Indira Gandhi National Tribal University
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ENTRANCE EXAMINATION

CANDIDATE MUSTBRING WHAT THE PAPER OF LANGUAGE TENDER' ENGLISH

Time: Two Hours	Maximum Marks: 100	Total Questions: 100	(50 Marks) Language	(50 Marks) General

Roll No.
Candidate Name
Exam Name : Common Entrance Examination and Female Board
Date of Birth : 27 Apr 1994
Contact Number : +91-00 000
Centre : KANHARI MA
KANHARI MA, DEPARTMENT OF TRAINING AND ORIENTATION, DEPARTMENT OF ADMINISTRATION, SCHOOL, DIRECTORATE OF EDUCATION

Language Name: ENGLISH

Section - 1 (English)

Q.No. 1 Choose the correct verbs in English grammar that completes the sentence.
Ram _____ a book yesterday.

(A) Read
(B) Reads
(C) Reading
(D) Reading

Ans Article Required

Q.No. 2 Read the following passage and then answer the questions given below by choosing the most appropriate option based on what is stated in the passage.

The Impact of Literature on Reading

Literature has a profound impact on shaping world-wide, beliefs, and cultural norms. Through novels, poems, and other literary works, readers are exposed to different perspectives, cultures, and experiences, which broaden their understanding of the world and foster empathy and cross-cultural understanding. Literature also plays a significant role in preserving and transmitting cultural heritage, traditions, and collective memory across generations, ensuring that valuable knowledge and wisdom are passed on to future generations.

What is the impact of literature on reading?

A platform for promoting complacency
Shaping cultural norms
A tool for avoiding critical thinking
Fostering human relationships

Q.No. 3 Read the following passage and then answer the questions given below by choosing the most appropriate option based on what is stated in the passage.

The Impact of Literature on Reading

Literature has a profound impact on shaping world-wide, beliefs, and cultural norms. Through novels, poems, and other literary works, readers are exposed to different perspectives, cultures, and experiences, which broaden their understanding of the world and foster empathy and cross-cultural understanding. Literature also plays a significant role in preserving and transmitting cultural heritage, traditions, and collective memory across generations, ensuring that valuable knowledge and wisdom are passed on to future generations.

What is the impact of literature on reading?

Fostering human relationships
Shaping cultural norms
A platform for promoting complacency
A tool for avoiding critical thinking

Q.No. 4 Choose the correct sentence that completes the sentence.

Fostering human relationships

Q.No. 5 Read the following passage and then answer the questions given below by choosing the most appropriate option based on what is stated in the passage.

The Impact of Literature on Reading

Literature has a profound impact on shaping world-wide, beliefs, and cultural norms. Through novels, poems, and other literary works, readers are exposed to different perspectives, cultures, and experiences, which broaden their understanding of the world and foster empathy and cross-cultural understanding. Literature also plays a significant role in preserving and transmitting cultural heritage, traditions, and collective memory across generations, ensuring that valuable knowledge and wisdom are passed on to future generations.

What is the impact of literature on reading?

Fostering cultural stereotypes
Promoting complacency
Shaping cultural norms
Fostering human relationships

Q.No. 6 Choose the correct sentence that completes the sentence.

Fostering cultural stereotypes

Q.No. 7 Choose the correct sentence that completes the sentence.

Promoting complacency

Q.No. 8 What is the form for "I" person who doesn't do anything?

Nominative
Accusative
Dative
Genitive

Q.No. 9 What is the Synonym for "Pleasant"?

Delightful
Unpleasant
Unhappy
Sad

Q.No. 10 What is the Antonym for "Pleasant"?

Unpleasant
Delightful
Happy
Sad

Q.No. 11 What is the singular form of "Leaves"?

Leaf
Leaves
Leaf's
Leaves'

Q.No. 12 Arrange the following combined sentences into a coherent order:
(1) Ram
(2) Then
(3) Ram
(4) Yesterday
(5) Ram
(6) Mountain

4 5 6 1 2 3
4 5 6 2 1 3
4 5 6 3 1 2
4 5 6 3 2 1

Q.No. 13 Choose the correct verb form to fill in the blank.
Ram _____ a book yesterday.

Read
Reads
Reading
Reads

Q.No. 14 Choose the correct part of speech for the underlined word in the sentence.
The **beach** is filled with people.

Adjective
Adverb
Noun
Verb

Q.No. 15 Choose the correct plural form of "Ram"

Rams
Ram's
Rams'
Ram

Q.No. 16 Choose the correct plural form of "Ram"

Rams
Ram's
Rams'
Ram

Q.No. 17 Choose the correct sentence.

Ram's
Rams'
Ram
Rams

Q.No. 18 Choose the correct sentence.

Rams'
Ram
Rams
Ram's

Q.No. 19 Which adverb is in the past perfect tense?

He is writing letters.
He writes letters.
He wrote letters.
He was writing letters.

