OSSSC EXAMINATION

CANDIDATE RESPONSE SHEET FOR THE POST OF LI,FORESTOR, FOREST GUARD

Roll No.		
Candidate Name		
Exam Name	:	Livestock Inspector,Forester and Forest Guard
Test Date	:	07 May 2024
Test Time	:	12:30 PM
Centre	:	SUNDARGARH-04 (SAI INSTITUTE OF TECHNOLOGY ITI BASTIA, SECTOR 6, ROURKELA, RAURKELA INDUSTRIALSHIP, DIST-SUNDARGARH, ODISHA,INDIA Pin Code:769002)

Correct Option selected | Wrong Option selected | Correct Option | Not Answered

Section - I (English)

Q.No: 1 In the following question, a sentence has been given in Active/Passive Voice. Out of the four alternative suggested, select the one which best expresses the same sentence in Passive/Active Voice.

They have built a perfect dam across the river.

- A perfect dam has been built by them across the river.
- Across the river was a perfect dam.
- A perfect dam should have been built by them.
- Across the river a perfect dam was built.

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

Artificial Intelligence

Artificial Intelligence (AI) refers to the development of computer systems that can perform tasks that typically require human intelligence. These tasks include speech recognition, problem-solving, and decision-making. AI systems use algorithms to analyse data and learn from patterns, improving their performance over time. While AI has the potential to revolutionize various industries, ethical considerations, such as bias in algorithms and job displacement, must be addressed.

What potential does AI have for industries?

- No potential
- Limited potential
- Potential to revolutionize various industries
- Potential for artistic performances

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

Artificial Intelligence

Artificial Intelligence (AI) refers to the development of computer systems that can perform tasks that typically require human intelligence. These tasks include speech recognition, problem-solving, and decision-making. AI systems use algorithms to analyse data and learn from patterns, improving their performance over time. While AI has the potential to revolutionize various industries, ethical considerations, such as bias in algorithms and job displacement, must be addressed.

What ethical considerations are mentioned in the paragraph, regarding AI?

- Increased bias in algorithms
- Lack of job displacement
- Ignoring patterns
- Avoiding speech recognition

Q.No: 4 Read the following paragraph and then answer the questions given below by choosing the most appropriate option based on what is said in the paragraph:

Artificial Intelligence

Artificial Intelligence (AI) refers to the development of computer systems that can perform tasks that typically require human intelligence. These tasks include speech recognition, problem-solving, and decision-making. AI systems use algorithms to analyse data and learn from patterns, improving their performance over time. While AI has the potential to revolutionize various industries, ethical considerations, such as bias in algorithms and job displacement, must be addressed.

Why is job displacement mentioned as an ethical consideration?

- Because it enhances job opportunities
- Because it has no impact on employment
- Due to potential job loss caused by AI
- Ignoring the role of AI in job markets

Q.No: 5 Choose the correct part of speech for the underlined word in the sentence.
He ran quickly to catch the bus.

- Adverb
- Adjective
- Verb
- Noun

Q.No: 6 Choose the opposite of "Harmony"?

- Agreement
- Conflict
- Concord
- Unity

Q.No: 7 Choose the correct term for "A person who studies and records past events":

- Sociologist
- Anthropologists
- Historian
- Geographer

Q.No: 8 What is the present tense of the verb "to speak" in the sentence given below?
Mohan (to speak) _________ very clearly.

- spoken
- spoke
- will speak
- speaks

Q.No: 9 Choose the correct plural of "analysis":

- analysis's
- analyses
- analysises
- analytica

Q.No: 10 Choose the correct article in English grammar that completes the sentence:
I would like to order _____ cup of coffee, please.

- a
- an
- the
- No Article Required

Q.No: 11 Choose the word that means "to praise highly; to speak or write in favour of":

- Reprove
- Laud
- Deprecate
- Condemn

Q.No: 12 Choose the correct part of speech for the underlined word in the sentence.
The teacher assigned a challenging project to the students.

- Verb
- Noun
- Adjective
- Adverb

Q.No: 13 Choose the correct question tag from the four options given, that completes the sentence logically and grammatically:
She can speak Spanish, ___________?

- does he
- can she
- isn't she
- can't she

Q.No: 14 Choose the correct part of speech for the underlined word in the sentence.
The children played happily in the garden.

- Adjective
- Verb
- Adverb
- Noun

Q.No: 15 What does the word "quell" mean?

- Agitate
- Inspire
- Incite
- Suppress

Q.No: 16 Choose the correct option that completes the sentence logically and grammatically:
The students were asked to write a paragraph _______ their favourite book.

- about
- for
- with
- at

Q.No: 17 Fill in the blank with the correctly spelled word:
The mountain climber faced a _________ challenge as he ascended the steep peak.

- Formidable
- Formidible
- Formadable
- Formidabble

Q.No: 18 Identify the sentence in present tense.

- We are watching a movie right now.
- The Taj Mahal was built in the 17th century.
- She will write a letter to her grandmother tomorrow.
- I have been studying for the exam all morning.

Q.No: 19 Identify the correctly punctuated sentence:

- Although tired, she still went to the gym.
- Although, tired she still went to the gym.
- Although tired she still, went to the gym.
- Although tired she still went to the gym!

Q.No: 20 Choose the correct meaning of the idiom or phrase underlined in the sentence:
The new employee was thrown in at the deep end on his first day.

- Allowed to relax
- Given challenging tasks
- Given easy tasks
- Encouraged to take a break

Q.No: 21 Which of the following is in passive voice?

- We played cricket in the park.
- They will build a new bridge.
- She is reading a book.
- The cricket match was played by them in the park.

Q.No: 22 Arrange the following jumbled sentence into a coherent order:

A. Train

B. On

C. Express

D. Arrives

E. Time

F. Always

G. The

- G-A-D-C-F-B-E
- C-A-G-D-B-E-F
- G-C-A-F-D-B-E
- G-B-C-T-D-F

Not Answered

Q.No: 23 Choose the most appropriate synonym for the underlined word in the given sentence.
The dilapidated building stood on the verge of collapse.

- sturdy
- well-maintained
- smart
- ruined

Q.No: 24 Choose the sentence with the correct use of an apostrophe.

- The dogs' bark loudly.
- The dog's bark loudly.
- The dogs bark's loudly.
- The dogs bark loudly's.

Q.No: 25 Choose the correct option that completes the sentence logically and grammatically:
They laughed loudly _______ the funny joke.

- in
- with
- for
- at

Section - II (Odia)

Q.No: 26 'ପ୍ରଣୟ' ଶବ୍ଦର ଗଠନ ରୀତି କିପରିହେବ ?

- ପ୍ର – ନେ + ଅ
- ପ୍ର – ନୀ + ଅ
- ପ୍ର – ନୀ + ୟ
- ପ୍ର – ନେ + ୟ

Q.No: 27 ଅନ୍ୱେଷଣ - ସନ୍ଧି ବିଚ୍ଛେଦ କର ?

