

# 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.

|                                  |                                          |
|----------------------------------|------------------------------------------|
| <b>Question Paper Name :</b>     | SA NL Maths Oriya 12th June 2025 Shift 2 |
| <b>Subject Name :</b>            | SA NL Maths Oriya                        |
| <b>Creation Date :</b>           | 2025-06-12 18:51:05                      |
| <b>Duration :</b>                | 150                                      |
| <b>Total Marks :</b>             | 80                                       |
| <b>Display Marks:</b>            | No                                       |
| <b>Change Font Color :</b>       | No                                       |
| <b>Change Background Color :</b> | No                                       |
| <b>Change Theme :</b>            | No                                       |
| <b>Help Button :</b>             | No                                       |
| <b>Show Reports :</b>            | No                                       |
| <b>Show Progress Bar :</b>       | No                                       |

## SA NL Maths Oriya

|                                 |          |
|---------------------------------|----------|
| <b>Group Number :</b>           | 1        |
| <b>Group Id :</b>               | 39226650 |
| <b>Group Maximum Duration :</b> | 0        |
| <b>Group Minimum Duration :</b> | 150      |
| <b>Show Attended Group? :</b>   | No       |
| <b>Edit Attended Group? :</b>   | No       |
| <b>Break time :</b>             | 0        |
| <b>Group Marks :</b>            | 80       |

## Section 1

|                                              |           |
|----------------------------------------------|-----------|
| <b>Section Id :</b>                          | 392266251 |
| <b>Section Number :</b>                      | 1         |
| <b>Section type :</b>                        | Online    |
| <b>Mandatory or Optional :</b>               | Mandatory |
| <b>Number of Questions :</b>                 | 20        |
| <b>Number of Questions to be attempted :</b> | 20        |
| <b>Section Marks :</b>                       | 10        |
| <b>Maximum Instruction Time :</b>            | 0         |
| <b>Sub-Section Number :</b>                  | 1         |
| <b>Sub-Section Id :</b>                      | 392266251 |

Question Shuffling Allowed :

Yes

Question Number : 1 Question Id : 3922668041 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Chinese Traveller, Huen Tsang visited India during the reign of this king

1. Harshavardhana
2. Ashoka
3. Kanishka
4. Satavahana

ଏହି ରାଜାଙ୍କ ଶାସନ କାଳରେ ଚୀନ୍ ଯାତ୍ରୀ ହୁଏନ୍ ସାଙ୍ଗ ଭାରତ ପରିଦର୍ଶନ କରିଥିଲେ-

1. ହର୍ଷବର୍ଦ୍ଧନ
2. ଅଶୋକ
3. କନିଷ୍କ
4. ସାତବାହନ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 2 Question Id : 3922668042 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the Mismatched pair

1. Viswanadha Satyanarayana – Srimadh Ramayana Kalpavrukshamu
2. Nanduri Subba Rao – Yenki song
3. Srirangam Sreenivasa Rao – Firadausi – A Rebel
4. Gurram Jashua - Kandiseekudu

ଭୁଲ ଯୋଡ଼ିଟିକୁ ଚିହ୍ନଟ କର

1. ବିଶ୍ଵନାଥ ସତ୍ୟନାରାୟଣ – ଶ୍ରୀମଦ୍ ରାମାୟଣ କଳ୍ପବୃକ୍ଷମୁ
2. ନନ୍ଦୁରୀ ସୁବ୍ବା ରାଓ – ଏଙ୍କି ଗୀତ
3. ଶ୍ରୀରାଜାମା ଶ୍ରୀନୀବାସା ରାଓ – ଫିରାଦାଉସି – ଜଣେ ବିଦ୍ରୋହୀ
4. ଗୁର୍ରାମ ଜସୁଆ – କାନ୍ଦିଶିକ୍ଷୁଡୁ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 3 Question Id : 3922668043 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Andhra Kesari titled leader to oppose lathi charge related to Simon Commission in Madras was

1. Tanneti Viswanatham
2. Tanguturi Prakasam Panthulu
3. Rajagopalachari
4. Lala Lajpati Roy

ମାଡ୍ରାସରେ ସାଇମନ କମିଶନଙ୍କ ସହ ଜଡ଼ିତ ଲାଠିଚାର୍ଜକୁ ବିରୋଧ କରିଥିବା ଆନ୍ଧ୍ର କେଶରୀ ଉପାଧ୍ୟକ୍ଷ ନେତା

1. ତେନ୍ନେଟି ବିଶ୍ୱନାଥମ୍
2. ଟାଙ୍ଗୁତୁରି ପ୍ରକାଶମ୍ ପାଣ୍ଡୁଲୁ
3. ରାଜଗୋପାଳଚାରୀ
4. ଲାଲା ଲଜପତି ରାୟ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 4 Question Id : 3922668044 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Chatrapati Shivaji fought with this king's army

1. Akbar
2. Humayun
3. Mohammad Bin Tughlaq
4. Aurangzeb

ଛତ୍ରପତି ଶିବାଜୀ ଏହି ରାଜାଙ୍କ ସେନା ସହ ଯୁଦ୍ଧ କରିଥିଲେ

1. ଆକବର
2. ହୁମାୟୁନ୍
3. ମହମ୍ମଦ ବିନ୍ ତୁଗ୍ଲାକ୍
4. ଔରାଙ୍ଗଜେବ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 5 Question Id : 3922668045 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The Supreme Commander of the Armed forces of India is

1. The Prime Minister
2. The President
3. The Vice President
4. The Defense Minister

ଭାରତର ସର୍ବାଧିକାରୀ ବାହିନୀର ସର୍ବୋଚ୍ଚ କମାଣ୍ଡର୍ ହେଉଛନ୍ତି

1. ପ୍ରଧାନମନ୍ତ୍ରୀ
2. ରାଷ୍ଟ୍ରପତି
3. ଉପରାଷ୍ଟ୍ରପତି
4. ପ୍ରତିରକ୍ଷା ମନ୍ତ୍ରୀ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 6 Question Id : 3922668046 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The Present Vice President of NITI Aayog is

1. Suman Bery
2. Sindhusree Khullar
3. Amitabh Kant
4. I.G. Patel

ନୀତି ଆୟୋଗର ବର୍ତ୍ତମାନର ଉପାଧ୍ୟକ୍ଷ ହେଉଛନ୍ତି

1. ସୁମନ ବେରି
2. ସିନ୍ଦୁଶ୍ରୀ ଖୁଲ୍ଲାର
3. ଅମିତାଭ କାନ୍ତ
4. ଆଇ.ଜି. ପଟେଲ୍

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 7 Question Id : 3922668047 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Identify the Mismatched pair related to states and their folk dances

1. Maharashtra - Tamasha
2. Andhra Pradesh - Dhimsa
3. Odisha - Chou
4. Gujarat – Chadya Dandanatha

ରାଜ୍ୟ ଏବଂ ସେଗୁଡ଼ିକର ଲୋକନୃତ୍ୟ ସମ୍ବନ୍ଧୀୟ ଭୁଲ ଯୋଡ଼ିଟିକୁ ଚିହ୍ନଟ କର

1. ମହାରାଷ୍ଟ୍ର - ତମାସା
2. ଆନ୍ଧ୍ରପ୍ରଦେଶ - ଧିଂସା
3. ଓଡ଼ିଶା - ଛଉ
4. ଗୁଜରାଟ – ଚାଡ଼୍ୟା ଦାନ୍ଦାନାଥା

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 8 Question Id : 3922668048 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

'Give me blood, and I shall give you freedom', these words are said by

1. Jawaharlal Nehru
2. Sardar Patel
3. Subhash Chandra Bose
4. Bhagat Singh

'ମୋତେ ରକ୍ତ ଦିଅ, ମୁଁ ତୁମକୁ ସ୍ୱାଧୀନତା ଦେବି' ଏହା କହିଥିଲେ

1. ଜବାହରଲାଲ ନେହେରୁ
2. ସର୍ଦ୍ଦାର ପଟେଲ
3. ସୁଭାଷ ଚନ୍ଦ୍ର ବୋଷ
4. ଭଗତ ସିଂ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 9 Question Id : 3922668049 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The purpose of 'Pradhan Mantri - Jan-Dhan Yojana' is to

1. Provide housing facility to all families
2. Bring all the families of both urban and rural area into the purview of banking
3. Provide gas connections to all the poor
4. Provide financial assistance to the farmers

'ପ୍ରଧାନମନ୍ତ୍ରୀ - ଜନ-ଧନ ଯୋଜନା'ର ଉଦ୍ଦେଶ୍ୟ

1. ସମସ୍ତ ପରିବାରକୁ ଆବାସ ସୁବିଧା ଯୋଗାଇବା
2. ଉଭୟ ସହରାଞ୍ଚଳ ଓ ଗ୍ରାମାଞ୍ଚଳର ସମସ୍ତ ପରିବାରକୁ ବ୍ୟାଙ୍କିଙ୍ଗ୍ ପରିସରକୁ ଆଣିବା
3. ସମସ୍ତ ଗରିବଙ୍କୁ ଗ୍ୟାସ୍ କନେକ୍ସନ୍ ଯୋଗାଇବା
4. କୃଷକମାନଙ୍କୁ ଆର୍ଥିକ ସହାୟତା ପ୍ରଦାନ କରିବା

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 10 Question Id : 3922668050 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the mismatched pair

1. 12<sup>th</sup> January – National Youth Day
2. 24<sup>th</sup> January – National Girl Child Day
3. 8<sup>th</sup> March – UN Day for Women's Rights & International peace
4. 28<sup>th</sup> February – National Physics Day

ଭୁଲ ଯୋଡ଼ିଟିକୁ ଚିହ୍ନଟ କର

1. ଜାନୁଆରୀ 12 – ଜାତୀୟ ଯୁବ ଦିବସ
2. ଜାନୁଆରୀ 24 – ଜାତୀୟ ବାଳିକା ଦିବସ
3. ମାର୍ଚ୍ଚ 8 – ମହିଳାଙ୍କ ଅଧିକାର ଏବଂ ଅନ୍ତର୍ଜାତୀୟ ଶାନ୍ତି ପାଇଁ UN ଦିବସ
4. ଫେବୃଆରୀ 28 - ଜାତୀୟ ଭୌତିକ ବିଜ୍ଞାନ ଦିବସ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 11 Question Id : 3922668051 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The language which is called as 'The Italian of the East' is

1. Hindi
2. Sanskrit
3. Tamil
4. Telugu

'ଇଟାଲିୟନ୍ ଅଫ୍ ଦି ୱଷ୍ଟ' ବୋଲି ଏହି ଭାଷାକୁ କୁହାଯାଏ

1. ହିନ୍ଦୀ
2. ସଂସ୍କୃତ
3. ତାମିଲ
4. ତେଲୁଗୁ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 12 Question Id : 3922668052 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The author of the book 'Unstable Earth' is

1. J.A. Steers
2. Gillbirt
3. Pascal
4. Delis

'ଅନ୍ ଷ୍ଟେବଲ୍ ଏର୍ଥ(ଅସ୍ଥିର ପୃଥିବୀ)' ପୁସ୍ତକର ଲେଖକ ହେଉଛନ୍ତି

1. ଜେ.ଏ. ଷ୍ଟିର୍ସ
2. ଗିଲ୍ବର୍ଟ
3. ପାସ୍କାଲ୍
4. ଦେଲିସ୍

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 13 Question Id : 3922668053 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The film 'The Tashkent Files' is based on the mysterious death of

- 1. Lal Bahadur Shastri
- 2. Shyama Prasad Mukherjee
- 3. Homi J. Bhabha
- 4. Subhash Chandra Bose

'ଦି ଡାସ୍କେଣ୍ଟ ଫାଇଲ୍ସ' ଏହାଙ୍କ ରହସ୍ୟମୟ ମୃତ୍ୟୁ ଉପରେ ଆଧାରିତ ଫିଲ୍ମ

- 1. ଲାଲ ବାହାଦୁର ଶାସ୍ତ୍ରୀ
- 2. ଶ୍ୟାମା ପ୍ରସାଦ ମୁଖାର୍ଜୀ
- 3. ହୋମି ଜେ. ଭାଭା
- 4. ସୁଭାଷ ଚନ୍ଦ୍ର ବୋଷ

Options :

- 1. ✓ 1
- 2. ✗ 2
- 3. ✗ 3
- 4. ✗ 4

Question Number : 14 Question Id : 3922668054 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

This is used for artificial rains

1. Magnalia
  2. Silver Iodide
  3. Calcium Phosphate
  4. Hydrogen Peroxide
- ଏହା କୃତ୍ରିମ ବର୍ଷା ପାଇଁ ବ୍ୟବହୃତ ହୁଏ

1. ମାଗ୍ନାଲିୟା
2. ସିଲ୍ଭର୍ ଆୟୋଡାଇଡ୍
3. କ୍ୟାଲ୍‌ସିୟମ୍ ଫସ୍ଫେଟ୍
4. ହାଇଡ୍ରୋଜେନ୍ ପେରାକ୍ସାଇଡ୍

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 15 Question Id : 3922668055 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The name of the Indonesian National Airlines is

1. Tiger Indonesia
2. Garuda Indonesia
3. Elephant Indonesia
4. Cheetah Indonesia

ଇଣ୍ଡୋନେସିଆନ୍ ନ୍ୟାସନାଲ୍ ଏୟାର ଲାଇନ୍ସର ନାମ ହେଉଛି

1. ଟାଇଗର ଇଣ୍ଡୋନେସିଆ
2. ଗରୁଡ଼ ଇଣ୍ଡୋନେସିଆ
3. ଏଲିଫେଣ୍ଟ ଇଣ୍ଡୋନେସିଆ
4. ଚିତା ଇଣ୍ଡୋନେସିଆ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 16 Question Id : 3922668056 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Identify the mismatched pair

1. Dollar - Barbados
2. Rouble - Belarus
3. Won - Japan
4. Dinar - Algeria

ଭୁଲ ଯୋଡ଼ିଟିକୁ ଚିହ୍ନଟ କର

1. ଡଲାର – ବାର୍ବାଡୋସ୍
2. ରୁବୁଲ୍ – ବେଲାରସ୍
3. ୱନ୍ – ଜାପାନ
4. ଦିନାର – ଆଲଜେରିଆ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 17 Question Id : 3922668057 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

After March 2024, the eligibility age for senior citizen to vote through postal ballot is

1. 70 years
2. 75 years
3. 80 years
4. 85 years

2024 ମାର୍ଚ୍ଚ ପରେ ବରିଷ୍ଠ ନାଗରିକଙ୍କ ପାଇଁ ପୋଷ୍ଟାଲ ବ୍ୟାଲେଟ୍ ଜରିଆରେ ଭୋଟ ଦେବା ପାଇଁ ଧାର୍ଯ୍ୟ କରାଯାଇଥିବା ଯୋଗ୍ୟତା ବୟସ

1. 70 ବର୍ଷ
2. 75 ବର୍ଷ
3. 80 ବର୍ଷ
4. 85 ବର୍ଷ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 18 Question Id : 3922668058 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Dadasaheb Phalke Lifetime Achievement Award for 2022 is awarded to

1. Mithun Chakravarthy
2. Aiswarya Roy
3. Chiranjeevi
4. Hemamalini

ଦାଦା ସାହେବ ଫାଲ୍‌କେ ଲାଇଫ୍ ଟାଇମ୍ ଆଚିଭ୍‌ମେଣ୍ଟ ଆୱାର୍ଡ – 2022, ଏହାକୁ ପ୍ରଦାନ କରାଯାଇଛି

1. ମିଥୁନ ଚକ୍ରବର୍ତ୍ତୀ
2. ଆଇଶ୍ୱର ରାୟ
3. ଚିରଞ୍ଜୀବି
4. ହେମାମାଲିନି

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 19 Question Id : 3922668059 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The Central Government has announced this pension scheme for employees from April 1, 2025

2025 ଏପ୍ରିଲ ପହିଲାରୁ କେନ୍ଦ୍ର ସରକାର କର୍ମଚାରୀଙ୍କ ପାଇଁ ଏହି ପେନସନ୍ ସ୍କିମ୍ ଘୋଷଣା କରିଛନ୍ତି