Q.No. 20 The verb was spoken by a strong pack of wolves. (Change to active voice)

The lion spoken by a strong pack of wolves.
The strong pack of wolves is spoking the lion.
The lion will be spoken by a strong pack of wolves.
The strong pack of wolves spoken the lion.

Q.No. 21 Choose the suitable prefix which will form a meaningful adjective for the given word.
_____ Mitra

Ami
Ani
Ani
Ami

Q.No. 22 What does the idiom "Kick the bucket" means?

Take a long journey
Make a mistake
Die
Make a mistake

Q.No. 23 Choose the correct sentence that completes the sentence logically and grammatically.
_____ is an art that helps people express their feelings and emotions.

Through painting
Painting
Are Paint
Are Paint

Q.No. 24 Choose the option that best represents the antonym of the underlined word in the sentence.
The **ancient** gaggle consisted of the goose brought the same to the.

Modern
Ancient
Old
Old

Q.No. 25 Fill in the blank with the correctly spelled word.
Ankita practiced piano scales for years to create a beautiful _____ painting.

masterpiece
masterpiece
masterpiece
masterpiece

Q.No. 26 Choose the correct option that completes the sentence logically and grammatically.
_____ I will be going ... this March in the morning.

Ok
Ok
Ok
Ok

Section - 2 (Odia)

Q.No. 27 ଏକ ଗଳ୍ପର ଚରିତ୍ରର ନାମ (ରାମ) ବାରମ୍ବାର ବ୍ୟବହାର ହେଉଥିବା ଦୋଷକୁ ?

ପ୍ରୟୋଗ ବିକାର
ବିଶେଷ୍ୟ ବିକାର
ବିଶେଷଣ ବିକାର
କ୍ରିୟାବିଶେଷଣ ବିକାର

Q.No. 28 ଆକାଶରେ ପୁରିବା ଦିଗ କେଉଁ ?

ପୂର୍ବ
ପଶ୍ଚିମ
ଉତ୍ତର
ଦକ୍ଷିଣ

Q.No. 29 ଦିନ ଅର୍ଥ ... ଏହି ପ୍ରକ୍ରିୟା କେଉଁଟି ବ୍ୟବହାର କରାଯାଏ ?

ବିଶେଷ୍ୟ ଗଣ ବିକାର
ବିଶେଷ୍ୟ
ବିଶେଷ୍ୟ
ବିଶେଷ୍ୟ

Q.No. 30 ଗଣିତରେ 1 ରୁ 100 ପର୍ଯ୍ୟନ୍ତ ସଂଖ୍ୟା ଗୁଣନ କରିବା ପାଇଁ ?

ଫାକ୍ଟରିଆଲ
ଫାକ୍ଟରିଆଲ
ଫାକ୍ଟରିଆଲ
ଫାକ୍ଟରିଆଲ

Q.No. 31 ଅଣ୍ଡାରେ ... ଏହି ପ୍ରକ୍ରିୟା ପ୍ରକୃତି ବ୍ୟବହାର ?

ବିଶେଷ୍ୟ ଗଣ
ବିଶେଷ୍ୟ ଗଣ
ବିଶେଷ୍ୟ
ବିଶେଷ୍ୟ

Q.No. 32 ଚୁଲିରେ ଜଳିବା ଜିନିଷ କେଉଁ ପ୍ରକାର ? ବ୍ୟବହାର କରିବା ଜିନିଷ ଦ୍ୱାରା

ଚିତ୍ର
ଚିତ୍ର
ଚିତ୍ର
ଚିତ୍ର

Q.No. 33 "ବ୍ୟବହାର ଜିନିଷ ଦ୍ୱାରା ଚିତ୍ରିତ ହେଉ ?

ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି

Q.No. 34 ଚିତ୍ରରେ ଦିଆଯାଇଥିବା ଚିତ୍ର କିଏ ?

ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର

Q.No. 35 ଚିତ୍ରକର ଚିତ୍ରକରି ଚିତ୍ର ?

ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି

Q.No. 36 ଚିତ୍ରକରି ଚିତ୍ର ?

ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର

Q.No. 37 ଚିତ୍ରକର ଚିତ୍ର ?

ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି

Q.No. 38 ଚିତ୍ରକରି ଚିତ୍ର ?

ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର

Q.No. 39 ଚିତ୍ରକର ଚିତ୍ର ?

ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି

Q.No. 40 ଚିତ୍ରକରି ଚିତ୍ର ?

ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର

Q.No. 41 ଚିତ୍ରକର ଚିତ୍ର ?

ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି

Q.No. 42 ଚିତ୍ରକରି ଚିତ୍ର ?

ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର

Q.No. 43 ଚିତ୍ରକର ଚିତ୍ର ?

ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି

Q.No. 44 ଚିତ୍ରକରି ଚିତ୍ର ?

ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର

Q.No. 45 ଚିତ୍ରକର ଚିତ୍ର ?

ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି

Q.No. 46 ଚିତ୍ରକରି ଚିତ୍ର ?

ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର

Q.No. 47 ଚିତ୍ରକର ଚିତ୍ର ?

ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି

Q.No. 48 ଚିତ୍ରକରି ଚିତ୍ର ?

ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର

Q.No. 49 ଚିତ୍ରକର ଚିତ୍ର ?

ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି
ଚିତ୍ରକରି

Q.No. 50 ଚିତ୍ରକରି ଚିତ୍ର ?

ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର
ଚିତ୍ରକର

Section - 3 (Arithmetic)

Q.No. 51 What is the LCM of 2, 3 and 5?

30
30
30
30

Q.No. 52 If x:y and y:z are in the ratio of 3:4 and 5:6 respectively, then the ratio of x:y:z is equal to

4:5:6
4:5:6
4:5:6
4:5:6

Q.No. 53 Simplify: 1 × 2(1 + 2) + 3 × 2 =

12
12
12
12

Q.No. 54 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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12
12
12

Q.No. 55 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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12
12
12

Q.No. 56 Simplify: 1 × 2(1 + 2) + 3 × 2 =

12
12
12
12

Q.No. 57 Simplify: 1 × 2(1 + 2) + 3 × 2 =

12
12
12
12

Q.No. 58 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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12
12
12

Q.No. 59 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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12
12

Q.No. 60 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 61 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 62 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 63 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 64 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 65 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 66 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 67 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 68 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 69 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 70 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 71 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 72 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 73 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 74 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 75 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 76 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 77 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 78 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 79 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 80 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 81 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 82 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 83 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 84 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 85 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 86 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 87 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 88 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 89 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 90 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 91 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 92 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 93 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 94 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 95 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 96 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 97 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 98 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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Q.No. 99 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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12
12

Q.No. 100 Simplify: 1 × 2(1 + 2) + 3 × 2 =

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12
12

Q. No. 50 | Q. No. 51

Q. No. 52 A 2-year contract is signed between a company and a contractor for a certain work. The contract contains a clause that the contractor will be paid a bonus of Rs. 5 lakhs if he completes the work in 1 year. The probability that the contractor completes the work in 1 year is 0.4.

If the company is willing to pay a bonus of Rs. 3 lakhs, what is the probability that it will be paid?

कंपनी और ठेकेदार के बीच किसी कार्य के लिए 2-वर्ष का अनुबंध किया गया है। अनुबंध में एक खंड शामिल है कि ठेकेदार को 1 वर्ष में कार्य पूरा करने पर 5 लाख रुपये का बोनस भुगतान किया जाएगा। ठेकेदार 1 वर्ष में कार्य पूरा करने की प्रायिकता 0.4 है।

यदि कंपनी 3 लाख रुपये का बोनस भुगतान करने को तैयार है, तो इसके भुगतान की प्रायिकता क्या है?

(A) 0.4
(B) 0.6
(C) 0.8
(D) 1.0

Q. No. 53 If the cumulative probability of a random variable X is given as $F(x) = 1 - \frac{1}{x^2}$, $x \geq 1$, then the probability density function of X is

(A) $\frac{1}{x^2}$, $x \geq 1$
(B) $\frac{2}{x^2}$, $x \geq 1$
(C) $\frac{2}{x^3}$, $x \geq 1$
(D) $\frac{1}{x^3}$, $x \geq 1$

Q. No. 54 If $\vec{a}$ and $\vec{b}$ are unit vectors and $\vec{c}$ is a vector such that $\vec{a} \times \vec{b} = \vec{c}$ and $\vec{a} \times \vec{c} = \vec{b}$, then $\vec{a} \cdot \vec{b}$ is equal to

यदि $\vec{a}$ और $\vec{b}$ इकाई सदिश हैं और $\vec{c}$ एक सदिश है जिसके लिए $\vec{a} \times \vec{b} = \vec{c}$ और $\vec{a} \times \vec{c} = \vec{b}$, तो $\vec{a} \cdot \vec{b}$ बराबर है

(A) 1
(B) 0
(C) -1
(D) $\frac{1}{2}$

Q. No. 55 The value of $\int_{-\pi/2}^{\pi/2} (\sin^2 x + \cos x)\, dx$ is

$\int_{-\pi/2}^{\pi/2} (\sin^2 x + \cos x)\, dx$ का मान है

(A) $\frac{\pi}{2} + 2$
(B) $\frac{\pi}{2} - 2$
(C) $\pi + 2$
(D) $\pi - 2$

Q. No. 56 If $\begin{vmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{vmatrix} = 0$, then the value of $\begin{vmatrix} 1 & 2 & 3 \\ 2 & 4 & 6 \\ 7 & 8 & 9 \end{vmatrix}$ is

(A) 0
(B) 1
(C) 2
(D) 3

Q. No. 57 The solution of the differential equation $\frac{dy}{dx} = \frac{x+y}{x-y}$ is

अवकल समीकरण $\frac{dy}{dx} = \frac{x+y}{x-y}$ का हल है

(A) $\tan^{-1}\left(\frac{y}{x}\right) - \log(x^2 + y^2) = C$
(B) $\tan^{-1}\left(\frac{y}{x}\right) + \log(x^2 + y^2) = C$
(C) $\tan^{-1}\left(\frac{x}{y}\right) - \log(x^2 + y^2) = C$
(D) $\tan^{-1}\left(\frac{x}{y}\right) + \log(x^2 + y^2) = C$