- ଅନୁବ୍ + ଈଷଣ
- ଅନୁବ୍ + ଏଷଣ
- ଅନୁ + ଏଷଣ
- ଅନୁ + ଈଷଣ

Q.No: 28 'ଭଲା' ର ବିପରୀତ ଶବ୍ଦ କଣ?

- ପ୍ରକାଶ୍ୟ
- ଠିଆ
- ପୋତା
- ଛିଡା

Q.No: 29 ନିମ୍ନୋକ୍ତ ମଧ୍ୟରୁ କେଉଁଟି ନାମ ବିଶେଷଣର ଅନ୍ତର୍ଭୁକ୍ତ ନୁହେଁ ?

- ସର୍ବନାମ
- ବିଶେଷ୍ୟ
- ଅବ୍ୟୟ
- ସମସ୍ତ

Q.No: 30 ଅଭ୍ୟୁଦୟ - ସନ୍ଧି ବିଚ୍ଛେଦ କଲେ କଣ ହେବ?

- ଅଭ୍ୟୁ + ଦୟ
- ଅଭି + ଉଦୟ
- ଅଭି + ଦୋୟ
- ଅଭି + ଦୟ

Q.No: 31 'ସାରଳା ଦାସ'ଙ୍କୁ ଓଡିଆ ଭାଷାର 'ବ୍ୟାସଦେବ' କୁହାଯାଏ |' ଉକ୍ତିରେ 'ବ୍ୟାସଦେବ' ପଦଟି କେଉଁ ପ୍ରକାର ବିଶେଷ୍ୟ?

- ଜାତିବାଚକ ବିଶେଷ୍ୟ
- ଗୁଣ ବାଚକ ବିଶେଷ୍ୟ
- ବସ୍ତୁ ବାଚକ ବିଶେଷ୍ୟ
- ନାମବାଚକ ବିଶେଷ୍ୟ

Q.No: 32 ଏକ ଘରକିଆ – ଏହି ରୂଢ଼ିଟିର ଅର୍ଥ କ'ଣ?

- ସମାଜରୁ ବାସନ୍ଦ
- ଅଲଗା ରହିବା
- ଭିନ୍ନ ହେବା
- ଗୋଟିଏ ଘରେ ରହିବା

Q.No: 33 ନିମ୍ନରେ ଦିଆଯାଇଥିବା ଭିନ୍ନ ଶବ୍ଦ ଟିକୁ ବାଛ ?

- ଗଜ
- ବାରଣ
- ବିନାୟକ
- କୁଞ୍ଜର

Q.No: 34 କରଛଡା – ଏହି ରୂଢ଼ିଟିର ଅର୍ଥ କ'ଣ?

- ସାଥି ନହେବା
- ଦାୟିତ୍ୱ ନନେବା
- ଅଲଗା ରହିବା
- ଠକିବା

Q.No: 35 'ଉଶୃଙ୍ଖଳ' ର ବିପରୀତ ଶବ୍ଦ କଣ?

- ବିନମ୍ର
- ବିନୀତ
- ଶୃଙ୍ଖଳା
- ଉଦାର

Q.No: 36 'ଶିକ୍ଷକ ହରିକୁ ପାଠ ପଚାରିଲେ |' 'ପଚାରିଲେ' କେଉଁ ପ୍ରକାର କ୍ରିୟା ?

- ଅକର୍ମକ କ୍ରିୟା
- ପ୍ରେରଣାର୍ଥକ କ୍ରିୟା
- ଦ୍ୱିକର୍ମକ କ୍ରିୟା
- ସକର୍ମକ କ୍ରିୟା

Q.No: 37 ନିମ୍ନ ଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି 'ଅତଏବ' ର ସଠିକ ସନ୍ଧି ବିଚ୍ଛେଦ ଅଟେ ?

- ଅତଃ + ଏବ
- ଅତ + ଏବ
- ଅତୋ + ଏବ
- ଅତା + ଏବ

Q.No: 38 ମଧୁର ଦେହ ଭାରି ଖରାପ? ଏଠାରେ 'ଭାରି' ଶବ୍ଦ କି ପ୍ରକାର ବିଶେଷଣ|

- ବିଶେଷଣର ବିଶେଷଣ
- ଅବସ୍ଥାବାଚକ ବିଶେଷଣ
- ତୁଳନାତ୍ମକ ବିଶେଷଣ
- ଗୁଣବାଚକ ବିଶେଷଣ

Q.No: 39 କୃଷ୍ଣ ଗୋପକୁ ନଫେରନ୍ତେ ଯଶୋଦା ଅଧୀର ହେଲେ| ଏଠାରେ 'ନଫେରନ୍ତେ' କି ପ୍ରକାର କ୍ରିୟା ?

- ନାମଧାତୁ କ୍ରିୟା
- ଅସମାପିକା କ୍ରିୟା
- ମିଶ୍ରକ୍ରିୟା
- ସମାପିକା କ୍ରିୟା

Q.No: 40 କମ୍ବଳରୁ ବାଳ ବାଛିବା – ଏହି ରୂଢ଼ିଟିର ଅର୍ଥ କ'ଣ?

- ଅଲଣା କଥା
- ଅଯଥା କଥା କହିବା
- ଅଯଥା ଖର୍ଚ୍ଚ କରିବା
- ବୃଥା ପରିଶ୍ରମ କରିବା

Q.No: 41 ଭୁଲ ଉତ୍ତର ଟି ବାଛ |

- ତପସ୍ + ବିନ୍ = ତପବନୀ
- ମାୟା + ବିନ୍ = ମୟାବିନୀ
- ମେଧା + ବିନ୍ = ମେଧାବିନୀ
- ତେଜସ୍ + ବିନ୍ = ତେଜସ୍ୱିନୀ

Q.No: 42 'ଇଶ' ର ବିପରୀତ ଶବ୍ଦ କଣ?

- ସର୍ବଦା
- ଅବିଶ
- ଅହିଶ
- ଅନିଶ

Q.No: 43 ନିମ୍ନୋକ୍ତ କେଉଁଟି ହ୍ରସ୍ୱସ୍ୱର ?

- ଅ
- ଇ
- ଉ
- ସବୁଗୁଡିକ

Q.No: 44 ନିମ୍ନ ଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ଶାସ୍ତ୍ରୀୟ ଭାରତୀୟ ଭାଷା ନୁହେଁ ?

- ତେଲୁଗୁ
- ପଞ୍ଜାବୀ
- ସଂସ୍କୃତ
- ଓଡିଆ

Q.No: 45 ମୟୂର ସୌନ୍ଦର୍ଯ୍ୟର ପ୍ରତୀକ| ଉକ୍ତିରେ 'ସୌନ୍ଦର୍ଯ୍ୟ' ପଦଟି କେଉଁ ପ୍ରକାର ବିଶେଷ୍ୟ?

- ବସ୍ତୁ ବାଚକ ବିଶେଷ୍ୟ
- ଜାତିବାଚକ ବିଶେଷ୍ୟ
- ଗୁଣ ବାଚକ ବିଶେଷ୍ୟ
- ନାମବାଚକ ବିଶେଷ୍ୟ

Q.No: 46 ଭୌଗୋଳିକ: ଏହି ଶବ୍ଦରେ କେଉଁ ପ୍ରତ୍ୟୟ କେଉଁ ଅର୍ଥରେ ବ୍ୟବହୃତ?