1. National Pension Scheme (ଜାତୀୟ ଭତ୍ତା ଯୋଜନା)
2. Old Pension Scheme (ପୁରୁଣା ଭତ୍ତା ଯୋଜନା)
3. New Pension Scheme (ନୂତନ ଭତ୍ତା ଯୋଜନା)
4. Unified Pension Scheme (ଏକୀଭୂତ ଭତ୍ତା ଯୋଜନା)

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 20 Question Id : 3922668060 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

33<sup>rd</sup> Summer Olympics 2024 was held in

1. Los Angeles (America)
2. London (Great Britain)
3. Paris (France)
4. Shanghai (China)

33ତମ ଗ୍ରୀଷ୍ମକାଳୀନ ଅଲିମ୍ପିକ୍ସ 2024 ଅନୁଷ୍ଠିତ ହୋଇଥିବା ସ୍ଥାନ

1. ଲସ୍ ଆଞ୍ଜେଲସ୍ (ଆମେରିକା)
2. ଲଣ୍ଡନ (ଗ୍ରେଟ୍ ବ୍ରିଟେନ୍)
3. ପ୍ୟାରିସ୍ (ଫ୍ରାନ୍ସ)
4. ସାଂଘାଈ (ଚାଇନା)

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

## Section 2

|                                       |           |
|---------------------------------------|-----------|
| Section Id :                          | 392266252 |
| 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 :                      | 392266252 |
| Question Shuffling Allowed :          | Yes       |

Question Number : 21 Question Id : 3922668061 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

“English language would contribute to the revival of India, just as Greek and Latin contributed to the revival of England”, said by

1. Elphinstone
2. Macaulay
3. Sadler Commission
4. Sargent Committee

‘ଇଂଲଣ୍ଡର ପୁନରୁଦ୍ଧାର ପାଇଁ ଗ୍ରୀକ୍ ଓ ଲାଟିନ୍ ଭାଷାର ଅବଦାନ ଭଳି, ଭାରତର ପୁନରୁଦ୍ଧାର ପାଇଁ ଇଂରାଜୀ ଭାଷା ସହାୟକ ହେବ’ ବୋଲି ଏହା କହିଥିଲେ

1. ଏଲ୍‌ଫିନ୍‌ଷ୍ଟନ୍
2. ମେକାଲେ
3. ସାଡ୍‌ଲର୍ କମିଶନ
4. ସାର୍ଜେଣ୍ଟ କମିଟି

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 22 Question Id : 3922668062 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

'The authorities audit report record' belongs to this section in the school registers

1. Correspondence Register
2. General Register
3. Academic Register
4. Supervision and inspection Register

ସ୍କୁଲ ରେଜିଷ୍ଟରରେ 'କର୍ତ୍ତୃପକ୍ଷ ଅଡିଟ୍ ରିପୋର୍ଟ ରେକର୍ଡ' ଏହି ବିଭାଗର ଅନ୍ତର୍ଭୁକ୍ତ

1. ପଦ୍ମବିନିମୟ ରେଜିଷ୍ଟର
2. ସାଧାରଣ ରେଜିଷ୍ଟର
3. ଏକାଡେମିକ ରେଜିଷ୍ଟର
4. ତଦାରଖ ଏବଂ ଯାଞ୍ଚ ରେଜିଷ୍ଟର

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 23 Question Id : 3922668063 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

This Article of the Indian constitution deals with the 'education development of women'

ଭାରତୀୟ ସମ୍ବିଧାନର ଏହି ଧାରା 'ମହିଳାଙ୍କ ଶିକ୍ଷା ବିକାଶ' ସମ୍ବନ୍ଧୀୟ

1. 15, 16
2. 28, 29
3. 19
4. 21

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 24 Question Id : 3922668064 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

NCLP school are managed by

1. NGOs
2. Government Teachers
3. Corporate Companies
4. Various Industries

NCLP ବିଦ୍ୟାଳୟଗୁଡ଼ିକୁ ଏମାନେ ପରିଚାଳନା କରନ୍ତି

1. NGOs
2. ସରକାରୀ ଶିକ୍ଷକ
3. କର୍ପୋରେଟ୍ କମ୍ପାନୀ
4. ବିଭିନ୍ନ ଶିଳ୍ପ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 25 Question Id : 3922668065 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

According to NEP 2020, Anganwadi workers / teachers who has lower education qualification than 10+2 will be given the training for this time period

1. 6 months diploma course
2. 8 months diploma course
3. 1 year diploma course
4. 2 years diploma course

NEP 2020 ଅନୁଯାୟୀ, 10+2 ଅପେକ୍ଷା କମ୍ ଶିକ୍ଷାଗତ ଯୋଗ୍ୟତା ଥିବା ଅଙ୍ଗନବାଡ଼ି କର୍ମୀ/ଶିକ୍ଷିକାମାନଙ୍କୁ ଏହି ସମୟ ପାଇଁ ପ୍ରଶିକ୍ଷଣ ଦିଆଯିବ

1. 6 ମାସର ଡିପ୍ଲୋମା ପାଠ୍ୟକ୍ରମ
2. 8 ମାସର ଡିପ୍ଲୋମା ପାଠ୍ୟକ୍ରମ
3. 1 ବର୍ଷିଆ ଡିପ୍ଲୋମା ପାଠ୍ୟକ୍ରମ
4. 2 ବର୍ଷିଆ ଡିପ୍ଲୋମା ପାଠ୍ୟକ୍ରମ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 26 Question Id : 3922668066 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The word 'Ethos' is derived from

1. Latin
2. French
3. English
4. Greek

'Ethos' ନାମକ ପଦ ଏହି ଭାଷାରୁ ଉତ୍ପନ୍ନ

1. ଲାଟିନ୍ ଭାଷା
2. ଫ୍ରେଞ୍ଚ
3. ଇଂରାଜୀ
4. ଗ୍ରୀକ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 27 Question Id : 3922668067 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This is the best method to teach moral values, as per the recommendations of the Secondary Education Commission (1952-53) and 'National Curriculum Framework 2000'

1. Integrated approach
2. To teach value education as separate subject
3. Direct participation
4. Involving in various social activities

ମାଧ୍ୟମିକ ଶିକ୍ଷା କମିଶନ୍ (1952-53) ଏବଂ 'ଜାତୀୟ ପାଠ୍ୟକ୍ରମ ଢାଞ୍ଚା 2000'ର ସୁପାରିସ ଅନୁଯାୟୀ ନୈତିକ ମୂଲ୍ୟବୋଧ ଶିକ୍ଷା ପାଇଁ ଏହା ହେଉଛି ସର୍ବୋତ୍ତମ ପଦ୍ଧତି

1. ସମନ୍ୱିତ ଆଭିମୁଖ୍ୟ
2. ମୂଲ୍ୟବୋଧ ଶିକ୍ଷାକୁ ପୃଥକ ବିଷୟ ଭାବରେ ଶିକ୍ଷା ଦେବା
3. ପ୍ରତ୍ୟକ୍ଷ ଅଂଶଗ୍ରହଣ
4. ବିଭିନ୍ନ ସାମାଜିକ କାର୍ଯ୍ୟରେ ନିୟୋଜିତ କରିବା

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 28 Question Id : 3922668068 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

“Listening Carefully to the opinions of others” is this type of value

1. Democratic value
2. Social value
3. Permanent value
4. Spiritual value

"ଅନ୍ୟମାନଙ୍କ ମତାମତକୁ ଯତ୍ନ ସହ ଶୁଣିବା" ହେଉଛି ଏହି ପ୍ରକାରର ମୂଲ୍ୟବୋଧ

1. ଗଣତାନ୍ତ୍ରିକ ମୂଲ୍ୟବୋଧ
2. ସାମାଜିକ ମୂଲ୍ୟବୋଧ
3. ସ୍ଥାୟୀ ମୂଲ୍ୟବୋଧ
4. ଆଧ୍ୟାତ୍ମିକ ମୂଲ୍ୟବୋଧ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 29 Question Id : 3922668069 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Under this section of the Right to Information Act 2005, every citizen of India can request for information of his / her choice

1. Section 4 (1)
2. Section 6 (1)
3. Section 9 (1)
4. Section 2 (J)

ସୂଚନା ଅଧିକାର ଆଇନ - 2005ର ଏହି ଧାରା ଅନୁଯାୟୀ ଭାରତର ପ୍ରତ୍ୟେକ ନାଗରିକ ନିଜ ଇଚ୍ଛା ଅନୁସାରେ ସୂଚନା ପାଇଁ ଅନୁରୋଧ କରିପାରିବେ

1. ବିଭାଗ 4 (1)
2. ବିଭାଗ 6 (1)
3. ବିଭାଗ 9 (1)
4. ବିଭାଗ 2 (J)

**Options :**

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

**Question Number : 30 Question Id : 3922668070 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0**

Wrongly matched chapters and its components of NCF – 2005 is

1. Chapter 2 – Learning, knowledge
2. Chapter 3 – Perspective
3. Chapter 4 – School and Classroom Environment
4. Chapter 5 – Systemic Reforms

NCF – 2005ର ଅଧ୍ୟାୟ ଏବଂ ଏହାର ଉପାଦାନଗୁଡ଼ିକ ଭୁଲ ଭାବରେ ମେଳ ହୋଇଛି

1. ଅଧ୍ୟାୟ 2 – ଶିକ୍ଷଣ, ଜ୍ଞାନ
2. ଅଧ୍ୟାୟ 3 - ଦୃଷ୍ଟିକୋଣ
3. ଅଧ୍ୟାୟ 4 - ବିଦ୍ୟାଳୟ ଏବଂ ଶ୍ରେଣୀଗୃହ ପରିବେଶ
4. ଅଧ୍ୟାୟ 5 - ବ୍ୟବସ୍ଥାଗତ ସଂସ୍କରଣ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

### Section 3

|                                       |           |
|---------------------------------------|-----------|
| Section Id :                          | 392266253 |
| 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 :                      | 392266253 |
| Question Shuffling Allowed :          | Yes       |

Question Number : 31 Question Id : 3922668071 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The responses in Operant Conditioning are

1. Naturally emitted
2. elicited
3. unnatural
4. either naturally emitted or elicited

କ୍ରିୟା-ପ୍ରସ୍ତୁତ ପ୍ରସାମନରେ\_ ପ୍ରତିକ୍ରିୟା ଗୁଡିକ

1. ସ୍ୱାଭାବିକ ଉତ୍ତରଜନ
2. ପ୍ରକାଶିତ
3. ଅପ୍ରାକୃତିକ
4. ସ୍ୱାଭାବିକ ଉତ୍ତରଜନ କିମ୍ବା ପ୍ରକାଶିତ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 32 Question Id : 3922668072 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This step of memory process can be measured by this formula

$$\frac{\text{initial trails} - \text{relearning trails}}{\text{initial trails}} \times 100$$

ନିମ୍ନ ସୂତ୍ର ଅନୁଯାୟୀ ସ୍ମୃତି ପ୍ରକ୍ରିୟାରେ ଏହି ସୋପାନକୁ କଳନା କରାଯାଇପାରେ

$$\frac{\text{ପ୍ରାରମ୍ଭିକ ଚେଷ୍ଟା} - \text{ପୁନଃଶିକ୍ଷଣ ଚେଷ୍ଟା}}{\text{ପ୍ରାରମ୍ଭିକ ଚେଷ୍ଟା}} \times 100$$

1. 3
2. 5
3. 2
4. 1

Options :

1. ✗ 1
2. ✓ 2

3. 3

4. ✖ 4

Question Number : 33 Question Id : 3922668073 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Chronological age and mental age of a student are 12 years and 15 years respectively. As per I.Q. level classification he belongs to this category

1. Very superiors
2. Superiors
3. Gifted
4. Given data is insufficient

ଜଣେ ଶିକ୍ଷାର୍ଥୀଙ୍କର ଶାରୀରିକ ବୟସ ଏବଂ ମାନସିକ ବୟସ ଯଥାକ୍ରମେ 12 ବର୍ଷ ଏବଂ 15 ବର୍ଷ । ବୁଦ୍ଧିସାଙ୍କ (I.Q.) ସ୍ତରୀୟ ବର୍ଗୀକରଣ ଅନୁଯାୟୀ ସେ ଏହି ଶ୍ରେଣୀର ଅନ୍ତର୍ଭୁକ୍ତ

1. ଅତି ଶ୍ରେଷ୍ଠ ବୁଦ୍ଧି
2. ଶ୍ରେଷ୍ଠ ବୁଦ୍ଧି
3. ପ୍ରତିଭାଶାଳୀ
4. ଦିଆଯାଇଥିବା ତଥ୍ୟ ପର୍ଯ୍ୟାପ୍ତ ନୁହେଁ

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 34 Question Id : 3922668074 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

‘Self-smart’ people possess this type of intelligence

1. Visual spatial intelligence
2. Interpersonal intelligence
3. Intra personal intelligence
4. Naturalistic intelligence

‘ସ୍ୱୟଂ ଅଧ୍ୟାୟୀ’ ଲୋକମାନଙ୍କର ଏହି ପ୍ରକାର ବୁଦ୍ଧି ଥାଏ

1. ଦୃଶ୍ୟ ପ୍ରାଦେଶିକ
2. ଅନ୍ତରବ୍ୟକ୍ତିତ୍ୱ ବୁଦ୍ଧି
3. ଅନ୍ତଃବ୍ୟକ୍ତିତ୍ୱ ବୁଦ୍ଧି
4. ପ୍ରାକୃତିକ ବୁଦ୍ଧି

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 35 Question Id : 3922668075 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The stage when the learners regardless of their best efforts, temporarily seems to ‘stop’ making visible progress

1. Plateau stage
2. Initial spurt
3. Fluctuations stage
4. Spurt after plateau stage

ଶିକ୍ଷାର୍ଥୀମାନେ ଯେତେ ପ୍ରୟାସ କଲେ ମଧ୍ୟ, ଶିକ୍ଷଣ ବେଗ ଅସ୍ଥାୟୀ ଭାବରେ ବନ୍ଦ

ହେଲାଭଳି ଦେଖାଯିବା ଅବସ୍ଥା

1. ଅନଭିବୃଦ୍ଧି ଅବସ୍ଥା
2. ପ୍ରାରମ୍ଭିକ ଖୁର୍ଦ୍ଧା
3. ଚାଞ୍ଚଲ୍ୟ ଅବସ୍ଥା
4. ଅନଭିବୃଦ୍ଧି ପରେ ଖୁର୍ଦ୍ଧା ଅବସ୍ଥା

Options :

1. 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 36 Question Id : 3922668076 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A boy is believer of God. He thinks that God never forgives the sinner. Therefore he never did any sin. Here the motivation involved is

1. Extrinsic motivation
2. Intrinsic motivation
3. Achievement motivation
4. General motivation

ଜଣେ ବାଳକ ଭଗବାନଙ୍କୁ ବିଶ୍ୱାସ କରନ୍ତି । ସେ ଭାବନ୍ତି ଯେ ଭଗବାନ କେବେ ବି ପାପୀଙ୍କୁ କ୍ଷମା କରନ୍ତି ନାହିଁ । ତେଣୁ ସେ କେବେ କୌଣସି ପାପ କରିନଥିଲେ । ଏଠାରେ ସମ୍ପୃକ୍ତ ଅଭିପ୍ରେରଣ ହେଉଛି

1. ବାହ୍ୟ ଅଭିପ୍ରେରଣ
2. ଅନ୍ତଃ ଅଭିପ୍ରେରଣ
3. କୃତ୍ରି ଅଭିପ୍ରେରଣ
4. ସାଧାରଣ ଅଭିପ୍ରେରଣ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 37 Question Id : 3922668077 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

‘Understanding total learning situation’ happens in this learning

1. Insightful learning
2. Programmed learning
3. Operant conditioning
4. Classical conditioning

‘ଶିକ୍ଷଣ ସ୍ଥିତିକୁ ସମ୍ପୂର୍ଣ୍ଣ ବୁଝିବା’ ଏହି ଶିକ୍ଷଣରେ ହୋଇଥାଏ

1. ଅନ୍ତର୍ଦ୍ଧୃଷ୍ଟି ଶିକ୍ଷଣ
2. ଯୋଜନାବଦ୍ଧ ଶିକ୍ଷଣ
3. କ୍ରିୟା-ପ୍ରସ୍ତୁତ ପ୍ରସୀମନ
4. ଶାସ୍ତ୍ରୀୟ ପ୍ରସୀମନ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 38 Question Id : 3922668078 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A student failed in SSC examination. But he dreamed that he would be selected for IAS and became District Collector. This defense mechanism is