Q. No. 58 The value of $\int_0^1 \frac{\log(1+x)}{1+x^2}\, dx$ is

$\int_0^1 \frac{\log(1+x)}{1+x^2}\, dx$ का मान है

(A) $\frac{\pi}{8}\log 2$
(B) $\frac{\pi}{4}\log 2$
(C) $\frac{\pi}{2}\log 2$
(D) $\pi \log 2$

Q. No. 59 The value of $\int_0^{\infty} e^{-x^2}\, dx$ is

$\int_0^{\infty} e^{-x^2}\, dx$ का मान है

(A) $\sqrt{\pi}$
(B) $\frac{\sqrt{\pi}}{2}$
(C) π
(D) $\frac{\pi}{2}$

Q. No. 60 If $\begin{vmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 7 & 8 & 9 \end{vmatrix} = 0$, then the value of $\begin{vmatrix} 1 & 2 & 3 \\ 2 & 4 & 6 \\ 7 & 8 & 9 \end{vmatrix}$ is

(A) 0
(B) 1
(C) 2
(D) 3

Q. No. 61 The solution of the differential equation $\frac{dy}{dx} = \frac{x+y}{x-y}$ is

अवकल समीकरण $\frac{dy}{dx} = \frac{x+y}{x-y}$ का हल है

(A) $\tan^{-1}\left(\frac{y}{x}\right) - \log(x^2 + y^2) = C$
(B) $\tan^{-1}\left(\frac{y}{x}\right) + \log(x^2 + y^2) = C$
(C) $\tan^{-1}\left(\frac{x}{y}\right) - \log(x^2 + y^2) = C$
(D) $\tan^{-1}\left(\frac{x}{y}\right) + \log(x^2 + y^2) = C$

Q. No. 62 The value of $\int_0^1 \frac{\log(1+x)}{1+x^2}\, dx$ is

$\int_0^1 \frac{\log(1+x)}{1+x^2}\, dx$ का मान है

(A) $\frac{\pi}{8}\log 2$
(B) $\frac{\pi}{4}\log 2$
(C) $\frac{\pi}{2}\log 2$
(D) $\pi \log 2$

Q. No. 63 The value of $\int_0^{\infty} e^{-x^2}\, dx$ is

$\int_0^{\infty} e^{-x^2}\, dx$ का मान है

(A) $\sqrt{\pi}$
(B) $\frac{\sqrt{\pi}}{2}$
(C) π
(D) $\frac{\pi}{2}$

Section - 25 (General Aptitude)

Q. No. 76 Which one of the underlined parts of the sentence is incorrect?

रेखांकित भागों में से कौन सा गलत है?

"The Judge ordered the prisoner to be released from jail."

(A) The Judge
(B) ordered
(C) the prisoner
(D) released from jail

Q. No. 77 Which one of the following models is found in your computer?

निम्नलिखित में से किस मॉडल का प्रयोग आपके कंप्यूटर में किया जाता है?

(A) Pentium
(B) Celeron
(C) Dual core
(D) Intel

Q. No. 78 Which of the following is not a mammal?

निम्नलिखित में से कौन सा स्तनपायी नहीं है?

(A) Whale
(B) Bat
(C) Shark
(D) Mouse

Q. No. 79 Which one of the following is a mammal?

निम्नलिखित में से कौन सा स्तनपायी है?

(A) Whale
(B) Bat
(C) Shark
(D) Mouse

Q. No. 80 Which one of the following is not a mammal?

निम्नलिखित में से कौन सा स्तनपायी नहीं है?

(A) Whale
(B) Bat
(C) Shark
(D) Mouse

Q. No. 81 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 82 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 83 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 84 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 85 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 86 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 87 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 88 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 89 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 90 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

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(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 91 Which one of the following is the author of the book "Hemayogasastra"?

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(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 92 Which one of the following is the author of the book "Hemayogasastra"?

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(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 93 Which one of the following is the author of the book "Hemayogasastra"?

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(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 94 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 95 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 96 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 97 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

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(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

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(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 99 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Q. No. 100 Which one of the following is the author of the book "Hemayogasastra"?

"हेमयोगशास्त्र" पुस्तक के लेखक हैं?