- ଇକ, ଜ୍ଞାନ
- ଓକ ଜ୍ଞାନ
- ଏକ, ଜ୍ଞାନ
- ଈକ, ଜ୍ଞାନ

Q.No: 47 ସଜ ମାଛରେ ପୋକ ପକାଇବା – ଏହି ରୂଢ଼ିଟି କେଉଁ ଅର୍ଥରେ ବ୍ୟବହାର କରାଯାଏ ?

- ଭଲ ଜିନିଷରୁ ଖରାପ ବାହାର କରିବା
- ନିର୍ଦ୍ଦୋଷକୁ ବଦନାମ କରିବା
- ଭଲକାର୍ଯ୍ୟକୁ ଖରାପ କରିବା
- ଅନୁକୂଳ ପରିସ୍ଥିତିରେ ପ୍ରତିକୂଳ ବ୍ୟବହାର

Q.No: 48 ସ୍ୱର ବର୍ଣ୍ଣର ସାଙ୍କେତିକ ରୂପକୁ କଣ କୁହନ୍ତି ?

- ମାତ୍ରା
- ଫଳା
- ଧ୍ୱନି
- ଅବ୍ୟୟ

Q.No: 49 ଅଳସୁଆ ଲୋକମାନେ _________ କୁ ଚେଷ୍ଟା କରନ୍ତି | ଉପଯୁକ୍ତ ରୂଢି ଦ୍ବାରା ଶୂନ୍ୟ ସ୍ଥାନ ପୂରଣ କର|

- ହାତ ଗଣିହେବା
- ଅଠା ବୋଳିବା
- ଚିତା କାଟିବା
- ପରମୁଣ୍ଡରେ ନଡିଆ ବାଡେଇବା

Q.No: 50 'ଅନୁଲୋମ' ର ବିପରୀତ ଶବ୍ଦ କଣ?

- ବିଲୋମ
- ପ୍ରତିଲୋମୀ
- ବିଲୋମୀ
- ଅଲୋମ

Section - III (Arithmetic)

Q.No: 51 Find the value of: 100 - (20 ÷ 2) x 3 = ____.	ମୂଲ୍ୟ ଖୋଜ: 100 - (20 ÷ 2) x 3 = ____.
240	240
270	270
70	70
120	120

Q.No: 52 A can finish a work in 24 days, B in 9 days and C in 12 days. B and C start the work but are forced to leave after 3 days. The remaining work was done by A in:	A 24 ଦିନରେ, B 9 ଦିନରେ ଏବଂ C, 12 ଦିନରେ ଏକ କାର୍ଯ୍ୟ ଶେଷ କରିପାରିବେ | B ଏବଂ C କାମ ଆରମ୍ଭ କରନ୍ତି କିନ୍ତୁ 3 ଦିନ ପରେ ଚାଲିଯିବାକୁ ବାଧ ହୁଅନ୍ତି | ଅବଶିଷ୍ଟ କାର୍ଯ୍ୟ A ଦ୍ୱାରା କରାଯାଇଥିଲା:
5 days	5 ଦିନ
10 days	10 ଦିନ
6 days	6 ଦିନ
8 days	8 ଦିନ
Not Answered	

Q.No: 53 The Least Common Multiple (LCM) of 12 and 20 is ______.	12 ଏବଂ 20 ର ଲଘିଷ୍ଠ ସାଧାରଣ ଗୁଣିତକ (LCM) ହେଉଛି ______ |
120	120
60	60
40	40
24	24

Q.No: 54 I forgot the last digit of a 7-digit telephone number. If the first digit is randomly dialed, what is the probability of dialing the correct number?	ମୁଁ 7 ଅଙ୍କ ବିଶିଷ୍ଟ ଟେଲିଫୋନ୍ ନମ୍ବରର ପ୍ରଥମ ଅଙ୍କ ଭୁଲିଗଲି | ଯଦି ପ୍ରଥମ ଅଙ୍କଟି ଅନିୟମିତ ଭାବରେ ଡାଏଲ୍ ହୁଏ, ସଠିକ୍ ସଂଖ୍ୟା ଡାଏଲ୍ କରିବାର ସମ୍ଭାବନା କେତେ?
7/10	7/10
0	0
1/10	1/10
1/7	1/7

Q.No: 55 The ratio of 6 m to 40 cm is ______.	6 ମିଟରରୁ 40 ସେମି ଅନୁପାତ ______
5:100	5:100
100:5	100:5
15:1	15:1
1:15	1:15
Not Answered	

Q.No: 56 What percent of 6 kilograms is 300 grams?	6 କିଲୋଗ୍ରାମର ଶତକଡା 300 ଗ୍ରାମ କେତେ?
5%	5%
4%	4%
8%	8%
10%	10%

Q.No: 57 In a bag, the ratio of Red marbles to Blue marbles is 4:3. If there are 28 marbles in total, how many Blue marbles are there?	ଏକ ବ୍ୟାଗରେ, ରେଡ୍ ମାର୍ବଲ୍ସ ବ୍ଲୁ ମାର୍ବଲ୍ ସହିତ ଅନୁପାତ 4: 3 | ଯଦି ସମୁଦାୟ 28 ମାର୍ବଲ ଅଛି, ସେଠାରେ କେତେ ବ୍ଲୁ ମାର୍ବଲ ଅଛି?
18	18
14	14
16	16
12	12

Q.No: 58 Find the Highest Common Factor (HCF) of 13, 43 and 91.	13, 43 ଏବଂ 91 ର ଗରିଷ୍ଠ ସାଧାରଣ ଗୁଣନୀୟକ (HCF) କେତେ?
13	13
7	7
1	1
43	43

Q.No: 59 A man drives his motorbike at the speed of 99 km/hour. What distance will he cover in 10 hours?	ଜଣେ ବ୍ୟକ୍ତି ମୋଟରସାଇକେଲକୁ ଘଣ୍ଟା ପ୍ରତି 99 କିଲୋମିଟର ବେଗରେ ଚଲାଇଥାଏ | ସେ 10 ଘଣ୍ଟା ମଧ୍ୟରେ କେତେ ଦୂରତା ଅତିକ୍ରମ କରିବେ?
990km	990km
1000km	1000km
9.9km	9.9km
980km	980km

Q.No: 60 The average of 11 consecutive numbers is 11. What is the largest of these numbers?	କ୍ରମାଗତ 11 ସଂଖ୍ୟାର ହାରାହାରି ହେଉଛି 11| ଏହି ସଂଖ୍ୟାଗୁଡ଼ିକ ମଧ୍ୟରୁ ସବୁଠାରୁ ବଡ଼ କେତେ?
66	66
16	16
121	121
6	6

Q.No: 61 If the cost price of an article is Rs.75 and the selling price is Rs.55, what is the loss percentage? (Approximate)	ଯଦି ଏକ ଆର୍ଟିକିଲର କ୍ରୟ ମୂଲ୍ୟ 75 ଟଙ୍କା ଏବଂ ବିକ୍ରୟ ମୂଲ୍ୟ 55 ଟଙ୍କା, ତେବେ କ୍ଷତି ହାର କେତେ? (ଆନୁମାନିକ)
29.67%	29.67%
28.47%	28.47%
27.78%	27.78%
26.67%	26.67%