1. Rationalization
2. Fantasy
3. Displacement
4. Denial of truth

ଜଣେ ଶିକ୍ଷାର୍ଥୀ SSC ପରୀକ୍ଷାରେ ଫେଲ୍ ହୋଇଥିଲେ । କିନ୍ତୁ ସେ ସ୍ବପ୍ନ ଦେଖୁଥିଲେ ଯେ ସେ IAS ପାଇଁ ମନୋନୀତ ହୋଇ ଜିଲ୍ଲାପାଳ ହେବେ । ଏହି ମାନସିକ ଆତ୍ମରକ୍ଷା କୌଶଳଟି ହେଉଛି

1. ଯୌକ୍ତିକତା କରଣ
2. ଦିବାସ୍ବପ୍ନ
3. ସ୍ଥାନତ୍ରୁପ୍ତି
4. ସତ୍ୟକୁ ଅସ୍ବୀକାର କରିବା

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 39 Question Id : 3922668079 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Symptoms of poor mental health is

1. Adequate ability to make adjustments
2. Socially adjustable
3. Lives in his own world of imagination and fantasy
4. Always lives in the world of reality

ମାନସିକ ଅସୁସ୍ଥତାର ଲକ୍ଷଣ ହେଉଛି

1. ପର୍ଯ୍ୟାପ୍ତ ସମାଯୋଜନ ସାମର୍ଥ୍ୟ
2. ସାମାଜିକ ସମାଯୋଜନ
3. ସ୍ୱୀୟ କାଳ୍ପନିକ ଜଗତରେ ବିହାର କରି ଦିବା ସ୍ୱପ୍ନ ଦେଖିବା
4. ସର୍ବଦା ବାସ୍ତବ ଦୁନିଆରେ ରହିବା

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 40 Question Id : 3922668080 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

These methods are NOT useful to assess the personality of an individual

- a. Personality Inventory
- b. Minnesota Clerical Aptitude Test
- c. Bell's Adjustment Inventory
- d. Metropolitan Readiness Test

କଣେ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିତ୍ବର ଆକଳନ କରିବା ପାଇଁ ଏହି ପଦ୍ଧତିଗୁଡ଼ିକ ଉପଯୋଗୀ ନୁହେଁ

- a. ବ୍ୟକ୍ତିତ୍ବ ଶୋଧକା
- b. ମିନେସୋଟା କ୍ଲରକାଲ୍ ଆପ୍ଟିଚ୍ୟୁଡ୍ ଟେଷ୍ଟ
- c. ବେଲ୍ ଆଡ୍ଜଷ୍ଟମେଣ୍ଟ ଇନ୍ଭେଣ୍ଟରୀ
- d. ମେଟ୍ରୋପୋଲିଟିଆନ୍ ରେଡିନେସ୍ ଟେଷ୍ଟ

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

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

## Section 4

|                                       |           |
|---------------------------------------|-----------|
| Section Id :                          | 392266254 |
| 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 :                      | 392266254 |
| Question Shuffling Allowed :          | Yes       |

Question Number : 41 Question Id : 3922668081 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $x^2 - 1$  is a factor of  $ax^2 + bx - 5$  then  
 $ax^2 + bx - 5$  ର  $x^2 - 1$  ଏକ ଉତ୍ତୀର୍ଣ୍ଣ ଗୁଣକ

1.  $a=5, b=1$
2.  $a=-5, b=0$
3.  $a=5, b=0$
4.  $a=-5, b=1$

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 42 Question Id : 3922668082 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

$$(1.5x - 4y)(1.5x + 4y + 3) - 4.5x + 12y + 4y(4y) =$$

1.  $2.25x^2 + 9y^2$
2.  $2.25x^2 - 16y^2$
3.  $2.25x^2 + 16y^2$
4.  $2.25x^2$

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 43 Question Id : 3922668083 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A rational number is such that when you multiply it by  $\frac{5}{2}$  and

add  $\frac{2}{3}$  to the product you get  $\frac{-7}{12}$ . The number is

ତୁମେ ଏକ ପରିମେୟ ସଂଖ୍ୟାକୁ  $\frac{5}{2}$  ଦ୍ୱାରା ଗୁଣନ କରି, ଗୁଣଫଳକୁ  $\frac{2}{3}$  ସହ

ଯୋଗ କଲେ, ଯୋଗଫଳ  $\frac{-7}{12}$  ପାଇବ । ତେବେ ସେହି ସଂଖ୍ୟାଟି

1.  $\frac{-1}{2}$
2.  $\frac{1}{2}$
3.  $\frac{-1}{3}$
4.  $\frac{1}{3}$

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 44 Question Id : 3922668084 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

If  $\frac{2}{\sqrt{x}} + \frac{3}{\sqrt{y}} = 2$  and  $\frac{4}{\sqrt{x}} - \frac{9}{\sqrt{y}} = -1$  then  $\frac{x}{2} + \frac{y}{3} =$

$$\frac{2}{\sqrt{x}} + \frac{3}{\sqrt{y}} = 2 \quad \text{ଏବଂ} \quad \frac{4}{\sqrt{x}} - \frac{9}{\sqrt{y}} = -1 \quad \text{ତେଣୁ} \quad \frac{x}{2} + \frac{y}{3} =$$

1. 5
2. 6
3. 9
4. 13

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 45 Question Id : 3922668085 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $\alpha, \beta, \gamma$  are zeroes of  $x^3 + 3x^2 - x - 3$  then  $\alpha^2 + \beta^2 + \gamma^2 =$   
 $x^3 + 3x^2 - x - 3$  ର ଶୂନ୍ୟମୂଳଗୁଡ଼ିକ  $\alpha, \beta, \gamma$  ହେଲେ  $\alpha^2 + \beta^2 + \gamma^2 =$

1. 7
2. 8
3. 9
4. 11

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 46 Question Id : 3922668086 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $\frac{\sqrt{2}-\sqrt{3}}{\sqrt{2}+\sqrt{3}} + \frac{\sqrt{2}+\sqrt{3}}{\sqrt{2}-\sqrt{3}} = a$  and  $\frac{1}{5-2\sqrt{6}} + \frac{1}{5+2\sqrt{6}} = b$  then

$$\frac{\sqrt{2}-\sqrt{3}}{\sqrt{2}+\sqrt{3}} + \frac{\sqrt{2}+\sqrt{3}}{\sqrt{2}-\sqrt{3}} = a \quad \text{and} \quad \frac{1}{5-2\sqrt{6}} + \frac{1}{5+2\sqrt{6}} = b$$

1.  $a - b = 0$

2.  $a + b = 0$

3.  $a + \frac{1}{b} = 0$

4.  $\frac{1}{a} + \frac{1}{b} = 1$

**Options :**

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 47 Question Id : 3922668087 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

What is the range of the values of the constant K, if the equation  $x^2 + kx + 16 = 0$  has no real roots

$x^2 + kx + 16 = 0$  ସମୀକରଣର କୌଣସି ବାସ୍ତବ ମୂଳ ନ ଥିଲେ, ସ୍ଥିର ରାଶି K ମୂଲ୍ୟର ପରିସର

1.  $-5 < K < 5$
2.  $-2 < K < 2$
3.  $-8 < K < 8$
4.  $-16 < K < 16$

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 48 Question Id : 3922668088 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $x =$  sum of first 40 even natural numbers

$y =$  sum of first 40 odd natural numbers, then  $y - x =$

$x =$  ପ୍ରଥମ 40ଟି ଯୁଗ୍ମ ଗଣନ ସଂଖ୍ୟାର ମୋଟ

$y =$  ପ୍ରଥମ 40ଟି ଅଯୁଗ୍ମ ଗଣନ ସଂଖ୍ୟାର ମୋଟ ହେଲେ  $y - x =$

1.  $-40$
2.  $40$
3.  $-20$
4.  $20$

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 49 Question Id : 3922668089 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The largest binomial co-efficient in the expansion of  $(1+x)^{12}$  is

$(1+x)^{12}$  ବିସ୍ତାରଣରେ ବୃହତ୍ତମ ଦ୍ଵିପଦୀ ସହଗ

1. 924
2. 816
3. 792
4. 495

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 50 Question Id : 3922668090 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The domain of function  $y(x)$  defined by equation  $3^x + 3^y = 3$  is

$3^x + 3^y = 3$  ସମୀକରଣ ଦ୍ଵାରା ନିର୍ଣ୍ଣିତ ଫଳନ  $y(x)$  ର ପରିସର

1.  $[3, \infty)$
2.  $(-\infty, \infty)$
3.  $(-\infty, 1]$
4.  $(-\infty, 1)$

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 51 Question Id : 3922668091 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $A = \begin{bmatrix} 1 & 0 & 0 \\ 2 & 3 & 4 \\ 5 & -6 & x \end{bmatrix}$  and  $\det A = 45$  then  $x =$

$A = \begin{bmatrix} 1 & 0 & 0 \\ 2 & 3 & 4 \\ 5 & -6 & x \end{bmatrix}$  ଏବଂ  $\det A = 45$  ହେଲେ  $x =$

1. 27
2. 23
3. 9
4. 7

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 52 Question Id : 3922668092 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which of the following is **NOT TRUE**.

1. Mode is not effected by extreme values
2. Mean is influenced by the value of every Observation in the data
3. Median is uneffected by extreme values
4. Range of first 'n' whole numbers is 'n'

ନିମ୍ନରୁ କେଉଁଟି **ସତ୍ୟ ନୁହେଁ**

1. ଚରମ ମୂଲ୍ୟଗୁଡ଼ିକ ଦ୍ୱାରା ଗରିଷ୍ଠକ ପ୍ରଭାବିତ ହୁଏ ନାହିଁ
2. ଦତ୍ତାଂଶରେ ଥିବା ପ୍ରତ୍ୟେକ ପର୍ଯ୍ୟବେକ୍ଷଣର ମୂଲ୍ୟ ଦ୍ୱାରା ମାଧ୍ୟମାନ ପ୍ରଭାବିତ ହୋଇଥାଏ
3. ଚରମ ମୂଲ୍ୟଗୁଡ଼ିକ ଦ୍ୱାରା ମଧ୍ୟମା ପ୍ରଭାବିତ ହୁଏ ନାହିଁ
4. ପ୍ରଥମ 'n' ପୂର୍ଣ୍ଣ ସଂଖ୍ୟାର ପରିସର 'n'

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 53 Question Id : 3922668093 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

In first 10 overs of one day cricket match of 50 overs the run rate was only 4.4 what should be the run rate in the remaining overs to reach the target of 366 runs?

ଏକ 50 ଓଭର ଦିନିକିଆ କ୍ରିକେଟ୍ ମ୍ୟାଚ୍‌ର ପ୍ରଥମ 10 ଓଭର ପରେ ରନ୍ ହାର କେବଳ 4.4 ରହିଛି । 366 ରନ୍ ଲକ୍ଷ୍ୟ ପହଞ୍ଚିବା ପାଇଁ ଅବଶିଷ୍ଟ ଓଭରରେ କେତେ ରନ୍ ହାର ଆବଶ୍ୟକ ?

- 1. 8.05
- 2. 8.25
- 3. 7.5
- 4. 7.05

Options :

- 1. ✔ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 54 Question Id : 3922668094 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The mean of a, b, c, d and e is 32, if the mean of a, d and e is 28 then the mean of b and c is

a, b, c, d ଏବଂ e ର ହାରାହାରି 32, a, d ଏବଂ e ର ହାରାହାରି 28 ହେଲେ  
b ଏବଂ c ର ହାରାହାରି

1. 38
2. 36
3. 34
4. 32

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 55 Question Id : 3922668095 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The point of intersection of the less than type and of the more than type cumulative frequency of a grouped data is (15.5, 7.5) then median is

ଏକ ସମୂହବଦ୍ଧ ତଥ୍ୟର ଆରୋହଣ ଏବଂ ଅବରୋହଣ ସଞ୍ଚିତ ପୌନଃସ୍ଥାପନା ବିନ୍ଦୁ (15.5, 7.5) ହେଲେ ମଧ୍ୟମା

1. 7.5
2. 23
3. 8
4. 15.5

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 56 Question Id : 3922668096 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Mode of the following frequency distribution is

ନିମ୍ନ ଦିଆଯାଇଥିବା ଆବୃତ୍ତନ ସାଂଖ୍ୟିର ଗରିଷ୍ଠକ

| C.I | 0.00–0.04 | 0.04–0.08 | 0.08–0.12 | 0.12–0.16 | 0.16–0.20 |
|-----|-----------|-----------|-----------|-----------|-----------|
| f   | 4         | 9         | 4         | 7         | 3         |

1. 0.11
2. 0.03
3. 0.06
4. 0.09

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 57 Question Id : 3922668097 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If the variance of 0,1,2,3,.....9 is K, then the variance of 10,11,12,13,.....19 is

0,1,2,3 ..... 9 ର ବିଚ୍ଛୁତି K ହେଲେ 10,11,12,13,.... 19 ର ବିଚ୍ଛୁତି

1.  $K+10$
2.  $10K$
3.  $100K$
4.  $K$

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 58 Question Id : 3922668098 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Two dice which contain A,B,C,D,E and F on their faces are thrown simultaneously then the probability of getting two vowels on two dices.

ଦୁଇଟି ଲୁହୁଗୋଟି ଯାହାର ମୁଖରେ A,B,C,D,E ଏବଂ F ଚିହ୍ନଟ କରାଯାଇଛି, ଏକାଥରକେ ଗଡ଼ାଇଲେ ଦୁଇଟି ଲୁହୁଗୋଟିରେ ଦୁଇଟି ଇଂରାଜୀ ସ୍ଵରବର୍ଣ୍ଣ ଆସିବା ସମ୍ଭାବ୍ୟତା

1.  $\frac{1}{18}$
2.  $\frac{1}{2}$
3.  $\frac{5}{36}$
4.  $\frac{1}{9}$

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 59 Question Id : 3922668099 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A bag contains 10 yellow, 15 blue, 20 red and 25 green balls. A ball is picked out without looking into it. Probability of getting a ball that is neither yellow nor blue.