(A) Hemachandra
(B) Hemajyothi
(C) Hemaraj
(D) Hemalata

Simple Parity Check	ସରଳ ସମତାତା ଯାଞ୍ଚ
Two-dimensional Parity Check	ଦୁ-ମାତ୍ରାବିଶିଷ୍ଟରେ ସମତାତା ଯାଞ୍ଚ

Q.No: 123	Identify the smallest unit of information:	ସୂଚନାର କ୍ଷୁଦ୍ରତମ ଏକକକୁ ଚିହ୍ନଟ କରନ୍ତୁ:
Bit		ବିଟ୍
Nibble		ନିବଲ
Byte		ବାଇଟ୍
block		ବ୍ଲକ୍

Q.No: 124	A set of instructions, data or programs used to operate computers and execute specific tasks :	କମ୍ପ୍ୟୁଟର ଚଳାଇବା ଏବଂ ନିର୍ଦ୍ଦିଷ୍ଟ କାର୍ଯ୍ୟ ସମ୍ପାଦନ କରିବା ପାଇଁ ବ୍ୟବହୃତ ନିର୍ଦ୍ଦେଶାବଳୀ, ତଥ୍ୟ କିମ୍ବା ପ୍ରୋଗ୍ରାମଗୁଡ଼ିକର ଏକ ସେଟ୍ :
Software		ସଫ୍ଟୱେୟାର୍
Computer		କମ୍ପ୍ୟୁଟର
Printer		ପ୍ରିଣ୍ଟର୍
Hardware		ହାର୍ଡୱେୟାର୍

Q.No: 125	What function does data backup serve in terms of computer security?	କମ୍ପ୍ୟୁଟର ସୁରକ୍ଷା ଦୃଷ୍ଟିରୁ ତଥ୍ୟ ବେକଅପ୍‌ର କାର୍ଯ୍ୟ କିଭଳି କରିଥାଏ?
To speed up computers		କମ୍ପ୍ୟୁଟରକୁ ତ୍ୱରାନ୍ୱିତ କରିବା
To maximise network efficiency		ନେଟୱାର୍କ ଦକ୍ଷତାକୁ ସର୍ବାଧିକ କରିବା
To make backup copies of crucial files and guard against data loss		ଗୁରୁତ୍ୱପୂର୍ଣ୍ଣ ଫାଇଲଗୁଡ଼ିକର କପିଗୁଡ଼ିକ ତିଆରି କରିବା ଏବଂ ତଥ୍ୟ ହରାଇବାରୁ ରକ୍ଷା କରିବା
To encrypt network traffic		ନେଟୱାର୍କ ଟ୍ରାଫିକ୍‌କୁ ଏନ୍‌କ୍ରିପ୍ଟ କରିବା

Section - VI (General Science)

Q.No: 126	_____ is a synthetic chemical	_____ ଏକ ସିନ୍ଥେଟିକ୍ ରାସାୟନିକ
Biogas		ବାୟୋ ଗ୍ୟାସ୍
Chlorofluorocarbons		କ୍ଲୋରୋଫ୍ଲୁରୋକାର୍ବନ୍ସ
Gobar gas		ଗୋବର ଗ୍ୟାସ୍
Carbonbonate		କାର୍ବନ୍ ବାଇପ୍ରକ୍ସାଇଡ୍

Q.No: 127	What is a main characteristic property of metals?	ଧାତୁର ଏକ ମୁଖ୍ୟ ବିଶିଷ୍ଟ ଗୁଣ କ'ଣ?
Non-lustrous		ନନ୍ ଲଷ୍ଟରସ୍
Good conductors of heat and electricity		ଉତ୍ତାପ ଏବଂ ବିଦ୍ୟୁତର ସୁପରିବାହୀ
Evaporate easily		ସହଜରେ ବାଷ୍ପୀଭୂତ ହେବା
Liquids at room temperature		କକ୍ଷ ତାପମାତ୍ରାରେ ତରଳ ପଦାର୍ଥ

Q.No: 128	Which component of blood is solely responsible for its characteristic red color?	ରକ୍ତର କେଉଁ ଉପାଦାନ ତାହାର ବିଶିଷ୍ଟିକ ଲାଲ ରଙ୍ଗ ପାଇଁ ଦାୟୀ ହୋଇଥାଏ?
Red blood cells		ରେଡ୍ ବ୍ଲଡ୍ ସେଲ୍ସ
Haemoglobin		ହେମୋଗ୍ଲୋବିନ୍
Plasma		ପ୍ଲାଜମା
White blood cells		ହୋୱାଇଟ୍ ବ୍ଲଡ୍ ସେଲ୍ସ

Q.No: 129	In human beings, fertilization carried outside the body is called	ମଣିଷଙ୍କଠାରେ ଶରୀର ବାହାରେ ହେବା କୃତ୍ରିମଭାବେ ନିଷେକକରଣକୁ କୁହାଯାଏ ।
Parthenogenesis		ପାର୍ଥେନୋଜେନେସିସ୍
Regeneration		ରିଜେନରେସନ୍
Fragmentation		ଫ୍ରାଗମେଣ୍ଟେସନ୍
In vitro fertilisation		ଇନ୍ ଭିଟ୍ରୋ ଫର୍ଟିଲାଇଜେସନ୍

