of valence electrons and valency of Argon are

1. valence electrons: 8, valency: 0
2. valence electrons :18, valency: 8
3. valence electrons: 0, valency: 0
4. valence electrons:2, valency: 2

ଆର୍ଗନ୍‌ର ଯୋଜ୍ୟତା ଇଲେକ୍ଟ୍ରନ୍ ସଂଖ୍ୟା ଏବଂ ଯୋଜ୍ୟତା

1. ଯୋଜ୍ୟତା ଇଲେକ୍ଟ୍ରନ୍ :8, ଯୋଜ୍ୟତା :0
2. ଯୋଜ୍ୟତା ଇଲେକ୍ଟ୍ରନ୍ :18, ଯୋଜ୍ୟତା :8
3. ଯୋଜ୍ୟତା ଇଲେକ୍ଟ୍ରନ୍ :0, ଯୋଜ୍ୟତା :0
4. ଯୋଜ୍ୟତା ଇଲେକ୍ଟ୍ରନ୍ :2, ଯୋଜ୍ୟତା :2

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 111 Question Id : 3922663711 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The compound used for softening of water

ମୃଦୁ ଜଳରେ ପରିଣତ କରିବା ପାଇଁ ଜଳରେ ଏହି ଯୌଗିକକୁ ମିଶାଯାଏ

1.  $Ca_3(PO_4)_2$
2.  $Na_3PO_4$
3.  $Na_6P_6O_{18}$
4.  $Na_2HPO_4$

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 112 Question Id : 3922663712 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Two flasks 'A' and 'B' of 500ml each are respectively filled with oxygen and nitrogen at 300K and 1atm. Pressure. The flasks will contain

1. The same number of moles
2. The same number of atoms
3. The same amount of gases
4. More no. of moles in flask 'A' than flask 'B'

300 K ତାପମାତ୍ରା, 1 ବାୟୁମଣ୍ଡଳୀୟ ଚାପରେ 500ମିଲି.ଲି. ବିଶିଷ୍ଟ ଦୁଇଟି  
ଫ୍ଲାସ୍କ 'A' ଏବଂ 'B' ମଧ୍ୟରେ ଯଥାକ୍ରମେ ଅମ୍ଳଜାନ ଏବଂ ନାଇଟ୍ରୋଜନକୁ ପୂର୍ଣ୍ଣ  
କରାଯାଇଛି । ତେବେ ସେହି ଫ୍ଲାସ୍କଗୁଡ଼ିକ ଏହା ଧାରଣ କରିଥିବ

1. ସମାନ ସଂଖ୍ୟକ ମୋଲ୍
2. ସମାନ ସଂଖ୍ୟକ ପରମାଣୁ
3. ସମାନ ପରିମାଣର ଗ୍ୟାସ୍
4. 'B' ଫ୍ଲାସ୍କ ଅପେକ୍ଷା 'A' ଫ୍ଲାସ୍କ ଅଧିକ ସଂଖ୍ୟକ ମୋଲ୍

Options :

1. ✔ 1
2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 113 Question Id : 3922663713 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The following acid is a vitamin

1. Ascorbic acid
2. Adipic acid
3. Saccharic acid
4. Aspartic acid

ନିମ୍ନ ଅମ୍ଳଟି ଭିଟାମିନ୍ ଅଟେ

1. ଆସ୍କରବିକ୍ ଅମ୍ଳ
2. ଏଡିପିକ୍ ଅମ୍ଳ
3. ସାକାରିକ୍ ଅମ୍ଳ
4. ଆସ୍ପାର୍ଟିକ୍ ଅମ୍ଳ

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 114 Question Id : 3922663714 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Glycerol is added to soap. It's functions is

1. to increase lathering
2. to prevent rapid drying
3. to make soap granules
4. as a filter

ସାବୁନରେ ଗ୍ଲିସେରିଲ୍ ମିଶାଯାଏ । ଏହାର କାର୍ଯ୍ୟ

1. ଫେଣ ବୃଦ୍ଧି କରିବା ପାଇଁ
2. ଶୀଘ୍ର ନ ଶୁଖିବା ପାଇଁ
3. ସାବୁନ କଣିକା ତିଆରି ପାଇଁ
4. ଫିଲ୍ଟର ରୂପେ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 115 Question Id : 3922663715 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The outer most shell's electron configuration of the most electro negative element

ଅତ୍ୟଧିକ ରଶ ବିଦ୍ୟୁତାତ୍ମକତା ବିଶିଷ୍ଟ ମୌଳିକର ବାହ୍ୟ କକ୍ଷ ଇଲେକ୍ଟ୍ରନ ବିନ୍ୟାସ

1.  $2s^2 2p^3$
2.  $3s^2 3p^5$
3.  $4s^2 4p^5$
4.  $5s^2 5p^5$

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 116 Question Id : 3922663716 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

$CH_3CH_2OH$  can be converted into  $CH_3CHO$  by

1. Catalytic hydrogenation
2. Treatment with  $LiAlH_4$
3. Treatment with pyridium chloro chromate
4. Treatment with  $KMnO_4$