ଏକ ମୁଣିରେ 10ଟି ହଳଦିଆ, 15ଟି ନୀଳ, 20ଟି ଲାଲ ଏବଂ 25ଟି ସବୁଜ ବଲ୍ ରହିଛି । ମୁଣି ଭିତରକୁ ନ ଦେଖି ଅନିୟମିତ ଭାବେ ଗୋଟିଏ ବଲ୍ ବାହାର କରାଗଲା । ତାହା ହଳଦିଆ କିମ୍ବା ନୀଳ ହୋଇ ନ ଥିବା ସମ୍ଭାବ୍ୟତା

1.  $\frac{5}{14}$

2.  $\frac{1}{7}$

3.  $\frac{9}{14}$

4.  $\frac{3}{14}$

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 60 Question Id : 3922668100 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

From a pack of 52 playing deck of cards, jacks, queens and kings of red colour are removed. From the remaining cards. Probability of getting black king card is

52 ଟି ପତା ଥିବା ଏକ ତାସ୍ ମୁଠାରୁ ଲାଲ ରଙ୍ଗର ଗୋଲାମ, ରାଣୀ ଏବଂ ରାଜା ପତାଗୁଡ଼ିକୁ ବାହାର କରିଦିଆଗଲା । ଅବଶିଷ୍ଟ ପତାଗୁଡ଼ିକରୁ କଳା ରାଜା ପତା ପାଇବା ସମ୍ଭାବ୍ୟତା

1.  $\frac{1}{26}$

2.  $\frac{1}{46}$

3.  $\frac{3}{26}$

4.  $\frac{1}{23}$

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 61 Question Id : 3922668101 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

There are hundred cards which are numbered from 1 to 100.  
Find the sum of probability of getting a square number and  
probability of getting a cube number

1 ରୁ 100 ପର୍ଯ୍ୟନ୍ତ ଲେଖା ହୋଇଥିବା 100ଟି କାର୍ଡ ରହିଛି । ବର୍ଗ ସଂଖ୍ୟା ପାଇବା  
ସମ୍ଭାବ୍ୟତା ଏବଂ ଘନ ସଂଖ୍ୟା ପାଇବା ସମ୍ଭାବ୍ୟତାର ମୋଟ ନିର୍ଣ୍ଣୟ କର ।

1. 0.10
2. 0.12
3. 0.13
4. 0.14

**Options :**

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 62 Question Id : 3922668102 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A and B are independent events with  $P(A) = 0.2$  and  $P(B) = 0.5$  Then  $P(A/B)$ ,  $P(B/A)$ ,  $P(A \cap B)$  and  $P(A \cup B)$  respectively are

1. 0.2, 0.1, 0.5 and 0.6
2. 0.1, 0.2, 0.5 and 0.6
3. 0.1, 0.2, 0.6 and 0.5
4. 0.2, 0.5, 0.1 and 0.6

A ଏବଂ B ଦୁଇଟି ସ୍ୱତନ୍ତ୍ର ଘଟଣା ।  $P(A) = 0.2$ , ଏବଂ  $P(B) = 0.5$

ହେଲେ  $P(A/B)$ ,  $P(B/A)$ ,  $P(A \cap B)$  ଏବଂ  $P(A \cup B)$  ଯଥାକ୍ରମେ

1. 0.2, 0.1, 0.5 ଏବଂ 0.6
2. 0.1, 0.2, 0.5 ଏବଂ 0.6
3. 0.1, 0.2, 0.6 ଏବଂ 0.5
4. 0.2, 0.5, 0.1 ଏବଂ 0.6

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 63 Question Id : 3922668103 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Y– axis divides the line segment joining the points  $(-6, 15)$  and  $(3, 5)$  internally in the ratio

$(-6, 15)$  ,  $(3, 5)$  ବିନ୍ଦୁଗୁଡ଼ିକୁ ସଂଯୋଗ କରୁଥିବା ରେଖାଖଣ୍ଡକୁ Y – ଅକ୍ଷ ଅନ୍ତଃ ବିଭାଜନ କରିବା ଅନୁପାତ

1. 1:2
2. 2:1
3. 9:20
4. 3:2

Options :

1. 1
2. ✓ 2
3. ✗ 3
4. ✗ 4

Question Number : 64 Question Id : 3922668104 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The vertices of a parallelogram PQRS are P  $(-3, 5)$ , Q  $(1, 10)$ , R  $(3, 1)$  and S  $(-1, -4)$  and M is the point on side PQ. The area  $\Delta RMS$  is (sq. units)

PQRS ସାମନ୍ତରିକକ୍ଷେତ୍ରର ଶୀର୍ଷଗୁଡ଼ିକ P  $(-3, 5)$ , Q  $(1, 10)$ , R  $(3, 1)$

ଏବଂ S  $(-1, -4)$  ଏବଂ PQ ବାହୁ ଉପରିସ୍ଥ M ଏକ ବିନ୍ଦୁ ହେଲେ,  $\Delta RMS$  ର କ୍ଷେତ୍ରଫଳ (ବର୍ଗ ଏକକରେ)

1. 144
2. 92
3. 46
4. 23

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 65 Question Id : 3922668105 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The area of an equilateral triangle whose vertices are  $(a, 0)$ ,  $(-a, 0)$  and  $(0, a\sqrt{3})$  is  $8\sqrt{3}$  sq. units then the value of 'a' is

$(a, 0)$ ,  $(-a, 0)$  ଏବଂ  $(0, a\sqrt{3})$  ଶୀର୍ଷ ଥିବା ସମବାହୁ ତ୍ରିଭୁଜର କ୍ଷେତ୍ରଫଳ  $8\sqrt{3}$  ବର୍ଗ ଏକକ ହେଲେ,  $a$  ର ମୂଲ୍ୟ

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

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 66 Question Id : 3922668106 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The difference of length of diagonals of Quadrilateral PQRS whose vertices are P  $(-6, 0)$ , Q  $(-4, 3)$ , R  $(-6, 8)$  and S  $(-8, 3)$  is (in units)

P  $(-6, 0)$ , Q  $(-4, 3)$ , R  $(-6, 8)$  ଏବଂ S  $(-8, 3)$  ଶୀର୍ଷ ଥିବା PQRS ଚତୁର୍ଭୁଜର କର୍ଣ୍ଣଗୁଡ଼ିକର ଦୈର୍ଘ୍ୟର ପ୍ରଭେଦ(ଏକକରେ)

1. 4
2. 4.5
3. 5
4. 5.5

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 67 Question Id : 3922668107 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If the slope of a line joining the points A ( $a, 3$ ), B  $\left(-7, 2\frac{1}{2}\right)$  is

$\frac{1}{7}$  then  $a^2-1$  is

A ( $a, 3$ ), B  $\left(-7, 2\frac{1}{2}\right)$  ବିନ୍ଦୁଦ୍ୱୟକୁ ସଂଯୋଗ କରୁଥିବା ରେଖାଖଣ୍ଡର

ଆନତୀ(ଡାଲ୍)  $\frac{1}{7}$  ହେଲେ  $a^2-1$  ର ମୂଲ୍ୟ

1.  $-3\frac{1}{2}$

2.  $11\frac{1}{4}$

3.  $-4\frac{1}{2}$

4.  $13\frac{1}{4}$

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 68 Question Id : 3922668108 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The direction ratios of a line are  $(-6, 2, 3)$ . The direction cosines are

ଏକ ରେଖାର ଦିଗ ଅନୁପାତଗୁଡ଼ିକ  $(-6, 2, 3)$  । ଏହାର ଦିଗ କୋସାଇନ୍‌ଗୁଡ଼ିକ

1.  $\left(\frac{6}{7}, \frac{-5}{7}, \frac{-8}{7}\right)$
2.  $\left(\frac{-6}{7}, \frac{2}{7}, \frac{3}{7}\right)$
3.  $\left(\frac{6}{5}, \frac{-2}{5}, \frac{-3}{5}\right)$
4.  $\left(\frac{-6}{5}, \frac{5}{5}, \frac{8}{5}\right)$

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 69 Question Id : 3922668109 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The angle between the straight lines represented by  $2x^2 + 5xy + 2y^2 - 5x - 7y + 3 = 0$  is

$2x^2 + 5xy + 2y^2 - 5x - 7y + 3 = 0$  ସ୍ୱତୀତ ସରଳରେଖାଗୁଡ଼ିକ ମଧ୍ୟସ୍ଥ କୋଣ

1.  $\cos^{-1}\left(\frac{4}{5}\right)$
2.  $\cos^{-1}\left(\frac{3}{5}\right)$
3.  $\sin^{-1}\left(\frac{4}{5}\right)$
4.  $\tan^{-1}\left(\frac{3}{5}\right)$

Options :

1. ✔ 1
2. 2

3. 3

4. ✖ 4

Question Number : 70 Question Id : 3922668110 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The equation of circle with centre  $(2, -3)$  and passes through  $(-5, 1)$  is

$(2, -3)$  କେନ୍ଦ୍ର ଯୁକ୍ତ  $(-5, 1)$  ବିନ୍ଦୁ ଦେଇ ଯିବା ବୃତ୍ତର ସମୀକରଣ

1.  $x^2 + y^2 - 4x + 6y - 44 = 0$

2.  $x^2 + y^2 + 4x - 6y - 44 = 0$

3.  $x^2 + y^2 - 4x + 6y - 52 = 0$

4.  $x^2 + y^2 + 4x - 6y - 52 = 0$

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 71 Question Id : 3922668111 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The eccentricity of a rectangular hyperbola

ଏକ ଲମ୍ବ ହାଇପାରାବୋଲାର ଉକ୍ସେନ୍ସିଟି

1.  $\sqrt{2}$

2.  $\sqrt{2} + 1$

3.  $\sqrt{3}$

4. 1

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 72 Question Id : 3922668112 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $A = 45^\circ$  then the value of  $(\operatorname{Cosec} A - \sin A) (\sec A - \cos A)$

$A = 45^\circ$  ଯେତେବେଳେ  $(\operatorname{Cosec} A - \sin A) (\sec A - \cos A)$  ର ମୂଲ୍ୟ

1. 1
2. 0
3.  $\frac{1}{2}$
4.  $\frac{3}{2}$

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 73 Question Id : 3922668113 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

$\Delta ABC$  is a scalene triangle with base AC, if  $AC = 6\text{cm}$ ,

$AB = \sqrt{3}\text{ cm}$  and  $\angle BAC = 60^\circ$ , then the area of triangle in  $\text{cm}^2$  is

ତ୍ରିଭୁଜ  $ABC$  ଥିବା ଏକ ବିଷମ ବାହୁ ତ୍ରିଭୁଜ  $ABC$  ରେ  $AC = 6$  ସେ.ମି.,  $AB = \sqrt{3}$  ସେ.ମି. ଏବଂ  $\angle BAC = 60^\circ$ , ହେଲେ ତ୍ରିଭୁଜର କ୍ଷେତ୍ରଫଳ କେତେ ସେ.ମି.ରେ

1. 4.5
2.  $3\sqrt{3}$
3.  $(4.5)\sqrt{3}$
4.  $1.5\sqrt{3}$

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 74 Question Id : 3922668114 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which among the following increases continuously in the range  $0^\circ < \theta < 90^\circ$  ?

$0^\circ < \theta < 90^\circ$  ପରିସରରେ ନିମ୍ନରୁ କାହାର ମୂଲ୍ୟ କ୍ରମଶଃ ବୃଦ୍ଧି ହୁଏ ।

1.  $\sin\theta, \cot\theta$
2.  $\sec\theta, \cos\theta$
3.  $\sin\theta, \tan\theta$
4.  $\sec\theta, \operatorname{cosec}\theta$

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 75 Question Id : 3922668115 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

If  $\cos(x + 50^\circ) = \sin(y - 50^\circ)$  then  $\sin(x+y) - \cos(x+y) + \cos 30^\circ$

$\cos(x + 50^\circ) = \sin(y - 50^\circ)$  ହେଲେ  $\sin(x+y) - \cos(x+y) + \cos 30^\circ$  ର ମୂଲ୍ୟ

1.  $\frac{\sqrt{3}}{2}$
2.  $\frac{\sqrt{3}+2}{2}$
3.  $\frac{\sqrt{3}+1}{2}$
4.  $\frac{3+\sqrt{2}}{2}$

Options :

1. ✖ 1

2. 2

3. ✖ 3

4. ✖ 4

Question Number : 76 Question Id : 3922668116 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Area of Rhombus ABCD is  $18\sqrt{3} \text{ cm}^2$  and  $BD = 6\text{cm}$  then the  $\angle DAB$

ABCD ରମ୍ଭସ୍ କ୍ଷେତ୍ରଫଳ  $18\sqrt{3}$  ବର୍ଗ ସେ.ମି. ଏବଂ  $BD = 6$  ସେ.ମି.

ହେଲେ  $\angle DAB$

1.  $30^\circ$

2.  $60^\circ$

3.  $90^\circ$

4.  $120^\circ$

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 77 Question Id : 3922668117 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Inner part of a cupboard is in the Cuboidical shape with its length, breadth and height in the ratio  $\sqrt{2}:1:1$ , then the angle made by the longest stick which can be inserted into the cupboard with its base diagonal is

ଏକ ଆୟତଘନାକାର ଆକୃତି ଥିବା କପ୍‌ବୋର୍ଡର ଭିତର ପାର୍ଶ୍ବର ଦୈର୍ଘ୍ୟ, ପ୍ରସ୍ଥ ଏବଂ ଉଚ୍ଚତାର ଅନୁପାତ  $\sqrt{2}:1:1$  ହେଲେ, ସେହି କପ୍‌ବୋର୍ଡରେ ରହିପାରିବା ସର୍ବାଧିକ ଲମ୍ବସ୍ଥ ବାଡ଼ି ଏହାର ଭୂମି କଣ୍ଠ ସହ କରିବା କୋଣର ପରିମାଣ

1.  $45^\circ$
2.  $60^\circ$
3.  $30^\circ$
4.  $15^\circ$

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 78 Question Id : 3922668118 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which of the following does not exist for some value of 'x'

'x' ର କୌଣସି ମୂଲ୍ୟ ପାଇଁ ନିମ୍ନରୁ କେଉଁଟି ସମ୍ଭବ ନୁହେଁ

1.  $\cos x = \frac{-21}{34}$
2.  $\sin x = \frac{26}{17}$
3.  $\tan x = 29$
4.  $\sec x = 1.9$

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 79 Question Id : 3922668119 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The value of  $\sec(2100^\circ)$

$\sec(2100^\circ)$  ର ମୂଲ୍ୟ

1.  $\frac{2}{\sqrt{3}}$
2. 2
3.  $-\frac{2}{\sqrt{3}}$
4. -2

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 80 Question Id : 3922668120 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In a  $\triangle ABC$ , If  $a = 3$ ,  $b = 4$  and  $\sin A = \frac{3}{4}$  then  $\angle B$

$\triangle ABC$  ରେ  $a = 3$ ,  $b = 4$  ଏବଂ  $\sin A = \frac{3}{4}$  ହେଲେ  $\angle B$

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

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 81 Question Id : 3922668121 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $\sec\theta + \tan\theta = \frac{2}{3}$  then value of  $\sin\theta$  and the quadrant in which ' $\theta$ ' lies

$\sec\theta + \tan\theta = \frac{2}{3}$  ହେଲେ  $\sin\theta$  ର ମୂଲ୍ୟ ଏବଂ ' $\theta$ ' ଅବସ୍ଥିତ ପାଦ ଯଥାକ୍ରମେ

1.  $\sin\theta = -\frac{5}{13}, \theta \in Q_3$
2.  $\sin\theta = -\frac{5}{13}, \theta \in Q_4$
3.  $\sin\theta = +\frac{5}{13}, \theta \in Q_1$
4.  $\sin\theta = +\frac{5}{13}, \theta \in Q_2$

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 82 Question Id : 3922668122 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

For two non-zero, non collinear vectors  $a$  and  $b$  if  $|a+b| = |a-b|$  then angle between  $a$  and  $b$  is

$a, b$  ଦୁଇଟି ଅଣଶୂନ୍ୟ, ଅରେଖୀୟ ସଦିଶ ଏବଂ  $|a+b| = |a-b|$  ହେଲେ  $a, b$  ମଧ୍ୟସ୍ଥ କୋଣ

1.  $60^\circ$
2.  $90^\circ$
3.  $120^\circ$
4.  $150^\circ$

Options :

1. ✖ 1
2. ✔ 2

3. 3

4. ✖ 4

Question Number : 83 Question Id : 3922668123 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The area of the Parallelogram for which the vectors  
 $a = 2i - 3j + 3k$  and  $b = i + 2j - 5k$  are adjacent sides is  
(in square units)

$a = 2i - 3j + 3k$  ଏବଂ  $b = i + 2j - 5k$  ସଦିଶଗୁଡ଼ିକ ସାମନ୍ତରିକକ୍ଷେତ୍ରର  
ସନ୍ନିହିତ ବାହୁ ହେଲେ, ଏହାର କ୍ଷେତ୍ରଫଳ (ବର୍ଗ ଏକକରେ)

1.  $\sqrt{782}$

2.  $\sqrt{390}$

3.  $\sqrt{299}$

4.  $\sqrt{158}$

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 84 Question Id : 3922668124 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $OA = i + 3j + 2k$ ,  $AB = 3i - 2j + k$ , then  $OB =$

$OA = i + 3j + 2k$ ,  $AB = 3i - 2j + k$  ହେଲେ  $OB =$

1.  $-2i + 5j - k$

2.  $2i - 5j - k$

3.  $4i + j + 3k$

4.  $-4i - j - 3k$

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. 4

Question Number : 85 Question Id : 3922668125 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

$$\int \frac{1}{x^2 + 9} dx =$$

1.  $\frac{1}{9} \tan^{-1} \left( \frac{x}{9} \right) + c$
2.  $\frac{1}{3} \tan^{-1} x + c$
3.  $\frac{1}{3} \tan^{-1} \left( \frac{x}{3} \right) + c$
4.  $\frac{1}{9} \tan^{-1} x + c$