Q.No: 130	The term used for the second generation of tall plants resulting from Mendel's F1 cross is called?	ହିବ୍ରିଡ୍ ଗେଷ୍ଟିର ଦ୍ୱିତୀୟ ପିଢ଼ି ପାଇଁ ବ୍ୟବହୃତ ଶବ୍ଦକୁ ଗୋଟେଷ୍ଟର F1 ହିବ୍ରିଡ୍ ସ୍ୱାରା କୁହାଯାଏ?
Contrasting progeny		କଣ୍ଟ୍ରାସ୍ଟିଙ୍ଗ୍ ପ୍ରୋଜେନି
F2 progeny		F2 ପ୍ରୋଜେନି
Parental plants		ପେରେଣ୍ଟାଲ୍ ପ୍ଲାଣ୍ଟ
F1 progeny		F1 ପ୍ରୋଜେନି

Q.No: 131	Which one of the following substances is a component of natural gas?	ନିମ୍ନଲିଖିତ କେଉଁଟି ମଧ୍ୟରୁ କେଉଁଟି ପ୍ରାକୃତିକ ଗ୍ୟାସର ଉପାଦାନ?
Ethane		ଇଥେନ୍
Acetylene		ଆସେଟିଲିନ୍
Methane		ମିଥେନ୍
Helium		ହିଲିୟମ୍

Q.No: 132	Where does the nervous system receive information and execute actions?	ସ୍ନାୟୁ ପ୍ରଣାଳୀ କେଉଁଠାରେ ସୂଚନା ଗ୍ରହଣ କରେ ଏବଂ କାର୍ଯ୍ୟସମ୍ପାଦନ କରିଥାଏ?
Hormones		ହରମୋନ୍ସ
Muscles		ମାଂସପେଶୀ
Spinal cord		ମେରୁ ମଜ୍ଜା
Glands		ଗ୍ଲାଣ୍ଡ

Q.No: 133	Which of these is a primary source of air pollution?	ଏଗୁଡ଼ିକରୁ କେଉଁଟି ବାୟୁ ପ୍ରଦୂଷଣର ମୂଳ କାରଣ?
Volcanic eruptions		ଆଗ୍ନେୟଗିରି ବିସ୍ଫୋରଣ
Ocean currents		ମହାସାଗର ସ୍ରୋତସମୂହ
Biological emissions		ଜୈବ ନିର୍ଗମନ
Soil erosion		ମୃତ୍ତିକା କ୍ଷୟ

Q.No: 134	Which one of the following shows the correct relationship in terms of reactivity?	ନିମ୍ନଲିଖିତ କେଉଁଟି ପ୍ରତିକ୍ରିୟାଶୀଳତା ଦୃଷ୍ଟିରୁ ସଠିକ ସମ୍ପର୍କ ଦେଖାଏ?
Cd > Zn > Co		*Cd > Zn > Co*
Zn > Co > Cd		*Zn > Co > Cd*
Zn > Cd > Co		**Zn > Cd > Co**
Co > Cd > Zn		*Co > Cd > Zn*

Q.No: 135	Why do specialized cells play a crucial role in regeneration? What is the most likely function of these cells?	ବିଶେଷଜ୍ଞ କୋଷଗୁଡ଼ିକ କାହିଁକି ପୁନର୍ଜନ୍ମରେ ଗୁରୁତ୍ୱପୂର୍ଣ୍ଣ ଭୂମିକା ପ୍ରଦାନ କରନ୍ତି? ଏହି କୋଷଗୁଡ଼ିକର ସମ୍ଭାବ୍ୟ କାର୍ଯ୍ୟ କ'ଣ?
Divide rapidly to generate a large pool of cells for reconstruction		ପୁନ ନିର୍ମାଣ ପାଇଁ ବଡ଼ଆକୁଚିକିର ଏକ ବଡ଼ପୁଲ ସୃଷ୍ଟି କରିବାକୁ ଶୀଘ୍ର ଭାଙ୍ଗି ଯାଆନ୍ତି
Directly transform into different cell types needed for the new organism		ସୁବିଧା ସ୍ୱାରା ପାଇଁ ଆବଶ୍ୟକ ବିଭିନ୍ନ କୋଷ ପ୍ରକାରରେ ସିଧାସଳଖ ରୂପାନ୍ତରିତ ହୋଇଥାଏ
Provide structural support for the regenerating tissues		ପୁନ ନିର୍ମାଣରେ ଥିବା ଟିସୁଗୁଡ଼ିକୁ ସମ୍ବଳନ ସମ୍ବନ୍ଧୀୟ ସହାୟତା ପ୍ରଦାନ କରେ
Secretory molecules that guide the development of regenerated structures		ଗୁପ୍ତ ଅଣୁକୁ ଯାହା ପୁନ ନିର୍ମିତ ସଂରଚନାର ବିକାଶ ପାଇଁ ମାର୍ଗଦର୍ଶନ କରେ

Q.No: 136	A phase of transition from liquid to solid is called _____	ତରଳରୁ କଠିନକୁ ରୂପାନ୍ତରଣ ର ପର୍ଯ୍ୟାୟକୁ _____ କୁହାଯାଏ ।
Evaporating		ଇଭାପୋରେଟିଂ
Freezing		ଫ୍ରିଜିଂ
Boiling		ବଏଲିଂ
Melting		ମେଲ୍ଟିଂ