Q.No: 62 A can complete a piece of work in 20 days, and B can complete the same work in 30 days. How long will they take together to finish it?	A 20 ଦିନରେ ଏକ କାମ ସଂପୂର୍ଣ୍ଣ କରିପାରିବ, ଏବଂ B ସମାନ କାମ 30 ଦିନରେ ସଂପୂର୍ଣ୍ଣ କରିପାରିବ | ଏହାକୁ ଶେଷ କରିବା ପାଇଁ ସେମାନେ କେତେ ସମୟ ଏକାଠି ନେବେ?
20 days	20 ଦିନ
24 days	24 ଦିନ
30 days	30 ଦିନ
12 days	12 ଦିନ

Q.No: 63 The average of five numbers is 55. If the first four numbers are 75, 60, 95 and 70, what is the fifth number?	ପାଞ୍ଚ ସଂଖ୍ୟାର ହାରାହାରି ହେଉଛି 55। ଯଦି ପ୍ରଥମ ଚାରି ସଂଖ୍ୟା 75, 60, 95 ଏବଂ 70, ତେବେ ପଞ୍ଚମ ସଂଖ୍ୟା କ'ଣ?
25	25
-25	-25
70	70
275	275

Q.No: 64 Two coins are tossed once. Find the probability of getting no tail.	ଦୁଇଟି ମୁଦ୍ରା ଥରେ ଟସ୍ ପଡେ | ଟେଲ୍ (tail) ନ ପାଇବାର ସମ୍ଭାବନା କେତେ?
3/4	3/4
1/2	1/2
1	1

Q.No. 21 Evaluate the following:
$\frac{1}{1+i} + \frac{1}{1-i}$

(a) 1	(a) ১
(b) i	(b) i
(c) -1	(c) -১
(d) -i	(d) -i

Q.No. 22 If the sum of first n terms of an A.P. is $3n^2 + 5n$ and $T_m = 164$, then m = ?

(a) 26	(a) ২৬
(b) 27	(b) ২৭
(c) 28	(c) ২৮
(d) 29	(d) ২৯

Q.No. 23 If a function f(x) satisfies $f(x) + f(\frac{1}{x}) = x + \frac{1}{x}$, $x \neq 0$, then f(x) is equal to

(a) $\frac{x^2+1}{x}$	(a) $\frac{x^2+১}{x}$
(b) $\frac{x^2-1}{x}$	(b) $\frac{x^2-১}{x}$
(c) $\frac{x^2+1}{2x}$	(c) $\frac{x^2+১}{২x}$
(d) $\frac{x^2-1}{2x}$	(d) $\frac{x^2-১}{২x}$

Q.No. 24 If the roots of $x^2 + px + q = 0$ are in the ratio 2:3, then $6p^2 = ?$

(a) 25q	(a) ২৫q
(b) 5q	(b) ৫q
(c) 6q	(c) ৬q
(d) 36q	(d) ৩৬q

Q.No. 25 An arrangement consists of permutations of n objects taken r at a time. If the number of permutations is 720 and the number of permutations of n objects taken (r-1) at a time is 120, then n = ?

(a) 6	(a) ৬
(b) 7	(b) ৭
(c) 8	(c) ৮
(d) 9	(d) ৯

Q.No. 26 If $\begin{vmatrix} x & 2 \\ 3 & x \end{vmatrix} = \begin{vmatrix} 2 & 2 \\ 3 & 2 \end{vmatrix}$, then x = ?

(a) 2	(a) ২
(b) 3	(b) ৩
(c) 4	(c) ৪
(d) 5	(d) ৫

Q.No. 27 Evaluate the following:
$\begin{vmatrix} 1 & 1 & 1 \\ 1 & \omega & \omega^2 \\ 1 & \omega^2 & \omega \end{vmatrix}$

(a) 0	(a) ০
(b) 1	(b) ১
(c) ω	(c) ω
(d) ω^2	(d) $\omega^২$

Q.No. 28 What is the n th term of $1^2 + 2^2 + 3^2 + \ldots$?

(a) $\frac{n(n+1)(2n+1)}{6}$	(a) $\frac{n(n+১)(২n+১)}{৬}$
(b) $\frac{n(n+1)(2n-1)}{6}$	(b) $\frac{n(n+১)(২n-১)}{৬}$
(c) $\frac{n(n-1)(2n+1)}{6}$	(c) $\frac{n(n-১)(২n+১)}{৬}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Q.No. 29 Evaluate the following:
$\begin{vmatrix} 1 & 1 & 1 \\ 1 & -1 & 1 \\ 1 & 1 & -1 \end{vmatrix}$

(a) 1	(a) ১
(b) 2	(b) ২
(c) 3	(c) ৩
(d) 4	(d) ৪

Q.No. 30 What is the n th term of $1^3 + 2^3 + 3^3 + \ldots$?

(a) $\frac{n(n+1)(2n+1)}{6}$	(a) $\frac{n(n+১)(২n+১)}{৬}$
(b) $\frac{n(n+1)(2n-1)}{6}$	(b) $\frac{n(n+১)(২n-১)}{৬}$
(c) $\frac{n(n-1)(2n+1)}{6}$	(c) $\frac{n(n-১)(২n+১)}{৬}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Q.No. 31 Evaluate the following:
$\begin{vmatrix} 1 & 1 & 1 \\ 1 & \omega & \omega^2 \\ 1 & \omega^2 & \omega \end{vmatrix}$

(a) 0	(a) ০
(b) 1	(b) ১
(c) ω	(c) ω
(d) ω^2	(d) $\omega^২$

Q.No. 32 What is the n th term of $1 + 2 + 3 + \ldots$?

(a) $\frac{n(n+1)}{2}$	(a) $\frac{n(n+১)}{২}$
(b) $\frac{n(n+1)(2n+1)}{6}$	(b) $\frac{n(n+১)(২n+১)}{৬}$
(c) $\frac{n(n-1)}{2}$	(c) $\frac{n(n-১)}{২}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Q.No. 33 Evaluate the following:
$\begin{vmatrix} 1 & 1 & 1 \\ 1 & -1 & 1 \\ 1 & 1 & -1 \end{vmatrix}$

(a) 1	(a) ১
(b) 2	(b) ২
(c) 3	(c) ৩
(d) 4	(d) ৪

Q.No. 34 What is the n th term of $1^2 + 2^2 + 3^2 + \ldots$?

(a) $\frac{n(n+1)(2n+1)}{6}$	(a) $\frac{n(n+১)(২n+১)}{৬}$
(b) $\frac{n(n+1)(2n-1)}{6}$	(b) $\frac{n(n+১)(২n-১)}{৬}$
(c) $\frac{n(n-1)(2n+1)}{6}$	(c) $\frac{n(n-১)(২n+১)}{৬}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Q.No. 35 What is the n th term of $1^3 + 2^3 + 3^3 + \ldots$?