ଏହାଦ୍ୱାରା  $CH_3CH_2OH$  କୁ  $CH_3CHO$  ରୂପେ ପରିଣତ କରାଯାଇପାରିବ

1. ଉତ୍ପ୍ରେରକ ଉଦ୍‌ଜାନୀକରଣ
2.  $LiAlH_4$  ସହ ପ୍ରତିକ୍ରିୟା
3. ପିରିଡିୟମ୍ କ୍ଲୋରୋ କ୍ରୋମେଟ୍ ସହ ପ୍ରତିକ୍ରିୟା
4.  $KMnO_4$  ଦ୍ୱାରା ପ୍ରତିକ୍ରିୟା

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 117 Question Id : 3922663717 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The enzyme used to convert starch into maltose

1. Invertase
2. Zymase
3. Diastase
4. Maltase

ମଣ୍ଡକକୁ ମାଲ୍ଟୋଜ୍‌ରେ ପରିଣତ କରିବା ପାଇଁ ବ୍ୟବହୃତ ଏନ୍‌ଜାଇମ୍

1. ଇନ୍‌ଭର୍ଟେଜ୍
2. ଜାଇମେଜ୍
3. ଡାଇଆଷ୍ଟେଜ୍
4. ମାଲ୍ଟେଜ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 118 Question Id : 3922663718 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The electron deficient molecule / molecules from the following

ନିମ୍ନ ମଧ୍ୟରୁ ଇଲେକ୍ଟ୍ରନ୍ ଅଭାବ ଅଣୁ/ଅଣୁଗୁଡ଼ିକ

- a)  $BCl_3$
  - b)  $BeCl_2$
  - c)  $NH_3$
1. a, b
  2. c
  3. b, c
  4. a, c

Options :

1. ✔ 1
2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 119 Question Id : 3922663719 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The compound used as anti knock in gasoline.

1. Lead tetra acetate
2. Basic lead sulphate
3. Led tetra ethyl
4. sublimated white lead

ଗ୍ୟାସୋଲିନ୍‌ରେ ଆଣ୍ଟି ନକ୍ (ବିସ୍କୋଟକ ପ୍ରତିରୋଧ) ପଦାର୍ଥ ରୂପେ ଏହି  
ଯୌଗିକକୁ ବ୍ୟବହାର କରାଯାଏ

1. ଲେଡ୍ ଟେଟ୍ରା ଏସିଟେଟ୍
2. କ୍ଷାରୀୟ ଲେଡ୍ ସଲ୍‌ଫେଟ୍
3. ଲେଡ୍ ଟେଟ୍ରା ଇଥାଇଲ୍
4. ଉର୍ଦ୍ଧ୍ବପାତିତ ଧଳା ଲେଡ୍

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 120 Question Id : 3922663720 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The bleaching action of  $\text{SO}_2$  is due to its

1. Oxidizing property
2. Reducing property
3. Acidic property
4. Basic property

$\text{SO}_2$  ର ବିରଜନ କ୍ରିୟା ନିମ୍ନ ଯୋଗୁଁ ହୋଇଥାଏ

1. ଜାରଣ ଧର୍ମ
2. ବିଜାରଣ ଧର୍ମ
3. ଅମ୍ଳୀୟ ଧର୍ମ
4. କ୍ଷାରୀୟ ଧର୍ମ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

## Section 5

|                                       |           |
|---------------------------------------|-----------|
| Section Id :                          | 392266123 |
| Section Number :                      | 5         |
| Section type :                        | Online    |
| Mandatory or Optional :               | Mandatory |
| Number of Questions :                 | 40        |
| Number of Questions to be attempted : | 40        |
| Section Marks :                       | 20        |
| Maximum Instruction Time :            | 0         |
| Sub-Section Number :                  | 1         |
| Sub-Section Id :                      | 392266123 |
| Question Shuffling Allowed :          | Yes       |

Question Number : 121 Question Id : 3922663721 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

‘Alchemy’ is considered as the antecedent of

1. Physics
2. Biology
3. Chemistry
4. Psychology

‘ଆଲ୍‌କେମି’କୁ ଏହାର ପୂର୍ବବର୍ତ୍ତୀ ଭାବରେ ବିବେଚନା କରାଯାଏ

1. ପଦାର୍ଥ ବିଜ୍ଞାନ
2. ଜୀବବିଜ୍ଞାନ
3. ରସାୟନ ବିଜ୍ଞାନ
4. ମନୋବିଜ୍ଞାନ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 122 Question Id : 3922663722 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Observe the following statements and find out correct answer

A) Nuclear atomic model became basis for Quantum theory of Hydrogen atom

B) Positron confirmed the concept of antiparticles proposed by Paul Dirac.