Q.No: 137	The reaction between hydrochloric acid (HCl)and Zinc (Zn) can be represented as:	ହାଇଡ୍ରୋକ୍ଲୋରିକ୍ -ଏସିଡ୍ (HCl) ଏବଂ ଜିଙ୍କ୍ (Zn) ମଧ୍ୟରେ ପ୍ରତିକ୍ରିୟାକୁ ଦର୍ଶାଇବାର ସମୀକରଣଟି:
5HCl+5Zn→2nCl$_4$+H$_4$		5HCl+5Zn→2nCl$_4$+H$_4$
4HCl+Zn→2nCl+H		4HCl+Zn→2nCl+H
6HCl+6Zn		6HCl+6Zn
2HCl+Zn→2nCl +H$_2$		**2HCl+Zn→2nCl +H$_2$**

Q.No: 138	When a plane mirror is rotated through a certain angle, the reflected ray turns through twice as much and the size of the image is:	ଯେତେବେଳେ ଏକ ସମତଳ ଦର୍ପଣ ର ଏକ ନିର୍ଦ୍ଦିଷ୍ଟ କୋଣ ରେ ଘୂର୍ଣ୍ଣିତ ହୁଏ, ପ୍ରତିଫଳିତ ରଶ୍ମି ପ୍ରତିବିମ୍ବ ଆମଠାରୁ ଦୁଇଗୁଣ ଘୋରିଯାଏ ଏବଂ ପ୍ରତିବିମ୍ବର ଆକାର:
Is tripled		ତ୍ରିଗୁଣ ହୋଇଥାଏ
Is halved		ଅଧା ହୋଇଥାଏ
Does not change		ଯେପରିକି ତୁ ତାହା
Is doubled		ଦ୍ୱିଗୁଣିତ ହୋଇଥାଏ

Q.No: 139	How can autotrophic organisms meet their energy and carbon needs?	ଅଟୋଟ୍ରଫିକ୍ ଜୀବମାନେ କାହାଦ୍ୱାରା ଶକ୍ତି ଏବଂ କାର୍ବନ ଆବଶ୍ୟକତାକୁ ଭିତ୍ତି କରି ପୂରଣ କରନ୍ତି?
Digestion		ହଜମକରଣ
Respiration		ରେସପିରେସନ୍
Excretion		ଏକ୍ସକ୍ରିସନ୍
Photosynthesis		ଫୋଟୋସିନ୍ଥେସିସ୍

Q.No: 140	When soils are too acidic for a particular crop, what can be used to increase the pH to the desired level?	ଗୋଟେବେଳେ ଏକ ନିର୍ଦ୍ଦିଷ୍ଟ ଫସଲ ପାଇଁ ମୃତ୍ତିକା ଅମ୍ଳୀୟ ହେଲେ, pH କୁ ଆବଶ୍ୟକୀୟ ସ୍ତରକୁ ବୃଦ୍ଧି କରିବା ପାଇଁ କି ବ୍ୟବହାର କରାଯାଇପାରେ?
Lime carbonate (limestone)		ଲାଇମ୍ କାର୍ବୋନେଟ୍ (ଚୂନପଥର)
Elemental sulfur		ଏଲିମେଣ୍ଟାଲ୍ ସଲ୍ଫର୍
Iron sulfate		ଆୟରନ୍ ସଲ୍ଫେଟ୍
Aluminum sulfate		ଆଲୁମିନିୟମ୍ ସଲ୍ଫେଟ୍

Q.No: 141	Which of the following is considered an environmentally friendly source of energy due to its low carbon emissions?	ନିମ୍ନ ଅଣୁକାରୀ ନିର୍ଗମନ ପାଇଁ ନିମ୍ନଲିଖିତ କେଉଁଟି ପରିବେଶ ଅନୁକୂଳ ଶକ୍ତି ଉତ୍ସ ଭାବରେ ବିବେଚନା କରାଯାଏ?
Petroleum		ପେଟ୍ରୋଲିୟମ୍
Coal		କୋଇଲା
Oil		ତୈଳ
Solar energy		ସୌରଶକ୍ତି ଏନର୍ଜି

Q.No: 142	In which organelle does the process of aerobic respiration, which involves the breakdown of pyruvate using oxygen, take place ?	କେଉଁ ଅର୍ଗାନେଲରେ ଏରୋବିକ୍ ଶ୍ୱାସକ୍ରିୟା ପ୍ରକ୍ରିୟା ହୁଏ, ଯାହା ଅକ୍ସିଜେନ ବ୍ୟବହାର କରି ପାଇରୁଭେଟ ଭାଙ୍ଗିବା ସହିତ ଜଡ଼ିତ ହୁଏ?
Nucleus		ନ୍ୟୁକ୍ଲିୟସ୍
Mitochondria		ମାଇଟୋକଣ୍ଡ୍ରିଆ
Endoplasmic reticulum		ଏଣ୍ଡୋପ୍ଲାଜମିକ୍ ରେଟିକୁଲମ୍
Cytoplasm		ସାଇଟୋପ୍ଲାଜମ୍