(a) $\frac{n(n+1)(2n+1)}{6}$	(a) $\frac{n(n+১)(২n+১)}{৬}$
(b) $\frac{n(n+1)(2n-1)}{6}$	(b) $\frac{n(n+১)(২n-১)}{৬}$
(c) $\frac{n(n-1)(2n+1)}{6}$	(c) $\frac{n(n-১)(২n+১)}{৬}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Q.No. 36 What is the n th term of $1 + 2 + 3 + \ldots$?

(a) $\frac{n(n+1)}{2}$	(a) $\frac{n(n+১)}{২}$
(b) $\frac{n(n+1)(2n+1)}{6}$	(b) $\frac{n(n+১)(২n+১)}{৬}$
(c) $\frac{n(n-1)}{2}$	(c) $\frac{n(n-১)}{২}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Q.No. 37 If $\begin{vmatrix} x & 2 \\ 3 & x \end{vmatrix} = \begin{vmatrix} 2 & 2 \\ 3 & 2 \end{vmatrix}$, then x = ?

(a) 2	(a) ২
(b) 3	(b) ৩
(c) 4	(c) ৪
(d) 5	(d) ৫

Q.No. 38 Evaluate the following:
$\begin{vmatrix} 1 & 1 & 1 \\ 1 & \omega & \omega^2 \\ 1 & \omega^2 & \omega \end{vmatrix}$

(a) 0	(a) ০
(b) 1	(b) ১
(c) ω	(c) ω
(d) ω^2	(d) $\omega^২$

Q.No. 39 What is the n th term of $1 + 2 + 3 + \ldots$?

(a) $\frac{n(n+1)}{2}$	(a) $\frac{n(n+১)}{২}$
(b) $\frac{n(n+1)(2n+1)}{6}$	(b) $\frac{n(n+১)(২n+১)}{৬}$
(c) $\frac{n(n-1)}{2}$	(c) $\frac{n(n-১)}{২}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Q.No. 40 Evaluate the following:
$\begin{vmatrix} 1 & 1 & 1 \\ 1 & -1 & 1 \\ 1 & 1 & -1 \end{vmatrix}$

(a) 1	(a) ১
(b) 2	(b) ২
(c) 3	(c) ৩
(d) 4	(d) ৪

Q.No. 41 What is the n th term of $1^2 + 2^2 + 3^2 + \ldots$?

(a) $\frac{n(n+1)(2n+1)}{6}$	(a) $\frac{n(n+১)(২n+১)}{৬}$
(b) $\frac{n(n+1)(2n-1)}{6}$	(b) $\frac{n(n+১)(২n-১)}{৬}$
(c) $\frac{n(n-1)(2n+1)}{6}$	(c) $\frac{n(n-১)(২n+১)}{৬}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Q.No. 42 What is the n th term of $1^3 + 2^3 + 3^3 + \ldots$?

(a) $\frac{n(n+1)(2n+1)}{6}$	(a) $\frac{n(n+১)(২n+১)}{৬}$
(b) $\frac{n(n+1)(2n-1)}{6}$	(b) $\frac{n(n+১)(২n-১)}{৬}$
(c) $\frac{n(n-1)(2n+1)}{6}$	(c) $\frac{n(n-১)(২n+১)}{৬}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Q.No. 43 What is the n th term of $1 + 2 + 3 + \ldots$?

(a) $\frac{n(n+1)}{2}$	(a) $\frac{n(n+১)}{২}$
(b) $\frac{n(n+1)(2n+1)}{6}$	(b) $\frac{n(n+১)(২n+১)}{৬}$
(c) $\frac{n(n-1)}{2}$	(c) $\frac{n(n-১)}{২}$
(d) $\frac{n(n-1)(2n-1)}{6}$	(d) $\frac{n(n-১)(২n-১)}{৬}$

Section - 21 (General Knowledge)

Q.No. 44 What is Japan's rank in the Peace Index of Asia?

(a) 1st	(a) ১ম
(b) 2nd	(b) ২য়
(c) 3rd	(c) ৩য়
(d) 4th	(d) ৪র্থ

Q.No. 45 Which airline is the Indian constitution is concerned with?

(a) Air India	(a) এয়ার ইন্ডিয়া
(b) Indian Airlines	(b) ইন্ডিয়ান এয়ারলাইন্স
(c) Indian Oil Co	(c) ইন্ডিয়ান অয়েল কো
(d) None of the above	(d) উপরের কোনটি নয়

Q.No. 46 The phenomenon of high and low tides is due to the gravitational pull of the

(a) Sun	(a) সূর্য
(b) Moon	(b) চন্দ্র
(c) Sun and Moon	(c) সূর্য ও চন্দ্র
(d) Earth	(d) পৃথিবী

Q.No. 47 Which Sport did Sabina Ahmed in the year _____?

(a) Cycling	(a) সাইকেলিং
(b) Rowing	(b) রোয়িং
(c) Swimming	(c) সাঁতার
(d) Boxing	(d) মুষ্টিযুদ্ধ

Q.No. 48 What is the approximate land area of Israel?

(a) 20,770 square km	(a) ২০,৭৭০ বর্গ কিমি
(b) 30,770 square km	(b) ৩০,৭৭০ বর্গ কিমি
(c) 40,770 square km	(c) ৪০,৭৭০ বর্গ কিমি
(d) 50,770 square km	(d) ৫০,৭৭০ বর্গ কিমি

Q.No. 49 Which is the World's largest island that is not a continent?

(a) Australia	(a) অস্ট্রেলিয়া
(b) Madagascar	(b) মাদাগাস্কার
(c) Greenland	(c) গ্রিনল্যান্ড
(d) Borneo	(d) বোর্নিও

Q.No. 50 Which of the following is the process of photosynthesis in which the energy from the sun is used to produce carbohydrates from carbon dioxide and water?

(a) Photosynthesis	(a) সালোকসংশ্লেষণ
(b) Photosynthesis	(b) সালোকসংশ্লেষণ
(c) Photosynthesis	(c) সালোকসংশ্লেষণ
(d) Photosynthesis	(d) সালোকসংশ্লেষণ

Q.No. 51 The extreme TB focus other are in Asia, Africa and Eastern Europe, which region accounts for 25% of global TB cases?

(a) Eastern Mediterranean	(a) পূর্ব ভূমধ্যসাগরীয়
(b) South-East Asia	(b) দক্ষিণ-পূর্ব এশিয়া
(c) Western Pacific	(c) পশ্চিম প্রশান্ত
(d) Africa	(d) আফ্রিকা

Q.No. 52 The Centre Minister Who is the Author of Andha Khanoon?

(a) Sajjad Zahir	(a) সজ্জাদ জহির
(b) Sajjad Zahir	(b) সজ্জাদ জহির
(c) Sajjad Zahir	(c) সজ্জাদ জহির
(d) Sajjad Zahir	(d) সজ্জাদ জহির

Q.No. 53 Which of the following is the author of Bangla Bhasher Itihas?