1. A is correct

2. B is correct

3. A, B both are incorrect

4. A, B both are correct

ନିମ୍ନ ଉକ୍ତିଗୁଡ଼ିକ ନିରୀକ୍ଷଣ କର ଏବଂ ସଠିକ୍ ଉତ୍ତର ଚୟନ କର

A) ପରମାଣୁ ନାଭିକୀୟ ନମୁନା ହାଇଡ୍ରୋଜେନ୍ ପରମାଣୁର କ୍ୱାଣ୍ଟମ ସିଦ୍ଧାନ୍ତ ଉପରେ ଆଧାରିତ

B) ପାଲ୍ ଡିରାକ୍ ପ୍ରବେଶ କରିଥିବା ପ୍ରତିକଶିକା ଧାରଣାକୁ ପଞ୍ଜିତ୍ରୀୟ ସ୍ୱୀକୃତି ଦେଇଥିଲେ ।

1. A ଠିକ୍

2. B ଠିକ୍

3. A, B ଉଭୟ ଠିକ୍ ନୁହେଁ

4. A, B ଉଭୟ ଠିକ୍

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 123 Question Id : 3922663723 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

First step in scientific method is

1. Identification of problem
2. Defining the problem
3. Collection of data
4. Making hypothesis

ବୈଜ୍ଞାନିକ ପଦ୍ଧତିର ପ୍ରଥମ ସୋପାନ ହେଉଛି

1. ସମସ୍ୟା ଚିହ୍ନଟ
2. ସମସ୍ୟାର ସଂଜ୍ଞା ଦେବା
3. ତଥ୍ୟ ସଂଗ୍ରହ
4. ପରିକଳ୍ପନା କରିବା

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 124 Question Id : 3922663724 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Marks allotted for 'written test' in formative assessment are

ଗଠନାତ୍ମକ ଆକଳନରେ 'ଲିଖିତ ପରୀକ୍ଷା' ପାଇଁ ଆବଶ୍ୟକ ମାର୍କ

1. 25
2. 5
3. 20
4. 50

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 125 Question Id : 3922663725 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct order according to 'UNESCO Handbook for science teachers'

1. goal → aim → objective
2. goal → objective → aim
3. aim → goal → objective
4. aim → objective → goal

‘ୟୁନେସ୍କୋର Handbook for science teachers’ ଅନୁଯାୟୀ ସଠିକ୍ କ୍ରମ ଚିହ୍ନଟ କର

1. ଗନ୍ତବ୍ୟ → ଲକ୍ଷ୍ୟ → ଉଦ୍ଦେଶ୍ୟ
2. ଗନ୍ତବ୍ୟ → ଉଦ୍ଦେଶ୍ୟ → ଲକ୍ଷ୍ୟ
3. ଲକ୍ଷ୍ୟ → ଗନ୍ତବ୍ୟ → ଉଦ୍ଦେଶ୍ୟ
4. ଲକ୍ଷ୍ୟ → ଉଦ୍ଦେଶ୍ୟ → ଗନ୍ତବ୍ୟ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 126 Question Id : 3922663726 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The teaching method suitable for engaging students in learning in a over crowded class room.

1. Historical method
2. Lecture method
3. Project method
4. Lecture cum demonstration method

ଅତ୍ୟଧିକ ପିଲା ଥିବା ଶ୍ରେଣୀରେ ଶିକ୍ଷାର୍ଥୀଙ୍କୁ ପାଠପଢ଼ାରେ ନିୟୋଜିତ କରିବା ପାଇଁ ଉପଯୁକ୍ତ ଶିକ୍ଷାଦାନ ପଦ୍ଧତି

1. ଐତିହାସିକ ପଦ୍ଧତି
2. ବକ୍ତୃତା ପଦ୍ଧତି
3. ପ୍ରକଳ୍ପ ପଦ୍ଧତି
4. ବକ୍ତୃତା ସହ ପ୍ରଦର୍ଶନ ପଦ୍ଧତି

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 127 Question Id : 3922663727 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Team Teaching means

1. Teaching students in groups
2. Teaching by a group of teachers and subject experts
3. Teaching one concept for one group
4. Teaching by group leader

ଦଳୀୟ ଶିକ୍ଷାଦାନ କହିଲେ

1. ଶିକ୍ଷାର୍ଥୀଙ୍କୁ ଦଳ ଦଳ କରି ପାଠ ପଢ଼ାଇବା
2. ଶିକ୍ଷକ ଓ ବିଷୟ ବିଶେଷଜ୍ଞଙ୍କ ଏକ ଦଳ ଦ୍ୱାରା ଶିକ୍ଷାଦାନ
3. ଗୋଟିଏ ଦଳ ପାଇଁ ଗୋଟିଏ ଧାରଣା ଶିକ୍ଷା ଦେବା
4. ଦଳ ମୁଖ୍ୟଙ୍କ ଦ୍ୱାରା ଶିକ୍ଷାଦାନ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 128 Question Id : 3922663728 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Identify the mismatched pair

1. Cognitive domain – Benjamine Bloom
2. Affective domain – Roger Bacon
3. Psychomotor domain – Elizabeth Simpson
4. Project method – Kil Patrick