Q.No: 143	What is the form of energy that is stored and transported within cells during cellular respiration?	ସେଲୁଲାରୀ ଶ୍ୱାସକ୍ରିୟା ସମୟରେ କୋଷ ମଧ୍ୟରେ ସଞ୍ଚିତ ଏବଂ ପରିବହନ କରାଯାଉଥିବା ଶକ୍ତି ରୂପ କ'ଣ?
Lactic acid		ଲାକ୍ଟିକ୍ ଏସିଡ୍
ATP (Adenosine Triphosphate)		ଏଟିପି (ଆଡେନୋସାଇନ୍ ଟ୍ରାଇଫସଫେଟ୍)
Pyruvate		ପାଇରୁଭେଟ
Glucose		ଗ୍ଲୁକୋଜ୍

Q.No: 144	In the event of a low wind speed, what backup facilities are recommended for wind energy farms?	କମ୍ ପବନର ବେଳେବେଳେ, ପବନ ଶକ୍ତି ଫାର୍ମଗୁଡ଼ିକ ପାଇଁ କେଉଁ ବ୍ୟବସ୍ଥାକୁ ବିକଳ୍ପ ସୁବିଧା ଭାବେ ବିଚାରକରାଯାଏ?
Additional Windmills		ଅତିରିକ୍ତ ଉଇଣ୍ଡମିଲ୍ସ
Additional wings		ଅତିରିକ୍ତ ୱିଙ୍ଗ୍ସ
Storage cells		ଷ୍ଟୋରେଜ୍ ସେଲ୍ସ
Air turbines		ଏୟାର ଟର୍ବାଇନ୍ସ

Q.No: 145	_____ is produced by an electric current flowing through a conductor.	_____ ଏକ ପରିଚାଳକ ମଧ୍ୟରେ ପ୍ରବାହିତ ହେଉଥିବା ବିଦ୍ୟୁତ ଦ୍ୱାରା ଉତ୍ପନ୍ନ ହୁଏ ।
Resistance		ରେଜିଷ୍ଟାନ୍ସ
Magnetic field		ମାଗନେଟିକ୍ ଫିଲ୍ଡ୍
Electricity		ଇଲେକ୍ଟ୍ରିସିଟି
Waves		ୱେଭ୍ସ

Q.No: 146	_____ is not a conductor of electricity.	_____ ବିଦ୍ୟୁତର କଣ୍ଡକ୍ଟର ନୁହେଁ ।
Distilled water		ଡିଷ୍ଟିଲ୍ଡ୍ ୱାଟର୍
Vinegar		ଭିନେଗାର୍
Salt water		ସଲ୍ଟ ୱାଟର୍
Lime juice		ଲାଇମ୍ ଜୁସ୍

Q.No: 147	Metal that react violently with cold water and the evolved hydrogen catches fire	ଠାଣ୍ଡା ପାଣି ସହିତ ହିଂସ୍ର ଭାବେ ବିକ୍ରିୟା କରୁଥିବାବେଳେ ସୃଷ୍ଟି ହିଡ୍ରୋଜେନ ପ୍ରଜ୍ୱଳିତ କରେ
Iron		ଆୟରନ୍
Magnesium		ମାଗନେସିୟମ୍
Copper		କପର୍
Sodium		ସୋଡିୟମ୍

Q.No: 148	Mosses are classified as	ମସେସ୍‌ଗୁଡ଼ିକ ଶ୍ରେଣୀଭୁକ୍ତ ହୋଇଛି
Bryophytes		ବ୍ରାୟୋଫାଇଟ୍ସ
Fungi		ଫଙ୍ଗି
Algae		ଆଲ୍ଗି
Mollusk		ମଲସ୍କ୍ସ

Q.No: 149	Penicillium belongs to the Kingdom _____	ପେନିସିଲିୟମ୍ _____ ଶ୍ରେଣୀର (Kingdom) ଅଟେ ।
Virae		ଭିରାଏ
Fungi		ଫଙ୍ଗି
Antibiotic		ଆଣ୍ଟିବାୟୋଟିକ୍
Monera		ମୋନେରା

Q.No: 150	_____ is referred to as Ampere.	_____ କୁ ଆମ୍ପେୟର୍ କୁହାଯାଏ ।
The unit of electric current		ଇଲେକ୍ଟ୍ରିକ୍ କରେଣ୍ଟର ଏକକ
The electric battery		ଇଲେକ୍ଟ୍ରିକ୍ ବ୍ୟାଟେରୀ
The electric fuse		ଇଲେକ୍ଟ୍ରିକ୍ ଫ୍ୟୁଜ୍
The electric voltage		ଇଲେକ୍ଟ୍ରିକ୍ ଭୋଲଟେଜ୍