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 86 Question Id : 3922668126 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The value of  $\lim_{x \rightarrow 0} \frac{\sin ax}{\sin bx}$ ,  $b \neq 0$ ,  $a \neq b$  is

$$\lim_{x \rightarrow 0} \frac{\sin ax}{\sin bx} (b \neq 0, a \neq b) \text{ ର ମୂଲ୍ୟ}$$

1.  $ab$
2.  $\frac{a}{b}$
3.  $\frac{b}{a}$
4.  $\frac{\log_e a}{\log_e b}$

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 87 Question Id : 3922668127 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $f(x) = e^x + \sin x \cos x$ , then  $f'(x)$

$f(x) = e^x + \sin x \cos x$ , find  $f'(x)$

- 1.  $e^x + \cos 2x$
- 2.  $e^x + \sin 2x$
- 3.  $e^x + 2\sin x$
- 4.  $e^x + 2\cos x$

Options :

- 1. ✔ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 88 Question Id : 3922668128 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

$$\int_0^{\frac{\pi}{2}} x \sin x \, dx =$$

- 1. 0
- 2. 1
- 3.  $\frac{\pi}{2}$
- 4.  $\pi$

Options :

- 1. ✖ 1
- 2. ✔ 2

3. 3

4. ✖ 4

Question Number : 89 Question Id : 3922668129 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the TRUE statement/s

- (i)  $2 \text{ kg} : 500\text{g} = 10 \text{ km} : 2.5 \text{ km}$
  - (ii)  $20 \text{ seconds} : 3 \text{ hours} = 1 \text{ meter} : 900\text{cm}$
  - (iii)  $\text{₹}1 : 10 \text{ paise} = 1\text{cm} : 1\text{mm}$
- 1. only (i)
  - 2. only (i) and (ii)
  - 3. only (ii) and (iii)
  - 4. only (i) and (iii)

ସଠିକ ଉକ୍ତି/ଉକ୍ତିଗୁଡ଼ିକ ଚିହ୍ନଟ କର ।

- (i)  $2 \text{ କି.ଗ୍ରା.} : 500 \text{ ଗ୍ରା.} = 10 \text{ କି.ମି.} : 2.5 \text{ କି.ମି.}$
  - (ii)  $20 \text{ ସେକେଣ୍ଡ} : 3 \text{ ଘଣ୍ଟା} = 1 \text{ ମିଟର} : 900 \text{ ସେ.ମି.}$
  - (iii)  $\text{₹}1 : 10 \text{ ପଇସା} = 1 \text{ ସେ.ମି.} : 1 \text{ ମି.ମି.}$
- 1. କେବଳ (i)
  - 2. କେବଳ (i), (ii)
  - 3. କେବଳ (ii), (iii)
  - 4. କେବଳ (i), (iii)

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 90 Question Id : 3922668130 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The difference between compound interest (compounded annually) and simple interests on a certain amount of money for two years at 4% per annum is ₹10. Then the amount of money is

କିଛି ମୂଳଧନ ପାଇଁ ବାର୍ଷିକ 4% ସୁଧହାରରେ 2 ବର୍ଷକୁ (ବର୍ଷକୁ ଥରେ ମାତ୍ର ସୁଧ ପଇଠ କରିବା) ଚକ୍ରବୃଦ୍ଧି ସୁଧ ଏବଂ ସାଧାରଣ ସୁଧ ମଧ୍ୟରେ ପ୍ରଭେଦ ₹10 ହେଲେ, ମୂଳଧନର ମୂଲ୍ୟ

1. ₹ 6250
2. ₹ 6300
3. ₹ 6500
4. ₹ 7500

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 91 Question Id : 3922668131 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The expenses on oil, vegetables and rice of a family are in the ratio 12:13:15 respectively. The prices of these are increased by 20%, 30%, 50% respectively. The total expenses increased by

ଏକ ପରିବାରରେ ତେଲ, ପନିପରିବା ଏବଂ ଚାଉଳ ବାବଦକୁ ହେବା ଖର୍ଚ୍ଚ ଅନୁପାତ ଯଥାକ୍ରମେ 12:13:15 । ସେଗୁଡ଼ିକର ମୂଲ୍ୟ ଯଥାକ୍ରମେ 20%, 30%, 50% ବୃଦ୍ଧି ପାଇଲା । ତେବେ ତିନୋଟି ବସ୍ତୁ ଉପରେ ବୃଦ୍ଧି ପାଇବା ଖର୍ଚ୍ଚ ଶତକଡ଼ା

1. 32.5%
2. 33.5%
3. 34.5%
4. 35.5%

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3

4. 4

Question Number : 92 Question Id : 3922668132 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

In a hostel of 180 boys the food material is sufficient for 37 days. After 12 days of hostel life, 30 boys left the hostel. The number of days for which the remaining food material will last is 180 ଜଣ ଥିବା ଏକ ବାଳକ ଛାତ୍ରାବାସରେ 37 ଦିନ ପାଇଁ ଯଥେଷ୍ଟ ଖାଦ୍ୟ ସାମଗ୍ରୀ ରହିଛି । 12 ଦିନ ପରେ 30 ଜଣ ବାଳକ ଛାତ୍ରାବାସ ଛାଡି ଚାଲିଗଲେ । ଅବଶିଷ୍ଟ ବାଳକଙ୍କ ପାଇଁ ବଳକା ଥିବା ଖାଦ୍ୟ ସାମଗ୍ରୀ କେତେ ଦିନ ପର୍ଯ୍ୟନ୍ତ ସମାନ ହେବ

1. 30
2. 32
3. 34
4. 36

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 93 Question Id : 3922668133 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

If the cost price of 12 apples is equal to selling price of 18 apples, then the loss percentage is

12ଟି ଏପଲର କ୍ରୟମୂଲ୍ୟ, 18ଟି ଏପଲର ବିକ୍ରୟ ମୂଲ୍ୟ ସହ ସମାନ ହେଲେ, କ୍ଷତି ଶତକଡ଼ା

1. 30%
2. 50%
3.  $33\frac{1}{3}\%$
4.  $30\frac{1}{3}\%$

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 94 Question Id : 3922668134 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

An amount of ₹1170 is divided among three persons A, B and C such that 3 times A's share, 2 times B's share, 4 times C's share are equal. The shares of A, B and C respectively are

ମୋଟ 1170 ଟଙ୍କାକୁ A, B ଏବଂ C ନାମକ ତିନିଜଣ ବ୍ୟକ୍ତି ମଧ୍ୟରେ ଏପରି  
ବଣ୍ଟାଗଲା, ଯେପରି A ଭାଗର 3 ଗୁଣ, B ଭାଗର 2 ଗୁଣ, C ଭାଗର 4 ଗୁଣ  
ସହ ସମାନ ହେଲା । ତେବେ A, B ଏବଂ C ର ଭାଗଗୁଡ଼ିକ ଯଥାକ୍ରମେ

- 1. ₹270, ₹180, ₹360
- 2. ₹390, ₹260, ₹520
- 3. ₹520, ₹390, ₹260
- 4. ₹360, ₹540, ₹270

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 95 Question Id : 3922668135 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Percentage of numbers from 1 to 70 (including 1 and 70), which have 1 or 9 in the unit's digit

1 ଏବଂ 70 ମଧ୍ୟରେ ଥିବା (1 ଏବଂ 70 କୁ ମିଶାଇ) ସଂଖ୍ୟାଗୁଡ଼ିକର ଏକକ ସ୍ଥାନରେ 1 କିମ୍ବା 9 ରହିପାରିବା ସଂଖ୍ୟାଗୁଡ଼ିକର ଶତକଡ଼ା

1. 20
2. 25
3. 30
4. 35

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 96 Question Id : 3922668136 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The smallest 4 digit number which is divisible by 9, 18, 24 and 32 is

9, 18, 24 ଏବଂ 32 ଦ୍ୱାରା ନିଃଶେଷ ବିଭକ୍ତ ହେବା 4 ଅଙ୍କ ବିଶିଷ୍ଟ ସ୍ୱତ୍ୱତମ ସଂଖ୍ୟା

1. 1080
2. 1152
3. 1306
4. 1536

Options :

1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4

Question Number : 97 Question Id : 3922668137 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Which of the following is/are terminating decimal(s)

(i)  $\frac{16}{125}$       (ii)  $\frac{143}{110}$       (iii)  $\frac{9}{15}$

1. (i) only
2. (i) and (ii) only
3. (i) and (iii) only
4. (i), (ii) and (iii)

ନିମ୍ନ ମଧ୍ୟରୁ ସସୀମ ଦଶମିକ ସଂଖ୍ୟା/ସଂଖ୍ୟାଗୁଡ଼ିକ

(i)  $\frac{16}{125}$       (ii)  $\frac{143}{110}$       (iii)  $\frac{9}{15}$

1. କେବଳ (i)
2. କେବଳ (i) ଏବଂ (ii)
3. କେବଳ (i) ଏବଂ (iii)
4. (i), (ii) ଏବଂ (iii)

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 98 Question Id : 3922668138 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If  $\log_8 \left( \log_4 (\log_6^x) \right) = \frac{1}{3}$  and  $\log_3 \left( \log_{27}^y \right) = -1$  then HCF  $(x, y) =$

$\log_8 \left( \log_4 (\log_6^x) \right) = \frac{1}{3}$  ଏବଂ  $\log_3 \left( \log_{27}^y \right) = -1$  ହେଲେ ଗ.ସା.ଗୁ.

$(x, y) =$

1. 1
2. 3
3. 6
4. 9

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3

4. 4

Question Number : 99 Question Id : 3922668139 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

If the pair of integers  $(a, b)$  such that  $a \div b = -3$  and  $a + b + 8 = 0$ , then  $a =$

$a \div b = -3$  ଏବଂ  $a + b + 8 = 0$  ହେବାଭଳି ପୂର୍ଣ୍ଣସଂଖ୍ୟା ଯୋଡ଼ି  $(a, b)$

ହେଲେ,  $a =$

1. -4
2. 4
3. -12
4. 12

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 100 Question Id : 3922668140 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which of the following statement is TRUE?

ନିମ୍ନ ମଧ୍ୟରୁ କେଉଁ ଉକ୍ତିଟି ସତ୍ୟ ?

1.  $4 \div \frac{1}{4} = \frac{1}{4} \div 4$
2.  $\left(4 \div \frac{1}{4}\right) \div 4 = 4 \div \left(\frac{1}{4} \div 4\right)$
3.  $4 \div (4 + 4) = (4 \div 4) + (4 \div 4)$
4.  $\left(4 - \frac{1}{4}\right) \div 4 = (4 \div 4) - \left(\frac{1}{4} \div 4\right)$

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3

4. 4

Question Number : 101 Question Id : 3922668141 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

$$\sqrt[3]{13.824} + \sqrt[3]{15.625} - \sqrt[3]{17.576} =$$

1. 2.3
2. 2.4
3. 2.5
4. 2.7

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 102 Question Id : 3922668142 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Let  $abc$  be any three digit number, then  $abc+bc+ca$  is not always divisible by

$abc$  ଯେକୌଣସି ତିନି ଅଙ୍କ ବିଶିଷ୍ଟ ସଂଖ୍ୟା ହେଲେ,  $abc+bc+ca$

ନିମ୍ନ ଦ୍ଵାରା ସର୍ବଦା ବିଭାଜ୍ୟ ହେବ ନାହିଁ

1.  $a+b+c$
2. 3
3. 37
4. 17

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 103 Question Id : 3922668143 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

If  $A = \{x : x = n^2 + 1, n \in N, n \leq 4\}$ ,  $B = \{x : x \text{ is an integer and } x^2 - 9 = 0\}$  then which of the following is **TRUE**

$A = \{x : x = n^2 + 1, n \in N, n \leq 4\}$ ,  $B = \{x : x \text{ ଏକ ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା ଏବଂ } x^2 - 9 = 0\}$  ହେଲେ, ନିମ୍ନ ମଧ୍ୟରୁ କେଉଁଟି ସତ୍ୟ

1.  $n(A - B) = 5$
2.  $n(A \cap B) = 1$
3.  $n(A \cup B) = 5$
4.  $n(B - A) = 2$

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 104 Question Id : 3922668144 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the **WRONG** statement

1. All rhombuses are parallelograms
2. All squares are rhombuses and rectangles
3. All rectangles are squares
4. All parallelograms are trapeziums

ଅସତ୍ୟ ଉକ୍ତିଟିକୁ ଚିହ୍ନଟ କର ।

1. ସମସ୍ତ ରମ୍ବସ୍ ସାମାନ୍ତରିକ କ୍ଷେତ୍ର ଅଟେ
2. ସମସ୍ତ ବର୍ଗକ୍ଷେତ୍ର ରମ୍ବସ୍ ଏବଂ ଆୟତକ୍ଷେତ୍ର ଅଟେ
3. ସମସ୍ତ ଆୟତକ୍ଷେତ୍ର ବର୍ଗକ୍ଷେତ୍ର ଅଟେ
4. ସମସ୍ତ ସାମାନ୍ତରିକ କ୍ଷେତ୍ର ତ୍ରାପିଜିୟମ୍ ଅଟେ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 105 Question Id : 3922668145 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In  $\triangle ABC$ ,  $DE \parallel BC$ . If  $AD=2.3\text{cm}$ ,  $DB=6.9\text{cm}$  and  $EC=4.5\text{cm}$  then  $AE$  is

$\triangle ABC$  ରେ  $DE \parallel BC$ .  $AD=2.3$  ସେ.ମି.,  $DB=6.9$  ସେ.ମି. ଏବଂ  
 $EC=4.5$  ସେ.ମି. ହେଲେ  $AE$  ର ମୂଲ୍ୟ

1. 3.0 cm
2. 13.5 cm
3. 1.5 cm
4. 1.8 cm

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 106 Question Id : 3922668146 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

'AB' is a chord of length 10cm which is drawn in the circle of center 'O' and diameter 26cm. The perpendicular distance from center to the chord is

1. 10 cm
2. 16 cm
3. 13 cm
4. 12 cm

'O' କେନ୍ଦ୍ର ଏବଂ 26 ସେ.ମି. ବ୍ୟାସ ବିଶିଷ୍ଟ ଏକ ବୃତ୍ତରେ 10 ସେ.ମି. ଦୈର୍ଘ୍ୟ ବିଶିଷ୍ଟ ଏକ ଜ୍ୟା 'AB' ରହିଛି । କେନ୍ଦ୍ର Oାରୁ ଜ୍ୟା ମଧ୍ୟରେ ଥିବା ଲମ୍ବ ଦୂରତା

1. 10 ସେ.ମି.
2. 16 ସେ.ମି.
3. 13 ସେ.ମି.
4. 12 ସେ.ମି.

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 107 Question Id : 3922668147 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A circle touches all four sides of quadrilateral KLMN. If  $KL = 12\text{cm}$ ,  $KN = 14\text{cm}$ ,  $MN = 18\text{cm}$  then LM is

1. 8 cm
2. 20 cm
3. 16 cm
4. 44 cm

ଏକ ବୃତ୍ତ KLMN ଚତୁର୍ଭୁଜର ଚାରୋଟି ବାହୁକୁ ସ୍ପର୍ଶ କରୁଛି । ଯଦି  $KL = 12$  ସେ.ମି.,  $KN = 14$  ସେ.ମି.,  $MN = 18$  ସେ.ମି. ହେଲେ LM ର ମୂଲ୍ୟ

1. 8 ସେ.ମି.
2. 20 ସେ.ମି.
3. 16 ସେ.ମି.
4. 44 ସେ.ମି.

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 108 Question Id : 3922668148 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The supplementary angle of an angle  $\angle A$  is three times to angle  $\angle A$ . The sum of complementary and supplementary angles of  $\angle A$  is

$\angle A$  ର ପରିପୂରକ କୋଣଟି  $\angle A$  ର 3 ଗୁଣ ଅଟେ । ତେବେ  $\angle A$  ର ଅନୁପୂରକ ଓ ପରିପୂରକ କୋଣଗୁଡ଼ିକର ମୋଟ

1.  $45^\circ$
2.  $180^\circ$
3.  $135^\circ$
4.  $90^\circ$

Options :

1. ✖ 1

2. 2

3. ✖ 3

4. ✖ 4

Question Number : 109 Question Id : 3922668149 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The ratio of an exterior angle and one of the any interior opposite angles of an equilateral triangle is

ଏକ ସମବାହୁ ତ୍ରିଭୁଜର ବାହ୍ୟକୋଣ ଏବଂ ଯେକୌଣସି ଏକ ଅନ୍ତଃ ବିପରୀତ

କୋଣର ଅନୁପାତ

1. 1:2

2. 2:1

3. 1:3

4. 3:1

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 110 Question Id : 3922668150 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The perimeter of a triangle is 12 cm. If all the three sides have lengths (in cm) in integers, then how many such triangles are possible?