(a) Nurul Momen	(a) নূরুল মোমেন
(b) Nurul Momen	(b) নূরুল মোমেন
(c) Nurul Momen	(c) নূরুল মোমেন
(d) Nurul Momen	(d) নূরুল মোমেন

Q.No. 54 Which Company recently changed its name to ?

(a) Facebook	(a) ফেসবুক
(b) Facebook	(b) ফেসবুক
(c) Facebook	(c) ফেসবুক
(d) Facebook	(d) ফেসবুক

Q.No. 55 Who is the chemical symbol for which element?

(a) Sodium	(a) সোডিয়াম
(b) Sodium	(b) সোডিয়াম
(c) Sodium	(c) সোডিয়াম
(d) Sodium	(d) সোডিয়াম

Q.No. 56 Which Country has its commencement on

(a) 1st January	(a) ১লা জানুয়ারি
(b) 1st January	(b) ১লা জানুয়ারি
(c) 1st January	(c) ১লা জানুয়ারি
(d) 1st January	(d) ১লা জানুয়ারি

Q.No. 57 Who is the Author of The Horse Thief?

(a) Ali Tariq	(a) আলী তারিক
(b) Ali Tariq	(b) আলী তারিক
(c) Ali Tariq	(c) আলী তারিক
(d) Ali Tariq	(d) আলী তারিক

Section - 22 (Computer Knowledge)

Q.No. 58 Which of the following, if anytime also is Malicious?

(a) Virus	(a) ভাইরাস
(b) Virus	(b) ভাইরাস
(c) Virus	(c) ভাইরাস
(d) Virus	(d) ভাইরাস

Q.No. 59 What is an accuracy system which allows you to enter data directly into the computer?

(a) Keyboard	(a) কীবোর্ড
(b) Keyboard	(b) কীবোর্ড
(c) Keyboard	(c) কীবোর্ড
(d) Keyboard	(d) কীবোর্ড

Q.No. 60 Which of the following is not a part of the CPU?

(a) Hard Disk	(a) হার্ড ডিস্ক
(b) Hard Disk	(b) হার্ড ডিস্ক
(c) Hard Disk	(c) হার্ড ডিস্ক
(d) Hard Disk	(d) হার্ড ডিস্ক

Q.No. 61 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 62 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 63 Which of the following is not a part of the CPU?

(a) Hard Disk	(a) হার্ড ডিস্ক
(b) Hard Disk	(b) হার্ড ডিস্ক
(c) Hard Disk	(c) হার্ড ডিস্ক
(d) Hard Disk	(d) হার্ড ডিস্ক

Q.No. 64 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 65 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 66 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 67 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 68 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 69 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 70 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 71 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 72 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 73 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 74 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 75 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 76 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 77 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
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(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 78 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 79 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
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(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 80 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 81 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 82 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 83 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 84 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 85 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 86 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 87 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 88 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
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(c) Spell Check	(c) স্পেল চেক
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Q.No. 89 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
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(c) Spell Check	(c) স্পেল চেক
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Q.No. 90 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
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(d) Spell Check	(d) স্পেল চেক

Q.No. 91 Which of the following is a feature of word processing?

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(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

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(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 93 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
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(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 94 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 95 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 96 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
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(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 97 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 98 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 99 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
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(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

Q.No. 100 Which of the following is a feature of word processing?

(a) Spell Check	(a) স্পেল চেক
(b) Spell Check	(b) স্পেল চেক
(c) Spell Check	(c) স্পেল চেক
(d) Spell Check	(d) স্পেল চেক

To identify specific location in a document	ଏକ ଦଲିଲରେ ନିର୍ଦ୍ଦିଷ୍ଟ ସ୍ଥାନ ଚିହ୍ନଟ କରିବା
To correct the spellings	ବନାନ ସଂଶୋଧନ କରିବା ପାଇଁ

Section - VI (General Science)

Q.No: 126	What is the term used to describe organisms that obtain their nutrition from dead organic matter?	ମୃତ ଜୈବିକ ପଦାର୍ଥରୁ ଖାଦ୍ୟାହାର ଯୋଗାଣ ପ୍ରାପ୍ତ କୁଣ୍ଡାଣୁକୁ କୀଟାଣୁକୁ ବର୍ଣ୍ଣନା କରିବା ପାଇଁ ବ୍ୟବହୃତ ଶବ୍ଦ କ'ଣ?
Saprophytes	ସାପ୍ରୋଫାଇଟ୍ସ
Biomagnification	ଜୈବଆମପ୍ଲିଫିକେସନ୍
Heterotrophs	ହେଟେରୋଟ୍ରଫ୍ସ
Autotrophs	ଅଟୋଟ୍ରଫ୍ସ

Q.No: 127	Animals that give birth to live young, having developed inside the mother's body, are called:	ଯେଉଁ ପ୍ରାଣୀମାନେ ମାଆ ଶରୀର ଭିତରେ ବିକଶିତ ହୋଇ ଯୌବନରେ ଜନ୍ମିବା ପରି ଜୀବ ଜନ୍ମ ଦିଅନ୍ତି, ସେମାନଙ୍କୁ ବୁଝାଯାଏ:
Oviparous	ଡିମ୍ବପୋଷକ
Asexual	ଏସେକ୍ସୁଆଲ
Viviparous	ଭିଭିପାରସ
Marsupials	ମାର୍ସୁପିୟାଲ

Q.No: 128	The process of mechanically breaking down food in the mouth is primarily done by:	ମାଣ୍ଡିବା ଭାବରେ ଖାଦ୍ୟର ଯାନ୍ତ୍ରିକଭାବେ ଭାଙ୍ଗିବା ପ୍ରକ୍ରିୟା ମୁଖ୍ୟତଃ ନିମ୍ନଲିଖିତଙ୍କ ଦ୍ୱାରାହେଉଛି:
Stomach acid	ଗେଟେ ଏସିଡ୍
Mucus	ମୁକସ୍
Enzymes	ଏନଜାଇମ୍ସ
Teeth and tongue	ଦାନ୍ତ ଓ ଜିଭ

Q.No: 129	What role does the stamen play in the fertilization process?	ଫର୍ଟିଲାଇଜେସନ୍ ପ୍ରକ୍ରିୟାରେ ଷ୍ଟାମେନ୍ କ'ଣ ଭୂମିକା ଗ୍ରହଣ କରେ?
It produces yellowish pollen grains	ଏହା ହଳଦିଆ ପରାଗ କଣା ଉତ୍ପାଦନ କରେ
It serves as the male gamete	ଏହା ପୁରୁଷ ଗେମେଟଙ୍କ ଭାବରେ କାର୍ଯ୍ୟ କରେ
It contains the stigma	ଏଥିରେ ବିଞ୍ଚା ଅଛି
It produces ovules	ଏହା ଅଣ୍ଡବୋଷ ଉତ୍ପାଦନ କରିଥାଏ