ମେଳ ଖାଉନଥିବା ଯୋଡ଼ି ଚିହ୍ନଟ କର

1. ଜ୍ଞାନାତ୍ମକ ପରିସର – ବେଞ୍ଜାମିନ୍ ବ୍ଲୁମ୍
2. ଭାବାତ୍ମକ ପରିସର – ରୋଜର ବେକନ୍
3. ମାନସିକ ଚଳାନାତ୍ମକ ପରିସର- ଏଲିଜାବେଥ୍ ସିମ୍ପସନ୍
4. ପ୍ରକଳ୍ପ ପଦ୍ଧତି - କିଲ ପ୍ୟାଟ୍ରିକ୍

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 129 Question Id : 3922663729 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The order that has to be followed while writing names of objects in the laboratory stock register

1. Date of purchase
2. lesson wise
3. alphabetical order
4. cost of article

ବିଜ୍ଞାନାଗାର ଷ୍ଟକ୍ ରେଜିଷ୍ଟରରେ ବସ୍ତୁର ନାମ ଲେଖିବା ପାଇଁ ଅନୁସରଣୀୟ କ୍ରମ

1. କ୍ରୟ ତାରିଖ
2. ପାଠ ଅନୁଯାୟୀ
3. ଅକ୍ଷର କ୍ରମ
4. ବସ୍ତୁର ଦର (ମୂଲ୍ୟ )

Options :

1. ✖ 1
2. ✖ 2

3. ✓ 3

4. ✗ 4

Question Number : 130 Question Id : 3922663730 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

‘Making hypothesis from the data’ is specification of this objective

1. Knowledge
2. Understanding
3. Application
4. Skill

‘ତଥ୍ୟରୁ ପରିକଳ୍ପନା ପ୍ରସ୍ତୁତ କରିବା’ ହେଉଛି ଏହି ଉଦ୍ଦେଶ୍ୟର ସ୍ୱୀକୃତି

1. ଜ୍ଞାନ
2. ଅବବୋଧ
3. ବିନିଯୋଗ
4. ନିପୁଣତା

Options :

1. ✗ 1

2. ✗ 2

3. ✓ 3

4. ✗ 4

Question Number : 131 Question Id : 3922663731 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The person/s who criticized Benjamin Bloom's 'classification of educational objectives as artificial'

1. Sympson
2. Krath Wohl
3. John Dewey
4. Lutome, Kelly

‘ବେଞ୍ଜାମିନ୍ ବ୍ଲୁମଙ୍କ ଶିକ୍ଷାଗତ ଉଦ୍ଦେଶ୍ୟଗୁଡ଼ିକର ବର୍ଗୀକରଣ କୃତ୍ରିମ ଅଟେ’ - ଏହି ସମାଲୋଚନା କରିଥିବା ବ୍ୟକ୍ତି

1. ସିମ୍ପସନ୍
2. କ୍ରାଥ୍ ଖୋଲ୍
3. ଜନ୍‌ଡୁୟା
4. ଲୁଟୋମେ, କେଲି

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 132 Question Id : 3922663732 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The chemical substance which is not present in First Aid Box is

1. Milk of Magnesia
  2. Glycerine
  3. Boric acid
  4. Potassium ferrocyanide
- ପ୍ରାଥମିକ ଚିକିତ୍ସା ବସ୍ତୁରେ ନ ଥିବା ରାସାୟନିକ ଉପାଦାନ

1. ମିଲ୍କ ଅଫ୍ ମ୍ୟାଗ୍ନେସିଆ
2. ଗ୍ଲିସେରିନ୍
3. ବୋରିକ୍ ଏସିଡ୍
4. ପୋଟାସିୟମ୍ ଫେରୋସାଇଆନାଇଡ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 133 Question Id : 3922663733 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Identify the mismatched pair regarding preservation of chemical substances.

1. Phosphorus - Preserve in water
2. Sodium - Preserve in kerosene
3. Ferrus Sulphate - Filter with Chamois leather and preserve
4. Barium Chloride - keep away from moisture

ରାସାୟନିକ ପଦାର୍ଥର ସଂରକ୍ଷଣ ସମ୍ବନ୍ଧରେ ଅମେଳ ଯୋଡ଼ିକୁ ଚିହ୍ନଟ କର ।

1. ଫସ୍ଫରସ୍ - ଜଳରେ ସଂରକ୍ଷଣ କରିବା
2. ସୋଡ଼ିୟମ୍ - କିରୋସିନରେ ସଂରକ୍ଷଣ କରିବା
3. ଫେରସ୍ ସଲ୍ଫେଟ୍ - ସାମୋଇସ୍ ଚମଡ଼ା ସହିତ ପରିସ୍ରବଣ କରି ସଂରକ୍ଷଣ କରିବା
4. ବେରିୟମ୍ କ୍ଲୋରାଇଡ୍ - ଆର୍ଦ୍ରତାଠାରୁ ଦୂରେଇ ରଖିବା