ଏକ ତ୍ରିଭୁଜର ପରିସୀମା 12 ସେ.ମି. । ଯଦି ପ୍ରତ୍ୟେକ ବାହୁର ଦୈର୍ଘ୍ୟ(ସେ.ମି.ରେ)

ଏକ ପୂର୍ଣ୍ଣସଂଖ୍ୟା ହେବ, ତେବେ ସେହିପରି କେତେ ପ୍ରକାର ତ୍ରିଭୁଜ ସମ୍ଭବ ହୋଇପାରିବ ?

1. 5

2. 2

3. 3

4. 4

Options :

1. 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 111 Question Id : 3922668151 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

CART is a rectangle. Intersecting point of diagonals 'CR' and 'AT' is 'O'. If  $CO = x^2 + 3x + 7$  and  $OR = x^2 + 4x + 5$  then value of  $x$  and length of any one of its diagonal respectively are

1. 4 and 35
2. 1 and 11
3. 2 and 34
4. 3 and 25

CART ଏକ ଆୟତକ୍ଷେତ୍ର । ଦୁଇଟି କର୍ଣ୍ଣ CR ଏବଂ AT ର ଛେଦନ ବିନ୍ଦୁ 'O' ।  $CO = x^2 + 3x + 7$  ଏବଂ  $OR = x^2 + 4x + 5$  ହେଲେ  $x$  ର ମୂଲ୍ୟ ଏବଂ ଯେକୌଣସି ଏକ କର୍ଣ୍ଣର ଦୈର୍ଘ୍ୟ ଯଥାକ୍ରମେ

1. 4 ଏବଂ 35
2. 1 ଏବଂ 11
3. 2 ଏବଂ 34
4. 3 ଏବଂ 25

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 112 Question Id : 3922668152 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The ratio of the slant height and height of cone is  $2:\sqrt{3}$  then the angle between radius and slant height is

ଏକ ଶିଖୁର ବକ୍ର ଉଚ୍ଚତା ଏବଂ ଉଚ୍ଚତାର ଅନୁପାତ  $2:\sqrt{3}$  ହେଲେ, ବ୍ୟାସାର୍ଦ୍ଧ ଏବଂ ବକ୍ର ଉଚ୍ଚତା ମଧ୍ୟରେ ଥିବା କୋଣ

1.  $15^\circ$
2.  $45^\circ$
3.  $30^\circ$
4.  $60^\circ$

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 113 Question Id : 3922668153 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A cone of height 7cm and base radius 3cm is carved from a cuboidal block of wood with dimensions 10 cm  $\times$  6 cm  $\times$  2cm. Then the percentage of wood wastage in the process is

10 ସେ.ମି.  $\times$  6 ସେ.ମି.  $\times$  2 ସେ.ମି. ମାପ ବିଶିଷ୍ଟ ଏକ ଆୟତଘନାକାର କାଠ ଫଳକରୁ 7 ସେ.ମି. ଉଚ୍ଚତା, 3 ସେ.ମି. ଭୂ-ବ୍ୟାସାର୍ଦ୍ଧ ବିଶିଷ୍ଟ ଏକ ଶିଖୁ ଖୋଦିତ କରାଗଲା । ତେବେ ଏହି ପ୍ରକ୍ରିୟାରେ ନଷ୍ଟ ହେବା କାଠର ପରିମାଣ ଶତକଡ଼ାରେ

1. 45%
2.  $42\frac{1}{2}\%$
3. 33%
4.  $33\frac{1}{2}\%$

Options :

1. ✔ 1
2. ✖ 2
3. ✖ 3
4. ✖ 4

Question Number : 114 Question Id : 3922668154 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

ABCD is a parallelogram whose adjacent sides are equal and  $BD=13\text{cm}$ , area of ABCD is  $65\text{cm}^2$  then the length of AC in centimeters.

ABCD ସାମାନ୍ୟପାର୍ଶ୍ୱାଳୀୟ ସମବାହୁ ପ୍ରାନ୍ତର ଏକ  $BD = 13$   
ସେ.ମି., କ୍ଷେତ୍ରଫଳ 65 ବର୍ଗ ସେ.ମି. ହେଲେ AC ର ଦୈର୍ଘ୍ୟ ସେ.ମି.ରେ

1. 5
2. 10
3. 6
4. 9

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 115 Question Id : 3922668155 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A right triangle with sides 5cm, 12cm and 13cm is revolved about the side 12cm. Then the ratio of curved surface area and total surface area of the solid so obtained

5 ସେ.ମି., 12 ସେ.ମି. ଏବଂ 13 ସେ.ମି. ବାହୁ ବିଶିଷ୍ଟ ଏକ ସମକୋଣୀ ତ୍ରିଭୁଜଟି  
ଏହାର 12 ସେ.ମି. ବାହୁ ଚାରିପଟେ ଭ୍ରମଣ କରିବା ଦ୍ୱାରା ଉତ୍ପନ୍ନ ହେବା ଘନାକାର  
ବସ୍ତୁର ବକ୍ର ପୃଷ୍ଠତଳର କ୍ଷେତ୍ରଫଳ ଏବଂ ସମଗ୍ର ପୃଷ୍ଠତଳର କ୍ଷେତ୍ରଫଳର ଅନୁପାତ

1. 12:5
2. 13:12
3. 13:18
4. 25:12

Options :

1. ✖ 1
2. ✖ 2

3. 3

4. ✖ 4

Question Number : 116 Question Id : 3922668156 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Which of the following groups of English alphabet letters have both horizontal and vertical lines of symmetry

ନିମ୍ନ କେଉଁ ଇଂରାଜୀ ଅକ୍ଷର ସମୂହର ଉଭୟ ଭୂସମାନ୍ତର ଏବଂ ଭୂଲମ୍ବ ସୌଷ୍ଟବ ରେଖା ରହିଛି

1. C, X, T

2. X, H, O

3. X, Y, Z

4. A, B, C

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4

Question Number : 117 Question Id : 3922668157 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The volume of a cube is  $216\text{cm}^3$  then the length of its diagonal in centimeters

ଏକ ସମଘନର ଘନଫଳ 216 ଘନ ସେ.ମି. ହେଲେ, ଏହାର କର୍ଣ୍ଣର ଦୈର୍ଘ୍ୟ ସେ.ମି.ରେ

1.  $8\sqrt{3}$

2.  $8\sqrt{2}$

3.  $6\sqrt{3}$

4.  $6\sqrt{2}$

Options :

1. ✖ 1

2. ✖ 2

3. 3

4. 4

Question Number : 118 Question Id : 3922668158 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

If diagonals of a Rhombus are 7cm and 3 cm respectively, then the perimeter of quadrilateral which formed by joining mid-points of the sides of rhombus in cm

ଏକ ରମ୍ବସର କର୍ଣ୍ଣଗୁଡ଼ିକ ଯଥାକ୍ରମେ 7 ସେ.ମି. ଏବଂ 3 ସେ.ମି. । ରମ୍ବସର ବାହୁଗୁଡ଼ିକର ମଧ୍ୟବିନ୍ଦୁଗୁଡ଼ିକୁ ଯୋଗ କରିବା ଦ୍ଵାରା ଗଠିତ ଚତୁର୍ଭୁଜର ପରିସୀମା ସେ.ମି.ରେ

1. 4.5
2. 10
3. 5
4. 9

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 119 Question Id : 3922668159 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The ratio between the perimeter and the breadth of a rectangle is 5:1. If the area of the rectangle is  $216\text{cm}^2$ , then its length in centimeters

ଏକ ଆୟତକ୍ଷେତ୍ରର ପରିସୀମା ଏବଂ ପ୍ରସ୍ଥର ଅନୁପାତ 5:1, ଏହାର କ୍ଷେତ୍ରଫଳ  $216$  ବର୍ଗ ସେ.ମି. ହେଲେ, ଏହାର ଦୈର୍ଘ୍ୟ ସେ.ମି.ରେ

1. 16
2. 18
3. 24
4. 26

Options :

1. ✖ 1

2. 2

3. ✖ 3

4. ✖ 4

Question Number : 120 Question Id : 3922668160 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

The length of the minute hand of a clock is 14cm then what is distance covered by the minute hand in 10 minutes in centimeters?

ଏକ ଘଣ୍ଟାର ମିନିଟ୍ କଣ୍ଟାର ଦୈର୍ଘ୍ୟ 14 ସେ.ମି. । 10 ମିନିଟ୍ରେ ସେହି କଣ୍ଟାଟି ଗତି କରିବା ଦୂରତା ସେ.ମି.ରେ

1.  $14\frac{2}{3}$

2.  $15\frac{1}{3}$

3.  $102\frac{1}{3}$

4.  $102\frac{2}{3}$

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

## Section 5

|                                       |           |
|---------------------------------------|-----------|
| Section Id :                          | 392266255 |
| 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 :                      | 392266255 |
| Question Shuffling Allowed :          | Yes       |

Question Number : 121 Question Id : 3922668161 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Match the definitions of the Mathematicians

- |                  |                                                                            |
|------------------|----------------------------------------------------------------------------|
| A. Francis Bacon | i. Science of quantity                                                     |
| B. Aristotle     | ii. Mathematics is the indispensable instrument of all physical researches |
| C. Kant          | iii. Indirect Measurement                                                  |
|                  | iv. Gateway and Key of all sciences                                        |

ଗଣିତଜ୍ଞମାନେ ଦେଇଥିବା ସଂଜ୍ଞାଗୁଡ଼ିକୁ ମିଳାଅ ।

- |                   |                                                      |
|-------------------|------------------------------------------------------|
| A. ଫ୍ରାନ୍ସିସ ବେକନ | i. ପରିମାଣ ବିଜ୍ଞାନ                                    |
| B. ଆରିଷ୍ଟାଟିଲ୍    | ii. ସମସ୍ତ ଭୌତିକ ଗବେଷଣା ପାଇଁ ଗଣିତ ଏକ ଅପରିହାର୍ଯ୍ୟ ସାଧନ |
| C. କାଣ୍ଟ          | iii. ପରୋକ୍ଷ ମାପନ                                     |
|                   | iv. ସମସ୍ତ ବିଜ୍ଞାନର ମୁଖଶାଳା ଏବଂ ଚାବିକାଠି              |

1. A - iv, B - iii, C - ii
2. A - iii, B - iv, C - ii
3. A - iv, B - i, C - ii
4. A - iii, B - iv, C - i

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 122 Question Id : 3922668162 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The statement “No Subject loses more than mathematics by any attempt to dissociate it from its history” was said by

1. Lim
2. Chapman
3. Fried
4. J.W.L. Glaisher

“ଗୋଟିଏ ବିଷୟକୁ ତା’ର ଇତିହାସରୁ ଅଲଗା କଲେ, କୌଣସି ବିଷୟ ମଧ୍ୟ ଗଣିତ ଭଳି କ୍ଷତି ହେବ ନାହିଁ”- ଏହା କହିଥିଲେ

1. ଲିମ୍
2. ଚାପମାନ୍
3. ଫ୍ରାଇଡ୍
4. ଜେ.ଡବ୍ଲ୍ୟୁ.ଏଲ୍. ଗ୍ଲାସିୟର୍

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 123 Question Id : 3922668163 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The person who along with Bertrand Russell, challenged that “any one could show where logic ends, there mathematics begins” was

1. Descartes
2. White head
3. Felix Klein
4. David Hilbert

କେଉଁଠି ତର୍କ ଶେଷହୁଏ ଏବଂ କେଉଁଠି ଗଣିତ ଆରମ୍ଭ ହୁଏ ? କେହିହେଲେ ଦେଖାଇପାରନ୍ତି ବୋଲି ଏହି ବ୍ୟକ୍ତି ବ୍ରାଟାଫ୍ଟ ରସେଲ୍‌ଙ୍କ ସହ ମିଶି ସବାଲ କରିଥିଲେ

1. ଡେକାର୍ଟେସ୍
2. ହ୍ୱାଇଟ୍ ହେଡ୍
3. ଫେଲିକ୍ସ କ୍ଲେଇନ୍
4. ଡେଭିଡ୍ ହିଲ୍‌ବର୍ଟ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 124 Question Id : 3922668164 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct statements

- I. Inductive reasoning is not a valid method when concerned to proof
  - II. Though deductive reasoning appears to be simple, there is every possibility of going incorrect in many situations
- 1. I is correct; II is incorrect
  - 2. I is incorrect; II is correct
  - 3. Both I and II are correct
  - 4. Both I and II are incorrect

ସଠିକ ଉକ୍ତି ଚୟନ କର

- I. ଆଗମନାତ୍ମକ ହେତୁବୋଧ ଯାହା ନିରୂପଣ ସମ୍ପର୍କିତ ସପ୍ରମାଣ ପଦ୍ଧତି ନୁହେଁ
  - II. ନିଗମନାତ୍ମକ ହେତୁବୋଧ ଅତି ସରଳଭାବେ ଦେଖାଗଲେ ମଧ୍ୟ ଅନେକ ସନ୍ଦର୍ଭରେ ଭୁଲ ହୋଇପାରିବା ସମ୍ଭାବନା ରହିଥାଏ
- 1. I ସଠିକ୍; II ସଠିକ୍ ନୁହେଁ
  - 2. I ସଠିକ୍ ନୁହେଁ; II ସଠିକ୍
  - 3. ଉଭୟ I ଏବଂ II ସଠିକ୍
  - 4. ଉଭୟ I ଏବଂ II ସଠିକ୍ ନୁହେଁ

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 125 Question Id : 3922668165 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Because of whose writings, the work of Pythagoras and his disciples became known to the world

1. Epicaramos
2. Hippopotas
3. Phyllodus
4. Architan

କାହାରି ଲେଖାଦ୍ୱାରା ପାଇଥୋଗୋରାସ୍ ଏବଂ ଏହାଙ୍କ ଶିଷ୍ୟମାନଙ୍କ କୃତିତ୍ୱ ପୃଥ୍ବୀକୁ ଜଣାପଡ଼ିଥିଲା

1. ଏପିକାରମସ୍
2. ହିପୋପୋଟାସ୍
3. ଫିଲୋଡସ୍
4. ଆର୍କିଟନ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 126 Question Id : 3922668166 Question Type : MCQ Option Shuffling : No Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

In which year the Indian Government issued the postal stamp for the first time in honor of Srinivasa Ramanujan

ଶ୍ରୀନିବାସ ରାମାନୁଜନଙ୍କ ସମ୍ମାନାର୍ଥେ ଭାରତ ସରକାର ପ୍ରଥମ ଥର ପାଇଁ ଡାକଟିକଟ ପ୍ରଚଳନ କରାଇଥିବା ବର୍ଷ

1. 1962
2. 1987
3. 1992
4. 1997

Options :

1. ✔ 1
2. ✖ 2

3. 3

4. ✖ 4

Question Number : 127 Question Id : 3922668167 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Mathematician who was the first to suggest that letters can be used for unknown quantities

1. Aryabhatta
2. Pythagoras
3. Gauss
4. Archimedes

ଅଜଣା ରାଶିଗୁଡ଼ିକ ପାଇଁ ଅକ୍ଷର ବ୍ୟବହାର କରାଯାଇପାରିବ ବୋଲି ସର୍ବପ୍ରଥମ ଜଣାଇଥିବା ଗଣିତଜ୍ଞ

1. ଆର୍ଯ୍ୟଭଟ୍ଟ
2. ପାଇଥାଗୋରସ୍
3. ଗାସ୍
4. ଆର୍କିମିଡିସ୍

Options :

1. ✔ 1

2. ✖ 2

3. ✖ 3

4. ✖ 4

Question Number : 128 Question Id : 3922668168 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