Q.No: 130	Which of the following statements is TRUE about hydroelectric power?	ଜଳବିଦ୍ୟୁତ ଶକ୍ତି ବିଷୟରେ ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁ ବିବୃତି ସତ୍ୟ?
It does not have any environmental impacts.	ଏଥିରେ କୌଣସି ପରିବେଶ ଭାବରେ ପ୍ରଭାବ ନାହିଁ ।
It utilizes the energy of moving water.	ଏହା ଚାଲୁଥିବା ଜଳର ଶକ୍ତିକୁ ବ୍ୟବହାର କରିଥାଏ ।
It relies on the burning of fossil fuels.	ଏହା ଜୀବାଶ୍ମ ଜଳର ଜାଳେଇବା ଉପରେ ନିର୍ଭର କରେ ।
It is a non-renewable source of energy.	ଏହା ଶକ୍ତିର ଏକ ଅଣ-ନବୀକରଣଯୋଗ୍ୟ ଉତ୍ସ ।

Q.No: 131	The heart is located in the:	ହୃଦୟରେ ଏହାର ଅବସ୍ଥିତି:
Abdominal cavity, behind the stomach	ଗେଟେ ପଛରେ, ଗେଟେ ପେଟରେ
Chest cavity, slightly left of the center	ଛାତି ଗହ୍ୱର, କେନ୍ଦ୍ରରୁ ସାମାନ୍ୟ ବାମ
Head, near the brain	ମୁଣ୍ଡ, ମସ୍ତିଷ୍କ ନିକଟରେ
Pelvic cavity, near the bladder	ପେଲଭିକ୍ ଗହ୍ୱର, ମୂତ୍ରାଶୟ ନିକଟରେ

Q.No: 132	Which among the following is the cause for twinkling of stars?	ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ତାରାର ଝାଉଁଳା କାରଣ ଅଟେ?
Refraction	ପ୍ରତିସରଣ
Diffraction	ବିଚ୍ଛୁରଣ
Scattering	ବିକିରଣ
Atmospheric refraction	ବାୟୁମଣ୍ଡଳୀୟ ପ୍ରତିସରଣ

Q.No: 133	_____ is an most important aspect in natural resource management	ପ୍ରାକୃତିକ ସମ୍ବଳ ପରିଚାଳନାରେ _____ ଏକ ଗୁରୁତ୍ୱପୂର୍ଣ୍ଣ ଦିଗ
Involvement of the government	ସରକାରଙ୍କ ଜଡ଼ିତତା
Participation of the hospitals	ହସ୍ପିଟାଲର ଅଂଶଗ୍ରହଣ
Participation of land lords	ଜମି ମାଲିକଙ୍କ ଅଂଶଗ୍ରହଣ
Community participation	ସମୁଦାୟ ଅଂଶଗ୍ରହଣ

Q.No: 134	Which of the following is an example of good conductors of electricity?	ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ବିଦ୍ୟୁତର ସୁପରିଚାଳକୀ ର ଉଦାହରଣ ଅଟେ?
Rubber	ରବର
Wood	କାଠ
Graphite	ଗ୍ରାଫାଇଟ
Plastic	ପ୍ଲାଷ୍ଟିକ

Q.No: 135	What is the outermost layer of the brain, responsible for consciousness, thought, and memory?	ଚେତନା, ଚିନ୍ତା ଓ ସ୍ମୃତି ପାଇଁ ଦାୟୀ ମସ୍ତିଷ୍କର ବାହୁଡ଼ାରୁ ବାହାର ସ୍ତର କ'ଣ?
Cerebellum	ସେରେବେଲିୟମ୍
Cerebral cortex	ସେରିବ୍ରାଲ କର୍ଟେକ୍ସ
Brainstem	ମସ୍ତିଷ୍କଗଣ୍ଡୀ
Thalamus	ଥାଲାମସ୍

Q.No: 136	What type of oxide is obtained when metal reacts with oxygen?	ଧାତୁବେଳେବେଳେ ଅମ୍ଳଜାନ ସହିତ ପ୍ରତିକ୍ରିୟା କରେ ସେତେବେଳେବେଳେ କେଉଁ ପ୍ରକାରର ଅକ୍ସାଇଡ୍ ପ୍ରାପ୍ତ ହୁଏ?
Neutral oxides	ନିରପେକ୍ଷ ଅକ୍ସାଇଡ୍
Metal oxides	ଧାତବୀୟ ଅକ୍ସାଇଡ୍
Acidic oxides	ଏସିଡିକ୍ ଅକ୍ସାଇଡ୍
Amphoteric oxides	ଏମ୍ଫୋଟେରିକ ଅକ୍ସାଇଡ

Q.No: 137	What is the characteristic property of an acid?	ଏସିଡ୍ ର ବିଶେଷତ୍ୱ କ'ଣ?
Turns litmus paper red	ଲିଟମସ୍ କାଗଜକୁ ଲାଲି କରିଦିଏ ।
Turns litmus paper blue	ଲିଟମସ୍ କାଗଜକୁ ନୀଳ କରିଦିଏ ।
Feels slippery	ଚିକଣା ଅনুଭବ କରେ
Conducts electricity well	ବିଦ୍ୟୁତ୍ ଭଲ ପରିଚାଳନା କରିଥାଏ ।

Q.No: 138	The brain and spinal cord are the main components of the:	ମସ୍ତିଷ୍କ ଏବଂ ଏହାର ମୂଳ୍ୟ ଉପାଦାନ:
Respiratory system	ଶ୍ୱାସ କ୍ରିୟା ପ୍ରଣାଳୀ
Circulatory system	ରକ୍ତ ସଞ୍ଚାଳନ ପ୍ରଣାଳୀ
Endocrine system	ଏଣ୍ଡୋକ୍ରାଇନ ସିଷ୍ଟମ୍
Nervous system	ସ୍ନାୟବୀୟ ପ୍ରଣାଳୀ

Q.No: 139	Pick one of the following groups that contain only biodegradable items?	ନିମ୍ନଲିଖିତ ଯୋଷୀମାନଙ୍କୁ ଯେଉଁଟି ବଛନ୍ତୁ ଯେଉଁଗୁଡ଼ିକରେ କେବଳ ବାୟୋଡିଗ୍ରେଡେବଲ୍ ଅଛନ୍ତି ଅଛି?
Grass, metal cans , wood	ଘାସ, ଧାତବ କାନ୍ଦ ଏବଂ କାଠ
Grass, wood and plastic	ଘାସ, କାଠ ଓ ପ୍ଲାଷ୍ଟିକ
Fruit-peels, egg shells and lime-juice	ଫଳ-ଖୋସା, ଅଣ୍ଡା ଖୋପା ଓ ଲେବୁ ରସ
Flowers, grass and artificial leather	ଫୁଲ, ଘାସ ଓ କୃତ୍ରିମ ଚମଡ଼ା

Q.No: 140	The unit of electrical resistance is:	ବୈଦ୍ୟୁତିକ ପ୍ରତିରୋଧର ଏକକ ହେଉଛି:
Ampere	ଏମ୍ପିୟର
Watt	ୱାଟ
Volt	ଭୋଲ୍ଟ
Ohm	ଓହମ୍