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 134 Question Id : 3922663734 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The teaching method developed on the basis of pragmatism is

1. Heuristic method
2. Historical method
3. Project method
4. Equal distribution method

ପ୍ରୟୋଗବାଦ ଆଧାରରେ ବିକଶିତ ଶିକ୍ଷାଦାନ ପଦ୍ଧତି

1. ଅନ୍ୱେଷୀ ପଦ୍ଧତି
2. ଐତିହାସିକ ପଦ୍ଧତି
3. ପ୍ରକଳ୍ପ ପଦ୍ଧତି
4. ସମବଣ୍ଟନ ପଦ୍ଧତି

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 135 Question Id : 3922663735 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is not related to synthetic structure of science

1. processes
2. procedures
3. attitudes
4. Concepts

ନିମ୍ନ ମଧ୍ୟରୁ ଗୋଟିଏ ବିଜ୍ଞାନର ସଂଶ୍ଳେଷଣାତ୍ମକ ଗଠନ ସହିତ ସମ୍ବନ୍ଧିତ ନୁହେଁ

1. ପ୍ରକ୍ରିୟା
2. ପ୍ରଣାଳୀ
3. ମନୋବୃତ୍ତି
4. ଧାରଣା

Options :

1. ✖ 1
2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 136 Question Id : 3922663736 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

According to APSCF - 2011, Classification competency comes under this academic standard

1. Communication through drawing
2. Project works
3. Making hypothesis
4. Conceptual understanding

APSCF - 2011 ଅନୁଯାୟୀ, ବର୍ଗୀକରଣ ଦକ୍ଷତା ଏହି ଶିକ୍ଷାମାନ ଅଧୀନରେ ଆସିଥାଏ

1. ଚିତ୍ରାଙ୍କନ ମାଧ୍ୟମରେ ଭାବପ୍ରସାର
2. ପ୍ରକଳ୍ପ କାର୍ଯ୍ୟ
3. ପରିକଳ୍ପନା କରିବା
4. ଧାରଣୀୟ ଅବବୋଧ

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 137 Question Id : 3922663737 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

CIRUS, DHRUVA, APSARA, KAMINI are the names of

1. Submarines
2. Ballistic missiles
3. Nuclear reactors
4. Artificial satellites

ସାଇରସ୍, ଧ୍ରୁବ, ଅପ୍ସରା, କାମିନୀ ଆଦି ଏଗୁଡ଼ିକର ନାମ

1. ବୁଡ଼ାଜାହାଜ
2. ବାଲିଷ୍ଟିକ୍ କ୍ଷେପଣାସ୍ତ୍ର
3. ନ୍ୟୁକ୍ଲିୟର୍ ରିଏକ୍ଟର
4. କୃତ୍ରିମ ଉପଗ୍ରହ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 138 Question Id : 3922663738 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Year of establishment of Council of Scientific and Industrial research – CSIR is

ବୈଜ୍ଞାନିକ ଓ ଶିଳ୍ପ ଗବେଷଣା ପରିଷଦ(CSIR) ପ୍ରତିଷ୍ଠା ହୋଇଥିବା ବର୍ଷ

1. 1976
2. 1942
3. 1947
4. 2010

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 139 Question Id : 3922663739 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is not related to 'Aryabhatta'

1. Define accurate ' $\pi$ ' value
2. Planetary model
3. Use alphabet / letters for numbers
4. Design agricultural tools

ନିମ୍ନରୁ ଏହା 'ଆର୍ଯ୍ୟଭଟ୍ଟ' ସହ ସଂପୃକ୍ତ ନୁହେଁ

1. ' $\pi$ ' ମୂଲ୍ୟର ଯଥାଯଥ ନିର୍ଣ୍ଣୟ କରିବା
2. ଗ୍ରହମଣ୍ଡଳ ନମୁନା
3. ସଂଖ୍ୟା ଗୁଡ଼ିକ କହିବା ପାଇଁ ଅକ୍ଷର ବ୍ୟବହାର କରିବା
4. କୃଷି ଉପକରଣ ତିଆରି

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 140 Question Id : 3922663740 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is not a nonverbal positive reinforcement

1. Nodding head
2. Smile
3. Claps
4. Good job

ନିମ୍ନ ମଧ୍ୟରୁ ଗୋଟିଏ ଅବାଚନିକ ସକାରାତ୍ମକ ପୁନର୍ବଳନ ନୁହେଁ

1. ମୁଣ୍ଡ ହଲାଇବା
2. ମୁରୁକି ହସ
3. ଡାଳି ମାରିବା
4. ବହୁତ ଭଲ କଲ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3

4. ✓ 4

Question Number : 141 Question Id : 3922663741 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The person is who suggested the Higher order questions,  
Divergent questions as micro teaching skills is