One of the mathematicians who introduced the School of Intuitionism

1. A.N. White head
2. Bertrand Russell
3. Henri Poincare
4. David Hilbert

ଅନ୍ୟ ପ୍ରଜ୍ଞାବାଦ/ଆଶୂଜ୍ଞାନବାଦକୁ ପରିଚୟ କରାଇଥିବା ଗଣିତଜ୍ଞ

1. ଏ.ଏନ୍. ହାଇଡ଼ ହେଡ଼
2. ବ୍ରାଟାଣ୍ଡ ରସେଲ୍
3. ହେନ୍ରି ପୋଇଙ୍କେର୍
4. ଡେଭିଡ଼ ହିଲ୍ବର୍ଟ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 129 Question Id : 3922668169 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct statements

- I. Understanding : The pupil established relationship between two quantities given in a problem
  - II. Application : The pupil corrected an error in a given concept
- 1. I is correct; II is incorrect
  - 2. I is incorrect; II is correct
  - 3. Both I and II are correct
  - 4. Both I and II are incorrect

ସଠିକ ଉକ୍ତି ଚୟନ କର

- I. ଅବବୋଧ : ଶିକ୍ଷାର୍ଥୀଟି ସମସ୍ୟାରେ ଦିଆଯାଇଥିବା ଦୁଇଟି ରାଶି ମଧ୍ୟରେ ସମ୍ବନ୍ଧ ଛାପନ କଲା
  - II. ବିନିଯୋଗ : ପ୍ରଦତ୍ତ ଧାରଣାରେ ଥିବା ଦୋଷକୁ ଶିକ୍ଷାର୍ଥୀଟି ସଂଶୋଧନ କଲା
- 1. I ସଠିକ୍; II ସଠିକ୍ ନୁହେଁ
  - 2. I ସଠିକ୍ ନୁହେଁ; II ସଠିକ୍
  - 3. ଉଭୟ I ଏବଂ II ସଠିକ୍
  - 4. ଉଭୟ I ଏବଂ II ସଠିକ୍ ନୁହେଁ

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✖ 3
- 4. ✔ 4

Question Number : 130 Question Id : 3922668170 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A scientist who wonders “how mathematics has got so many uses in the world even though it is man made” is

1. Newman
2. Taylor
3. Einstein
4. Hogben

“ଗଣିତ ମାନବକୃତ ହେଲେ ମଧ୍ୟ ଏହାର ଏତେ ପ୍ରକାର ଉପଯୋଗିତା କିପରି ଆସିଲା” ବୋଲି ଆଶ୍ଚର୍ଯ୍ୟ ପ୍ରକାଶ କରିଥିବା ବୈଜ୍ଞାନିକ

1. ନିଉମେନ୍
2. ଟେଲର୍
3. ଆଇନ୍‌ଷ୍ଟାଇନ୍
4. ହଗବେନ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 131 Question Id : 3922668171 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The statement “the student will be able to predict the shape of truncated cone” is the specification of this objective.

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

“ଶିକ୍ଷାର୍ଥୀଟି ଫମ୍ପା ଶିଙ୍ଗୁଟିକୁ କର୍ତ୍ତନ କଲେ ଗଠିତ ହେବା ଚିତ୍ରକୁ ଅନୁମାନ କରିପାରିବା” – ଉଦ୍ଦିଷ୍ଟ ଏହି ଉଦ୍ଦେଶ୍ୟର ସ୍ୱତ୍ୱାବଳୀ

1. କୌଶଳ
2. ଜ୍ଞାନ
3. ବୋଧ
4. ବିନିଯୋଗ

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 132 Question Id : 3922668172 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which of the following is not the principle of curriculum construction?

1. Principle of Difficulty
2. Principle of Flexibility
3. Principle of Utilitarian value
4. Principle of Activity

ନିମ୍ନରୁ ଏହା ପାଠ୍ୟକ୍ରମ ସଂରଚନା ସୂତ୍ର ନୁହେଁ

1. କଠିନତା ସୂତ୍ର
2. ନମନୀୟ ସୂତ୍ର
3. ପ୍ରୟୋଜନୀୟ ମୂଲ୍ୟବୋଧ ସୂତ୍ର
4. କାର୍ଯ୍ୟକଳାପ ସୂତ୍ର

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 133 Question Id : 3922668173 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

If the student learns the concept 'Integers' in the beginning and again after some gap in the class 7, the curriculum organized in the following method

1. Topical Method
2. Concentric Method
3. Logical Method
4. Spiral Method

ଜଣେ ଶିକ୍ଷାର୍ଥୀ "ପୂର୍ଣ୍ଣ ସଂଖ୍ୟା" ନାମକ ଧାରଣାକୁ ସପ୍ତମ ଶ୍ରେଣୀର ଆରମ୍ଭରେ ଏବଂ କିଛିଦିନ ପରେ ପୁଣି ଶିଖିଲେ, ସେହି ପାଠ୍ୟକ୍ରମର ସଂଗଠନ ପଦ୍ଧତି ହେଉଛି

1. ପ୍ରସଙ୍ଗ ପଦ୍ଧତି
2. ଏକକେନ୍ଦ୍ର ପଦ୍ଧତି
3. ତାର୍କିକ ପଦ୍ଧତି
4. ସର୍ପିଳ ପଦ୍ଧତି

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 134 Question Id : 3922668174 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A good mathematics textbook should contain examples that:

1. are extremely complex to challenge students
2. are in accordance with the situation and with clarity
3. are only focus on the gifted students
4. are unrelated to the text to increase difficulties.

ଏକ ଉତ୍ତମ ଗଣିତ ପାଠ୍ୟବହିର ଉଦାହରଣଗୁଡ଼ିକ

1. ଅତି ଜଟିଳ ଥାଇ ଶିକ୍ଷାର୍ଥୀଙ୍କୁ ସବାଳ କଲାଭଳି ରହିବାକୁ ପଡ଼ିବ
2. ସନ୍ଦର୍ଭର ଅନୁସରଣୀୟ ତଥା ସ୍ପଷ୍ଟଭାବେ ରହିବାକୁ ପଡ଼ିବ
3. କେବଳ ପ୍ରତିଭା ସଂପନ୍ନଙ୍କୁ ଦୃଷ୍ଟିରେ ରଖିଲାଭଳି ହୋଇଥିବ
4. ଜଟିଳତା ବଢ଼ାଇବା ପାଇଁ ବିଷୟ ସହ ସମ୍ପର୍କ ରହି ନ ଥିବ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 135 Question Id : 3922668175 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A 'Preface' or 'foreword' at the beginning of a textbook describes the following of the textbook.

- A. Specify the Scope
- B. Specify the advantages
- C. Specify the objectives
- D. Specifies the values

ପାଠ୍ୟବହିର ପ୍ରାରମ୍ଭରେ ଦିଆଯାଉଥିବା “ମୁଖବନ୍ଧ” କିମ୍ବା “ପ୍ରାକ୍ କଥନ” ଭଳି ଅଂଶଗୁଡ଼ିକ ସେହି ବହିର

- A. ପରିଧିକୁ ଜଣାଏ
- B. ଉପକାରିତାକୁ ଜଣାଏ
- C. ଉଦ୍ଦେଶ୍ୟକୁ ଜଣାଏ
- D. ମୂଲ୍ୟବୋଧକୁ ଜଣାଏ

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

Options :

- 1. ✖ 1
- 2. ✖ 2
- 3. ✔ 3
- 4. ✖ 4

Question Number : 136 Question Id : 3922668176 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

What is the role of 'Mistakes and errors' in Heuristic method used in Mathematics teaching?

1. Mistakes and errors are not tolerated
2. Mistakes and errors are seen as failures
3. Mistakes and errors are valuable learning opportunities
4. There is no room for mistakes and errors.

ଗଣିତ ଶିକ୍ଷାଦାନରେ ବ୍ୟବହାର କରୁଥିବା ଆଦେଶଣ ପଦ୍ଧତିରେ ଥିବା “ଭୁଲ୍” ଏବଂ “ତ୍ରୁଟି”ର ଭୂମିକା

1. ଭୁଲ୍ ଏବଂ ତ୍ରୁଟି ଗ୍ରହଣୀୟ ନୁହେଁ
2. ଭୁଲ୍ ଏବଂ ତ୍ରୁଟି ବିଫଳତା ଭାବେ ଗ୍ରହଣ କରାଯାଏ
3. ଭୁଲ୍ ଏବଂ ତ୍ରୁଟି ମୂଲ୍ୟବାନ ଶିକ୍ଷଣ ସୁଯୋଗ ଅଟେ
4. ଭୁଲ୍ ଏବଂ ତ୍ରୁଟି ପାଇଁ ସ୍ଥାନ ନାହିଁ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 137 Question Id : 3922668177 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

‘Education is Life’ - stated by

1. Lord
2. Kil Partrick
3. John Dewey
4. Stevenson

“ଶିକ୍ଷା ହିଁ ଜୀବନ” – କହିଥିବା ବ୍ୟକ୍ତି

1. ଲର୍ଡ
2. କିଲ୍ ପାର୍ଟ୍ରିକ୍
3. ଜନ୍ ଡ୍ୟୁଇ
4. ଷ୍ଟିଭେନ୍ସନ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 138 Question Id : 3922668178 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

When using problem solving in mathematics, which one is the key factor of success?

1. The speed at which a student solves the problem
2. The ability to apply learned concepts to new situations
3. The number of problems that a student can solve in a set time
4. Student's ability to solve problems without any errors.

ଗଣିତରେ ସମସ୍ୟା ସମାଧାନ ପଦ୍ଧତି ସଫଳ ଭାବେ ବ୍ୟବହାର କରିବାରେ ମୁଖ୍ୟ କାରକ

1. ଶିକ୍ଷାର୍ଥୀ ସମସ୍ୟାକୁ ସମାଧାନ କରିବା ବେଗ
2. ଶିଖୁଥିବା ଧାରଣାକୁ ନୂତନ ସନ୍ଦର୍ଭରେ ବିନିଯୋଗ କରିବା ଦକ୍ଷତା
3. ଦତ୍ତ ସମୟ ମଧ୍ୟରେ ଶିକ୍ଷାର୍ଥୀ ଜଣକ ସମାଧାନ କରିପାରିବା ସମସ୍ୟା ସଂଖ୍ୟା
4. କୌଣସି ତ୍ରୁଟି ନ ଥାଇ ସମସ୍ୟା ସାଧନ କରିବା ଦକ୍ଷତା

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 139 Question Id : 3922668179 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

A suitable topic for teaching in project method

1. Area of a circle
2. Pie chart
3. Discount
4. Surface area of a Sphere

ପ୍ରକଳ୍ପ ପଦ୍ଧତିରେ ଶିକ୍ଷାଦାନ ପାଇଁ ଉପଯୁକ୍ତ ପ୍ରସଙ୍ଗ

1. ବୃତ୍ତର କ୍ଷେତ୍ରଫଳ
2. ପାଇ ଚାର୍ଟ
3. ରିହାତି
4. ଗୋଲକର ପୃଷ୍ଠତଳର କ୍ଷେତ୍ରଫଳ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 140 Question Id : 3922668180 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

This is not included in a unit plan.

1. Content analysis
2. Teaching strategies
3. Teaching learning material
4. Evaluation

ଏକକ ଯୋଜନାରେ ଏହାର ସ୍ଥାନ ନାହିଁ ।

1. ବିଷୟ ବିଶ୍ଳେଷଣ
2. ଶିକ୍ଷାଦାନ ବ୍ୟୁତ୍ପନ୍ନ
3. ଶିକ୍ଷାଦାନ ଶିକ୍ଷଣ ସାମଗ୍ରୀ
4. ମୂଲ୍ୟାଙ୍କନ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 141 Question Id : 3922668181 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

“A teaching outline of the important points of a lesson arranged in the order in which they are to be presented, may include objectives, points to be made, questions to ask, references to materials, assessments etc.” This definition for a lesson plan is given by

1. Herbart
2. Good, C.V.
3. Bloom, B.S.
4. Morison

“ଯେଉଁ କ୍ରମରେ ଯୋଗାଇବା କଥା ସେହି କ୍ରମରେ ସଜ୍ଜିତ ଏକ ପାଠର ମୁଖ୍ୟ ବିଷୟ ସମ୍ବନ୍ଧିତ ଶିକ୍ଷାଦାନର ରୂପରେଖ, ଉଦ୍ଦେଶ୍ୟ, ପଟରାଯିବା ପ୍ରଶ୍ନ, ସହାୟକ ସାମଗ୍ରୀ, ଆକଳନ ଇତ୍ୟାଦି କ୍ରମରେ ରହିଥାଏ ।” ପାଠ୍ୟ ଯୋଜନା ସହ ସଂପୃକ୍ତ ଏହି ସଂଜ୍ଞା ପ୍ରଦାନ କରିଥିଲେ

1. ହର୍ବାର୍ଟ
2. ଗୁଡ୍, ସି.ଭି.
3. ବ୍ଲୁମ୍, ବି.ସି.
4. ମୋରିସନ୍

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 142 Question Id : 3922668182 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which of the following is not related to Herbartian steps?

1. Preparation
2. Presentation
3. Response
4. Application

ନିମ୍ନରୁ ଏଇଟି ହର୍ବାର୍ଟଙ୍କ ଯୋପାନ ସହ ସଂପୃକ୍ତ ନୁହେଁ

1. ପ୍ରସ୍ତୁତି
2. ସମର୍ପଣ
3. ପ୍ରତିକ୍ରିୟା
4. ବିନିଯୋଗ

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 143 Question Id : 3922668183 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

“A unit is a large block of related subject matter which can be over viewed by a learner” - stated by

1. Herbart
2. Preston
3. Galton
4. Thurston

“ଶିକ୍ଷାର୍ଥୀ ବିହଙ୍ଗାବଲୋକନ କରିପାରିବା ଭଳି ବୃହତ୍ ଧରଣର ବିଷୟ ଭାଗ ହିଁ ଏକକ” - ଏହା କହିଥିଲେ

1. ହର୍ବାର୍ଟ
2. ପ୍ରେଷ୍ଟନ୍
3. ଗାଲ୍ଟନ୍
4. ଥରଷ୍ଟନ୍

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 144 Question Id : 3922668184 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The influential experience in 'Learning through observation' category of Edgar Dale cone of experience.

1. Motion pictures
2. Demonstrations
3. Field Trips
4. Exhibits

ଏଡ୍‌ଗାର୍ ଡେଲଙ୍କ ଅନୁଭୂତି ଶଙ୍କୁରେ “ପର୍ଯ୍ୟବେକ୍ଷଣ ଦ୍ଵାରା ଶିକ୍ଷଣ” ନାମକ ବିଭାଗକୁ ସମ୍ବନ୍ଧିତ ଅନୁଭୂତିଗୁଡ଼ିକରୁ ପ୍ରଭାବଶାଳୀ ଅନୁଭୂତିଟି

1. ଚଳଚ୍ଚିତ୍ର
2. ପ୍ରଦର୍ଶନ
3. କ୍ଷେତ୍ର ପର୍ଯ୍ୟଟନ
4. ପ୍ରଦର୍ଶନ ବସ୍ତୁ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 145 Question Id : 3922668185 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

According to Edgar Dale's cone of experience, which of the following is correct?

1. More Passive experience – High retention
2. More active experience – High retention
3. More Visual learning experience – High retention
4. More auditory learning experience – High retention

ଏଡ୍ଗାର୍ ଡେଲ୍‌ଙ୍କ ଅନୁଭୂତି ଶିକ୍ଷା ଅନୁଯାୟୀ ନିମ୍ନରୁ ସଠିକଟି

1. ଅଧିକ ନିଷ୍ପେକ୍ଷାମୂଳକ ଅନୁଭୂତି – ଉଚ୍ଚତ ପାରଣ
2. ଅଧିକ ସକ୍ରିୟାମୂଳକ ଅନୁଭୂତି – ଉଚ୍ଚତ ପାରଣ
3. ଅଧିକ ଦୃଶ୍ୟ ଶିକ୍ଷଣ ଅନୁଭୂତି – ଉଚ୍ଚତ ପାରଣ
4. ଅଧିକ ଶ୍ରାବ୍ୟ ଶିକ୍ଷଣ ଅନୁଭୂତି – ଉଚ୍ଚତ ପାରଣ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 146 Question Id : 3922668186 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which of the following has to be considered while selecting teaching learning material?