Q.No: 141	What type of heart structure does a Pigeon have?	କବୁତର ରେଖି ପ୍ରଜାତିର ର ହୃଦପିଣ୍ଡ କେଉଁ ଆକାର ଅଟେ?
Four-chamber heart	ଚାରି କୋଠରୀ ହୃଦପିଣ୍ଡ
Two-chamber heart	ଦୁଇ କୋଠରୀ ହୃଦପିଣ୍ଡ
Three-chamber heart	ତିନି କୋଠରୀ ହୃଦପିଣ୍ଡ
Five-chamber heart	ପାଞ୍ଚ କୋଠରୀ ହୃଦପିଣ୍ଡ

Q.No: 142	The Vienna Convention is related to	ଭିୟେନା ସମ୍ମେଳନୀ _____ ସମ୍ପର୍କୀୟ।
Ozone layer	ଓଜୋନ୍ ସ୍ତର
Fossil fuels	ଜୀବାଶ୍ମ ଇନ୍ଧନ
Endangered species	ବିପନ୍ନ ପ୍ରଜାତି
Greenhouse gas	ଗ୍ରୀନ୍ ହାଉସ୍ ଗ୍ୟାସ୍

Q.No: 143	What is the name given to a substance that can neutralize an acid?	ଏସିଡ୍ ନିଷ୍କ୍ରିୟ କରିପାରୁଥିବା ପଦାର୍ଥକୁ କ'ଣ ନାମ ଦିଆଯାଏ?
Catalyst	କାଟାଲିଷ୍ଟ
Indicator	ଇଣ୍ଡିକେଟର
Base	ଆଧାର
Acid	ଏସିଡ୍

Q.No: 144	As per the five kingdom system of biological classification, a biologist would classify 'Cusculta' under	ବୈଜିକ ବର୍ଗୀକରଣର ପାଞ୍ଚଟି ରାଜ୍ୟ ବ୍ୟବସ୍ଥା ଅନୁଯାୟୀ 'କସ୍କୁଟା' ଜୀବବିଜ୍ଞାନୀ _____ ଅଧୀନରେ ବର୍ଗୀକୃତ କରିପାରେ।
Slime Mould	ସ୍ଲିମ୍ମ ମୋଲ୍ଡ
Phycomycetes	ଫାଇକୋମାଇସେଟସ୍
Ascomycetes	ଆସ୍କୋମାଇସେଟସ୍
Plantae	ପ୍ଲାଣ୍ଟେ ପ୍ଲାଣ୍ଟେ

Q.No: 145	What is the difference between the live wire and neutral wire in India?	ଭାରତରେ ଲାଇଭ୍ ତାର ଏବଂ ନ୍ୟୁଟ୍ରାଲ ତାର ମଧ୍ୟରେ ପାର୍ଥକ୍ୟ କ'ଣ?
400 V	**400 V**
220 V	**220 V**
300 V	**300 V**
350 V	**350 V**

Q.No: 146	Which of the following is NOT a characteristic of conventional energy sources?	ନିମ୍ନଲିଖିତ ମଧ୍ୟରୁ କେଉଁଟି ପରମ୍ପରାଗତ ଶକ୍ତି ଉତ୍ସର ଏକ ବୈଶିଷ୍ଟ୍ୟ ନୁହେଁ?
Finite and exhaustible over time	ସୀମିତ ଏବଂ ସମୟ ଦ୍ୱାରା ହ୍ରାସ
Can be replenished naturally at a human timescale	ମଣିଷ ସମୟସୀମାରେ ପ୍ରାକୃତିକ ଭାବରେ ପୁନର୍ବ୍ୟବହାର କରାଯାଇପାରେ
Emit greenhouse gases	ଗ୍ରୀନ୍ ହାଉସ୍ ଗ୍ୟାସ୍ ନିର୍ଗତ
Relatively inexpensive to extract and use	ଭଲଭାବେ ଏବଂ ବ୍ୟବହାର ପାଇଁ ଅପେକ୍ଷାକୃତ ସସ୍ତା

Q.No: 147	What is Condensation?	ଘନୀଭୂତକରଣ ମାନେ କ'ଣ?
A phase of transition from gas to liquid	ଗ୍ୟାସରୁ ତରଳ ପର୍ଯ୍ୟନ୍ତ ପରିବର୍ତ୍ତନର ଏକ ପର୍ଯ୍ୟାୟ
A phase of transition from liquid to solid	ତରଳରୁ କଠିନ କୁ ପରିବର୍ତ୍ତନର ଏକ ପର୍ଯ୍ୟାୟ
A phase of transition from solid to liquid	କଠିନରୁ ତରଳ ପର୍ଯ୍ୟନ୍ତ ପରିବର୍ତ୍ତନର ଏକ ପର୍ଯ୍ୟାୟ
A phase of transition from gas to solid	ଗ୍ୟାସରୁ କଠିନ କୁ ପରିବର୍ତ୍ତନର ଏକ ପର୍ଯ୍ୟାୟ

Q.No: 148	Name unique quality that metal possess that allows them to be twisted into wires and formed into thin sheets.	ଧାତୁମାନେ ଯାହା ଅନନ୍ୟ ଗୁଣର ଯାଗୁ ବିଚ୍ଛିନ୍ନ ଯାହା ତାରମାନଙ୍କୁ ବଙ୍ଗାରେ ମୋଡ଼ି ପାରେ ତାହାରେ ପତଳା ଶିଟରେ ଗଢ଼ିବାକୁ ଅନୁମତି ଦିଏ ।
Malleability	ମାଲେବଲିଟି
Conductivity	କଣ୍ଡକ୍ଟିଭିଟି
Ductility	ଡିକ୍ଟିଲିଟି
Reactivity	ପ୍ରତିକ୍ରିୟାଶୀଳତା

Q.No: 149	Who is credited as the "Father of Genetics" for his work on pea plant inheritance?	ମଟର ଗଛର ଉତ୍ତରାଧିକାର ସମ୍ବନ୍ଧରେ ତାଙ୍କ କାର୍ଯ୍ୟ ପାଇଁ କାହାକୁ "ଜେନେଟିକ୍ସର ପିତା" ଭାବରେ ଶ୍ରେୟ ଦିଆଯାଏ?
Louis Pasteur	ଲୁଇ ପାଷ୍ଟର
Gregor Mendel	ଗ୍ରେଗର ମେଣ୍ଡେଲ
Thomas Hunt Morgan	ଥୋମାସ ହଣ୍ଟ ମୋର୍ଗାନ୍
Charles Darwin	ଚାର୍ଲସ୍ ଡାର୍ୱିନ୍

Q.No: 150	The reactivity series of metals is an arrangement of metals based on their:	ଧାତୁମାନ ପ୍ରତିକ୍ରିୟା ଶୃଙ୍ଖଳା ହେଉଛି ଧାତୁକୁ ଏକ ବ୍ୟବସ୍ଥା ଯାହା ସେମାନଙ୍କ ଭିତ୍ତିରେ ଅଟେ:
Melting point	ମେଲ୍ଟିଂ ପଏଣ୍ଟ
Reactivity with oxygen	ଅମ୍ଳଜାନ ସହିତ ପ୍ରତିକ୍ରିୟା
Volume	ଭଲ୍ୟୁମ୍
Hardness	କଠୋରତା