1. Sympson
2. B.K. Passi
3. Thorndike
4. Allen, Ryan

ଉଚ୍ଚତ୍ତରୀୟ ପ୍ରଶ୍ନ, ବହୁମୁଖୀ ପ୍ରଶ୍ନଗୁଡ଼ିକୁ ସୂକ୍ଷ୍ମ ଶିକ୍ଷାଦାନ କୌଶଳ ଭାବରେ ପ୍ରସ୍ତାବ  
ଦେଇଥିଲେ

1. ସିମ୍ପସନ୍
2. ବି.କେ.ପାସି
3. ଥର୍ଣ୍ଡାଇକ୍
4. ଆଲେନ୍, ରାଇନ୍

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 142 Question Id : 3922663742 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Into how many types did Kilpatric divided the projects

କିଲ୍ପାଟ୍ରିକ୍ ପରିଯୋଜନାଗୁଡ଼ିକୁ କେତେ ପ୍ରକାରରେ ବିଭକ୍ତ କରିଥିଲେ

1. 4
2. 8
3. 6
4. 2

Options :

1. ✓ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 143 Question Id : 3922663743 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the following is an undesirable behaviour of skill of explanation

1. Using explaining links
2. Accurate starting
3. Lack of fluency
4. Covering essential points

ନିମ୍ନ ମଧ୍ୟରୁ ଗୋଟିଏ ହେଉଛି ସ୍ୱଳ୍ପୀକରଣ ଦକ୍ଷତାର ଅବାଞ୍ଚନୀୟ ଆଚରଣ

1. ବିବରଣ ସମୂହୀୟ ବ୍ୟବହାର
2. ସଠିକ୍ ଆରମ୍ଭ
3. ଅନର୍ଗଳତାର ଅଭାବ
4. ଅତ୍ୟାବଶ୍ୟକ ଧାରଣାଗୁଡ଼ିକୁ ସମୀକୃତ କରିବା

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 144 Question Id : 3922663744 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This is not a process skill

1. Observation
2. Narration
3. Classification
4. Measuring

ଏହା ଏକ ପ୍ରକ୍ରିୟା ଦକ୍ଷତା ନୁହେଁ

1. ପର୍ଯ୍ୟବେକ୍ଷଣ
2. ବର୍ଣ୍ଣନା
3. ବର୍ଗୀକରଣ
4. ମାପନ କରିବା

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 145 Question Id : 3922663745 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Department of Science and Technology, Government of India  
was established in the year

ଭାରତ ସରକାରଙ୍କ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟା ବିଭାଗ ସ୍ଥାପନ ହୋଇଥିବା ବର୍ଷ

1. 1970
2. 1971
3. 1985
4. 1990

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 146 Question Id : 3922663746 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Points to be kept in mind while developing Annual plan are

- a. Working days in the academic year
  - b. days required for examinations
  - c. steps followed in period plan
  - d. details of top scorer in last year
- ବାର୍ଷିକ ଯୋଜନା ପ୍ରସ୍ତୁତ କରିବା ସମୟରେ ଧ୍ୟାନ ରଖିବା ଅଂଶମାନ

- a. ଶିକ୍ଷାବର୍ଷରେ କାର୍ଯ୍ୟ ଦିବସ
- b. ପରୀକ୍ଷା ପାଇଁ ଆବଶ୍ୟକ ଦିନ
- c. ପିରିୟଡ ପ୍ଲାନରେ ଅନୁସରଣ କରାଯାଇଥିବା ପଦକ୍ଷେପ
- d. ଗତ ବର୍ଷରେ ଅଧିକ ମାର୍କ ପାଇଥିବା ଶିକ୍ଷାର୍ଥୀଙ୍କ ବିବରଣୀ

- 1. a, b, c
- 2. b, c, d
- 3. a, b, d
- 4. a, b

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 147 Question Id : 3922663747 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct answer based on given statements

Statement 1: Extrinsic programming was developed by B.F. Skinner

Statement 2: Intrinsic programming was developed by Norman. A. Crowder

1. Only Statement - 1 is correct
2. Only Statement - 2 is correct
3. both are correct
4. both are incorrect

ପ୍ରଦତ୍ତ ଉକ୍ତି ଆଧାରରେ ସଠିକ୍ ଉତ୍ତର ଚିହ୍ନଟ କର

ଉକ୍ତି 1: ବାହ୍ୟ କାର୍ଯ୍ୟକ୍ରମକୁ ବି.ଏଫ. ସ୍କିନର ବିକଶିତ କରିଥିଲେ

ଉକ୍ତି 2: ଆଭ୍ୟନ୍ତରୀଣ କାର୍ଯ୍ୟକ୍ରମକୁ ନର୍ମାନ୍ ଏ. କ୍ରାଉଡାର ବିକଶିତ କରିଥିଲେ

1. କେବଳ ଉକ୍ତି - 1 ସଠିକ୍ ଅଟେ
2. କେବଳ ଉକ୍ତି - 2 ସଠିକ୍ ଅଟେ
3. ଉଭୟ ଠିକ୍ ଅଟେ
4. ଉଭୟ ଭୁଲ୍ ଅଟେ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 148 Question Id : 3922663748 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Author of 'Towards a Theory of Instruction'