- A. Price only
- B. Availabilities only
- C. Compatibility Objectives
- D. Popularity

ଶିକ୍ଷାଦାନ ଶିକ୍ଷଣ ସାମଗ୍ରୀ ଚୟନ କଲାବେଳେ ନିମ୍ନରୁ ଏହାକୁ ବିଚାରକୁ ନିଆଯିବ

- A. କେବଳ ମୂଲ୍ୟ
- B. କେବଳ ଉପଲବ୍ଧତା
- C. ସୁସଙ୍ଗତ ଉଦ୍ଦେଶ୍ୟ
- D. ଲୋକପ୍ରିୟତା

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

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 147 Question Id : 3922668187 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The aid used for vocabulary, symbols in the lesson, how to pronounce them or for revision is

1. Peg Board
2. Bulletin Board
3. Geo Board
4. Black Board

ଗୋଟିଏ ପାଠ୍ୟାଂଶରେ ଆସୁଥିବା ଶବ୍ଦଭଣ୍ଡାର, ସଙ୍କେତଗୁଡ଼ିକର ଉଚ୍ଚାରଣ ପଦ୍ଧତି କିମ୍ବା ପୁନରାବୃତ୍ତି ପାଇଁ ଉପଯୋଗୀ ଉପକରଣ

1. ପେଗ୍ ବୋର୍ଡ୍
2. ବୁଲିଟିନ୍ ବୋର୍ଡ୍
3. ଜିଓମେଟ୍ରି ବୋର୍ଡ୍
4. ବ୍ଲାକ୍ ବୋର୍ଡ୍

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 148 Question Id : 3922668188 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which of the following are the enrichment activities for gifted students?

- i. Providing historical developments of various topics
- ii. Appreciation the good work done by them.
- iii. Limiting the divergent thinking perspective.

ନିମ୍ନରୁ ଏହା ପ୍ରତିଭା ସମ୍ପନ୍ନ ଶିକ୍ଷାର୍ଥୀଙ୍କ ପାଇଁ ବିକାଶମୂଳକ କାର୍ଯ୍ୟକ୍ରମ

- i. ବିବିଧ ଶୀର୍ଷକ ସମ୍ପର୍କିତ ଐତିହାସିକ ବିକାଶକୁ ଯୋଗାଇବା
- ii. ସେମାନେ କରିଥିବା ଉତ୍ତମ ପରିଶ୍ରମକୁ ପ୍ରଶଂସା କରିବା
- iii. କେନ୍ଦ୍ରାପସାରୀ ଚିନ୍ତନ ପରିପ୍ରେକ୍ଷୀକୁ ସୀମିତ କରିବା

- 1. i, ii, iii
- 2. i, ii
- 3. ii, iii
- 4. iii, i

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 149 Question Id : 3922668189 Question Type : MCQ Option Shuffling : No

Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Identify the correct statements

- I. Games and laboratory activities are suggested as supplementary material for slow learners
- II. Test items from mathematical Olympiads and national talent tests should be provided as supplementary material for slow learners.

- 1. Both I and II are correct
- 2. I is correct; II is incorrect
- 3. Both I and II are incorrect
- 4. I is incorrect; II is correct

ସଠିକ୍ ଉକ୍ତି ଚୟନ କର

- I. ମନ୍ତବ୍ୟ ଶିକ୍ଷାର୍ଥୀଙ୍କୁ ଅତିରିକ୍ତ ସାମଗ୍ରୀ ଭାବେ କ୍ରୀଡ଼ା ଏବଂ ପରୀକ୍ଷାଗାର କାର୍ଯ୍ୟକଳାପ ପାଇଁ ପ୍ରସ୍ତାବିତ କରାଯାଇଛି
- II. ଗଣିତ ଅଲମ୍ପିୟାଡ଼, ଜାତୀୟ ପ୍ରତିଭା ପରୀକ୍ଷାଗୁଡ଼ିକରୁ ପରୀକ୍ଷା ବିଷୟଗୁଡ଼ିକୁ ମନ୍ତବ୍ୟ ଶିକ୍ଷାର୍ଥୀମାନଙ୍କୁ ଅତିରିକ୍ତ ସାମଗ୍ରୀ ଭାବେ ଯୋଗାଇ ଦିଆଯିବ

- 1. ଉଭୟ I ଏବଂ II ସଠିକ୍
- 2. I ସଠିକ୍; II ସଠିକ୍ ନୁହେଁ
- 3. ଉଭୟ I ଏବଂ II ସଠିକ୍ ନୁହେଁ
- 4. I ସଠିକ୍ ନୁହେଁ; II ସଠିକ୍

Options :

- 1. ✖ 1
- 2. ✔ 2
- 3. ✖ 3
- 4. ✖ 4

Question Number : 150 Question Id : 3922668190 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

To teach slow learners, the teacher must possess this trait

1. Efficient
2. Experienced
3. Subject Expert
4. Resourceful, Efficient, Subject Expert

ମନ୍ତବ୍ୟ ଶିକ୍ଷାର୍ଥୀମାନଙ୍କୁ ଶିକ୍ଷାଦାନ କରୁଥିବା ଶିକ୍ଷକଙ୍କୁ ରହିବା ଲକ୍ଷଣ

1. ଦକ୍ଷ
2. ଅନୁଭୂତି ସମ୍ପନ୍ନ
3. ବିଷୟ ନିପୁଣ
4. ରିସୋର୍ସଫୁଲ୍

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 151 Question Id : 3922668191 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Which of the following is a strategy to improve accuracy

1. Practicing problems with a time limit
2. Skipping difficult problems and returning to them later
3. Encouraging verification of results.
4. Focusing on speed rather than method

ନିମ୍ନରୁ ସଠିକତା ବୃଦ୍ଧି କରିବା ପାଇଁ ଉପଯୋଗୀ ବ୍ୟୁତ୍ପନ୍ନ

1. ନିର୍ଦ୍ଦିଷ୍ଟ ସମୟ ମଧ୍ୟରେ ସମସ୍ୟା ସାଧନ କରିବା
2. କଠିନ ସମସ୍ୟାକୁ ଛାଡ଼ିଦେଇ, ସେଗୁଡ଼ିକୁ ପରେ ଚେଷ୍ଟା କରିବା
3. ଫଳାଫଳକୁ ଯାଞ୍ଚ କରିବା ପାଇଁ ଉତ୍ସାହିତ କରିବା
4. ପଦ୍ଧତି ଠାରୁ ବେଗ ପାଇଁ ଦୃଷ୍ଟି ଦେବା

Options :

1. 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 152 Question Id : 3922668192 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Oral work is considered as important in teaching mathematics.  
Why?

1. Useful in memorizing Principles
2. Encourages active Participation of students and immediate feed back
3. An easy method for teachers to use.
4. Useful for improving hand writing skills

ଗଣିତ ଶିକ୍ଷାଦାନରେ “ମୌଖିକ କର୍ମ” ମୁଖ୍ୟ ଭାବେ ବିବେଚିତ ହୋଇଥାଏ,  
ଯେହେତୁ

1. ସ୍ମୃତିଶକ୍ତିକୁ ମନେପକାଇବାରେ ଉପଯୋଗୀ ହୋଇଥାଏ
2. ଶିକ୍ଷାର୍ଥୀଙ୍କ ସକ୍ରିୟ ଭାଗିଦାରୀ ଏବଂ ତତ୍ତ୍ୱଗତ ପ୍ରତିପୁଷ୍ଟି ପାଇଁ ଉତ୍ସାହିତ କରିଥାଏ
3. ଶିକ୍ଷକମାନେ ବ୍ୟବହାର କରିବା ପାଇଁ ସହଜ ପଦ୍ଧତି ଅଟେ
4. ହାତଲେଖା କୌଶଳ ବୃଦ୍ଧି କରିବାରେ ସାହାଯ୍ୟକାରୀ ହୋଇଥାଏ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 153 Question Id : 3922668193 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes

Correct Marks : 0.5 Wrong Marks : 0

Main aim of using 'Drill work' in teaching mathematics

1. Develops creativity
2. Useful for students to work together in implementation of Complex projects.
3. Replacing the need for conceptual understanding
4. To strengthen the understanding and skill of the students on fundamental mathematical skills.

ଗଣିତ ଶିକ୍ଷାଦାନରେ “ଆବର୍ତ୍ତନ(ଡ୍ରିଲ୍ କାମ)” ବ୍ୟବହାର କରିବାର ମୁଖ୍ୟ ଉଦ୍ଦେଶ୍ୟ

1. ସୃଜନାତ୍ମକତା ବୃଦ୍ଧି କରିବା
2. ସଂକ୍ଳିଷ୍ଟ ପ୍ରକଳ୍ପ କାର୍ଯ୍ୟରେ ଶିକ୍ଷାର୍ଥୀମାନେ ମିଳିମିଶି କାମ କଲା ଭଳି ଦେଖିବା
3. ଧାରଣୀୟ ବୋଧର ଆବଶ୍ୟକତାକୁ ପୂରଣ କରିବା
4. ପ୍ରାଥମିକ ଗଣିତ ପଦ୍ଧତି ପାଇଁ ବୋଧ ଏବଂ କୌଶଳକୁ ରଦ୍ଦିମତ୍ତ କରିବା

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✔ 4

Question Number : 154 Question Id : 3922668194 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A book having 'Kantikaabharanam' Problems which were examples of mathematics order

1. Leelavathi Ganitam
2. Aryabhatteeyam
3. Ganita Saara Sangraham
4. Pancha – Siddantika

ଗଣିତ କ୍ରମେ ପାଇଁ ଉଦାହରଣ ରୂପେ ଥିବା “କଣ୍ଟିକାଭରଣମ୍” ସମସ୍ୟାଗୁଡ଼ିକ ଥିବା ଗ୍ରନ୍ଥ

1. ଲୀଳାବତୀ ଗଣିତ
2. ଆର୍ଯ୍ୟଭଟ୍ଟୀୟମ୍
3. ଗଣିତ ସାର ସଂଗ୍ରହ
4. ପଞ୍ଚ - ସିଦ୍ଧାନ୍ତକା

Options :

1. ✖ 1
2. ✖ 2
3. ✔ 3
4. ✖ 4

Question Number : 155 Question Id : 3922668195 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

The arrangement of triangular numbers belongs to this form of mathematics aesthetic structure

1. Pattern
2. Symmetry
3. Sequence
4. Order

ତ୍ରିଭୁଜୀ ସଂଖ୍ୟାର ସଜ୍ଜାକରଣ ଗାଣିତିକ ସୌନ୍ଦର୍ଯ୍ୟ ଗଠନ ରୂପର ଏହି ବିଷୟ ସହ ସମ୍ପର୍କ

1. ନମୁନା
2. ସୌନ୍ଦର୍ଯ୍ୟ
3. ଅନୁକ୍ରମ
4. କ୍ରମ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 156 Question Id : 3922668196 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Who states the need to Start a Mathematics club in the School

1. NPE - 1986
2. PoA - 1992
3. Kothari Commission
4. Mudaliar Commission

ବିଦ୍ୟାଳୟଗୁଡ଼ିକରେ ଗଣିତ କ୍ଲବ୍‌ଗୁଡ଼ିକ କରିବା ଆବଶ୍ୟକତାକୁ ଜଣାଇଥିବା କମିଟି

1. NPE - 1986
2. PoA - 1992
3. କୋଠାରି କମିଶନ୍
4. ମୁଦାଲିୟର୍ କମିଶନ୍

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 157 Question Id : 3922668197 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Match the following

- |                 |                                                  |
|-----------------|--------------------------------------------------|
| A. Validity     | i. Easy to administer                            |
| B. Reliability  | ii. Measures what it is intended measure         |
| C. Objectivity  | iii. Consistency of results                      |
| D. Practicality | iv. Free from bias and Provide impartial results |

ନିମ୍ନ ବିଷୟଗୁଡ଼ିକୁ ଯୋଡ଼

- |                  |                                            |
|------------------|--------------------------------------------|
| A. ଯୌକ୍ତିକତା     | i. ସହଜରେ ପରିଚାଳନା କରିପାରିବା                |
| B. ବିଶ୍ୱସ୍ତତା    | ii. ମାପନ ଉଦ୍ଦେଶ୍ୟିତ କୁ ହିଁ ମାପନ କରିଥାଏ     |
| C. ବିଷୟନିଷ୍ପତ୍ତି | iii. ଫଳାଫଳର ସ୍ଥିରତା                        |
| D. ବ୍ୟବହାରିକତା   | iv. ବିନା ପକ୍ଷପାତରେ ନିରପେକ୍ଷ ଫଳାଫଳ ଯୋଗାଇଥାଏ |

1. A - ii, B - iii, C - iv, D - i
2. A - ii, B - i, C - iv, D - iii
3. A - ii, B - i, C - iii, D - iv
4. A - i, B - iii, C - ii, D - iv

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 158 Question Id : 3922668198 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

A teacher is interested in assessing both the factual knowledge and critical thinking skills of his student. Which of the following would best serve this purpose?

1. Fill in the blank Questions
2. Essay Questions
3. True / False Questions
4. Short answer Questions

ଜଣେ ଶିକ୍ଷକ ନିଜ ଶିଷ୍ୟାର ବାସ୍ତବ ଜ୍ଞାନ ତଥା ଜଟିଳ ଚିନ୍ତନକୁ ଅନୁଧ୍ୟାନ କରିବା ପାଇଁ ଚାହୁଁଲେ ନିମ୍ନରୁ ସଠିକ୍ ଚୟନଟି

1. ଶୂନ୍ୟସ୍ଥାନ ପୂରଣ ପ୍ରଶ୍ନ
2. ଦୀର୍ଘ ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ
3. ଠିକ୍/ଭୁଲ୍ ପ୍ରଶ୍ନ
4. କ୍ଷୁଦ୍ର ଉତ୍ତର ମୂଳକ ପ୍ରଶ୍ନ

Options :

1. ✖ 1
2. ✔ 2
3. ✖ 3
4. ✖ 4

Question Number : 159 Question Id : 3922668199 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

Which is the best use of diagnostic evaluation?

1. Before going to teach a new lesson
2. When defects are identified during teaching learning process
3. After completion of the teaching
4. Teaching is going on

ଦୁର୍ଗ ନିର୍ଦ୍ଧାରଣ ମୂଲ୍ୟାଙ୍କନର ସଠିକ୍ ଉପଯୋଗଟି

1. ନୂତନ ପାଠ୍ୟାଂଶ ଶିକ୍ଷାଦାନ ଆଗରୁ
2. ଶିକ୍ଷାଦାନ ଶିକ୍ଷଣ ପ୍ରକ୍ରିୟା ଘଟୁଥିବା ସମୟରେ ଦୁର୍ଗକୁ ଲକ୍ଷ୍ୟ କଲାବେଳେ
3. ଶିକ୍ଷାଦାନ ସମ୍ପୂର୍ଣ୍ଣ ହେବା ପରେ
4. ଶିକ୍ଷାଦାନ ଚାଲିଥିବାବେଳେ

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 160 Question Id : 3922668200 Question Type : MCQ Option Shuffling : No  
Display Question Number : Yes  
Correct Marks : 0.5 Wrong Marks : 0

In the process of preparing an evaluation tool, which is the first step

1. Predetermine the Scoring Procedure
2. Identify the objectives of the evaluation
3. Selecting different forms of questions
4. Standardization of the tool with experts

ମୂଲ୍ୟାଙ୍କନ ସାଧନ ପ୍ରସ୍ତୁତିରେ ପ୍ରଥମ ସୋପାନଟି

1. ଗଣନ ପ୍ରକ୍ରିୟାକୁ ପ୍ରାକ୍‌ନିର୍ଣ୍ଣୟ କରିବା
2. ମୂଲ୍ୟାଙ୍କନର ଉଦ୍ଦେଶ୍ୟକୁ ଚିହ୍ନଟ କରିବା
3. ବିଭିନ୍ନ ରକମର ପ୍ରଶ୍ନକୁ ଚୟନ କରିବା
4. ସାଧନକୁ ନିପୁଣମାନଙ୍କ ଦ୍ଵାରା ମାନକୀକରଣ କରିବା

Options :

1. ✖ 1

2. ✔ 2

3. ✖ 3

4. ✖ 4