1. Gilford
2. Thorndike
3. Pavlov
4. Bruner

'ତୁଝାଉଁସ୍ ଏ ଥିଓରୀ ଅଫ୍ ଇନ୍‌ଷ୍ଟ୍ରକ୍ସନ୍' ପୁସ୍ତକର ଲେଖକ

1. ଗିଲଫୋର୍ଡ
2. ଥର୍ଣ୍ଣଡାଇକ୍
3. ପାଭଲୋଭ
4. ବର୍ଣ୍ଣର୍

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 149 Question Id : 3922663749 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the mismatched pair

1. Wood's Despatch - 1854
2. Macaulay report - 1835
3. Charter act - 1954
4. Taradevi report - 1956

ଅମେଳ ଯୋଡ଼ି ଚିହ୍ନଟ କର

1. ୱୁଡ଼ ଡିସ୍ପାଚ୍ - 1854
2. ମେକାଲେ ରିପୋର୍ଟ - 1835
3. ଚାର୍ଟର ଆକ୍ଟ - 1954
4. ତାରାଦେବୀ ରିପୋର୍ଟ - 1956

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3

4. ✖ 4

Question Number : 150 Question Id : 3922663750 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Percentage of easy, moderate, difficult level questions in an ideal question paper respectively

ଆଦର୍ଶ ପ୍ରଶ୍ନପତ୍ରରେ ଯଥାକ୍ରମେ ସହଜ, ସାଧାରଣ, କଠିନ ସ୍ତର ପ୍ରଶ୍ନର ପ୍ରତିଶତ

1. 25%, 50%, 25%
2. 10%, 80%, 10%
3. 25%, 65%, 10%
4. 50%, 25%, 25%

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 151 Question Id : 3922663751 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Object form of compliment

1. Appreciation
2. Gift
3. Claps
4. Marks

ପ୍ରଶଂସା ସୂଚକର ବସ୍ତୁ ରୂପ

1. ପ୍ରଶଂସା
2. ଉପହାର
3. ତାଳି ମାରିବା
4. ମାର୍କ୍ସ

Options :

1. ✖ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 152 Question Id : 3922663752 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the mismatched pair

1. Abdul Kalam – aerodynamics
2. Subrahmanyam Chandrasekhar – Black hole
3. C.V. Raman – Pulverizer method
4. Einstien – Photo electrons

ଅମେଳ ଯୋଡ଼ି ଚିହ୍ନଟ କର

1. ଅବଦୁଲ କଲାମ - ଏରୋ ଡାଇନାମିକ୍ସ
2. ସୁବ୍ରହମ୍ୟାମ ଚନ୍ଦ୍ରଶେଖର - ବ୍ଲାକ୍ ହୋଲ୍
3. ସି.ଭି.ରମଣ - ପାଲ୍‌ଝାରାଇଜର ପଦ୍ଧତି
4. ଆଇନ୍‌ଷ୍ଟାଇନ୍ - ଫୋଟୋ ଇଲେକ୍ଟ୍ରନ୍

Options :

1. ✗ 1

2. ✗ 2

3. ✓ 3

4. ✗ 4

Question Number : 153 Question Id : 3922663753 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

“Training should be given for applied sciences in technical schools, where as pure sciences in academic schools” is stated by

1. Sargent commission
2. Kothari commission
3. Mudaliar commission
4. Eswar bhai patel committee

‘ବୈଷୟିକ ବିଦ୍ୟାଳୟଗୁଡ଼ିକରେ ପ୍ରାୟୋଗିକ ବିଜ୍ଞାନକୁ, ଶୈକ୍ଷିକ ବିଦ୍ୟାଳୟଗୁଡ଼ିକରେ ମୌଳିକ ବିଜ୍ଞାନ ରୂପେ ଶିକ୍ଷଣ ଦିଆଯିବା ଉଚିତ’ ବୋଲି ସୂଚାଇଥିଲେ

1. ସର୍ଜେଣ୍ଟ କମିଶନ
2. କୋଠାରି କମିଶନ
3. ମୁଦାଲିଆର କମିଶନ
4. ଇଶ୍ଵର ଭାଇ ପଟେଲ କମିଟି

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 154 Question Id : 3922663754 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

'Principia Mathematica' was written by

1. Albert Einstien
2. Isaac Newton
3. Kepler
4. Fravenburg

'ପ୍ରିନ୍ସିପିଆ ମାଥେମାଟିକା' ଲେଖିଥିଲେ

1. ଅଲବର୍ଟ ଆଇଷ୍ଟାଇନ୍
2. ଆଇଜାକ୍ ନ୍ୟୁଟନ୍
3. କେପ୍ଲର୍
4. ଫ୍ରାଭେନ୍ବର୍ଗ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 155 Question Id : 3922663755 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The invoice of lab equipment delivered by company shall be entered in

1. Accession register
2. Stock register
3. Contingent stock register
4. Furniture register

କମ୍ପାନୀ ଦ୍ଵାରା ପ୍ରଦାନ କରାଯାଇଥିବା ଲ୍ୟାବ୍ ଉପକରଣର ତାଲିକା ଏଥିରେ ପ୍ରବେଶ କରାଯିବ

1. ପ୍ରବେଶିକା ରେଜିଷ୍ଟର୍
2. ଷ୍ଟକ୍ ରେଜିଷ୍ଟର୍
3. କଣ୍ଟିଙ୍ଗେଣ୍ଟ ଷ୍ଟକ୍ ରେଜିଷ୍ଟର୍
4. ଆସବାବପତ୍ର ରେଜିଷ୍ଟର୍

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 156 Question Id : 3922663756 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

According to UNESCO planning mission experts recommendation, the number of students to work at a time in the laboratory is

ୟୁନେସ୍କୋ ଯୋଜନା ମିଶନ ବିଶେଷଜ୍ଞଙ୍କ ସୁପାରିଶ ଅନୁଯାୟୀ, ବିଜ୍ଞାନାଗାରରେ ଏକ ସମୟରେ ଏତିକି ଜଣ ଶିଷ୍ୟାର୍ଥୀ କାମ କରିବା ପାଇଁ ଯଥେଷ୍ଟ ହେବ ।

1. 20

2. 35

3. 30

4. 42

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 157 Question Id : 3922663757 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

“Goals are long term and are assigned for ultimate purpose”  
was stated by

1. J.M. Munshi
2. R.H. Dawe
3. J.K. Sood
4. Kelly

"ଗନ୍ତବ୍ୟ ଗୁଡ଼ିକ ଦୀର୍ଘମିଆଦୀ ଏବଂ ଚୂଡ଼ାନ୍ତ ପ୍ରୟୋଜନ ପାଇଁ ନିର୍ଦ୍ଧାରିତ"- ବୋଲି  
କହିଥିଲେ

1. ଜେ.ଏମ୍. ମୁନ୍‌ସି
2. ଆର୍.ଏଚ୍. ଦାଓେ
3. ଜେ.କେ.ସୁଦ୍
4. କେଲି

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 158 Question Id : 3922663758 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct statement regarding ‘science a process approach’

1. priority must be given to content
2. memorise principles and definitions
3. train in the skills like observation, measurements
4. develop language competencies

'ବିଜ୍ଞାନ ଏକ ପ୍ରକ୍ରିୟା ଆଭିମୁଖ୍ୟ' ସମ୍ବନ୍ଧରେ ସଠିକ୍ ଉକ୍ତି ଚିହ୍ନଟ କର

1. ବିଷୟବସ୍ତୁକୁ ଅଧିକ ଗୁରୁତ୍ବ ଦେବା
2. ନିୟମ ଓ ସଂଜ୍ଞାଗୁଡ଼ିକୁ ସ୍ମରଣ କରିବା
3. ପର୍ଯ୍ୟବେକ୍ଷଣ, ମାପନ ଭଳି କୌଶଳରେ ପ୍ରଶିକ୍ଷଣ ଦେବା
4. ଭାଷା ଦକ୍ଷତା ବିକାଶ କରିବା

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 159 Question Id : 3922663759 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

‘Lesson plan is a plan of action’ stated by

1. L.B. Stands
2. Preston
3. R.L. Stevenson
4. J.C. Maxwell

‘ପାଠ୍ୟ ଯୋଜନା ହେଉଛି ଏକ କାର୍ଯ୍ୟକାରୀ ଯୋଜନା’ ବୋଲି କହିଛନ୍ତି

1. ଏଲ୍.ବି. ଷ୍ଟାଣ୍ଡସ୍
2. ପ୍ରେଷ୍ଟନ୍
3. ଆର୍.ଏଲ୍. ଷ୍ଟିଭେନ୍ସନ୍
4. ଜେ.ସି. ମ୍ୟାକ୍ସୱେଲ୍

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 160 Question Id : 3922663760 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

While teaching Science, the approach adopted by Ekalavya Science Teaching Project is

1. Science campaign approach
2. Environment based discovery approach
3. mentor approach
4. product approach

ବିଜ୍ଞାନ ଶିକ୍ଷାଦାନ ସମୟରେ ଏକଲବ୍ୟ ସାଉନ୍ଦର୍ଯ୍ୟ ଚିତିତ୍ ପ୍ରଭେଦ ଅନୁସରଣ କରୁଥିବା ଆଭିମୁଖ୍ୟ

1. ବିଜ୍ଞାନ ଅଭିଯାନ ଆଭିମୁଖ୍ୟ
2. ପରିବେଶ ଭିତ୍ତିକ ଆବିଷ୍କାର ଆଭିମୁଖ୍ୟ
3. ପରାମର୍ଶଦାତା ଆଭିମୁଖ୍ୟ
4. ଉତ୍ପତ୍ତି ଆଭିମୁଖ୍ୟ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4