Andhra Pradesh State Council of Higher Education

Notations :

1.Options shown in green color and with ✔ icon are correct.

2.Options shown in red color and with ✖ icon are incorrect.

Question Paper Name :	Physical Science Urdu 13th July 2022 Shift 1
Duration :	120
Total Marks :	150
Display Marks:	No
Share Answer Key With Delivery Engine :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

General English

Section Id :	264490600
Section Number :	1
Mandatory or Optional :	Mandatory
Number of Questions :	21
Section Marks :	25
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0

Question Id : 26449018272 Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (1 to 5)

Read the following passage and answer the questions based on it.

Many great inventions are initially greeted with ridicule and disbelief. The invention of the airplane was no exception. Although many people who heard about the first powered flight on December 17, 1903 were excited and impressed, others reacted with peals of laughter. The idea of flying an aircraft was repulsive to some people. Such people called Wilbur and Orville Wright, the inventors of the first flying machine, impulsive fools. Negative reactions, however, did not stop the Wrights. Impelled by their desire to succeed, they continued their experiments in aviation.

Orville and Wilbur Wright had always had a compelling interest in aeronautics and mechanics. As young boys they earned money by making and selling kites and mechanical toys. Later, they designed a newspaper-folding machine, built a printing press, and operated a bicycle-repair shop. In 1896, when they read about the death of Otto Lilienthal, the brothers' interest in flight grew into a compulsion.

Lilienthal, a pioneer in hang-gliding, had controlled his gliders by shifting his body in the desired direction. This idea was repellent to the Wright brothers, however, and they searched for more efficient methods to control the balance of airborne vehicles. In 1900 and 1901, the Wrights tested numerous gliders and developed control techniques. The brothers' inability to obtain enough lift power for the gliders almost led them to abandon their efforts.

Sub questions

Question Number : 1 Question Id : 26449018273 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

According to the passage, the idea of flying an aircraft was _____ to some people.

Options :

1. ✖ needless

2. ✖ uninteresting

3. ✔ distasteful

4. ✖ unacceptable

Question Number : 2 Question Id : 26449018274 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

People of their days thought that the Wright brothers had

Options :

1. ✖ acted in a negative way

2. ✖ acted under negative influence

3. ✖ acted irresponsibly

4. ✔ acted without thinking

Question Number : 3 Question Id : 26449018275 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

By the end of the 18th century, the Wright brothers' interest in flight grew into

Options :

1. ✖ an Action Plan

2. ✖ a foolish thought

3. ✔ a need to act

4. ✖ an unfulfilled desire

Question Number : 4 Question Id : 26449018276 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Lilienthal's idea about controlling airborne vehicles was _____ the Wrights.

Options :

1. ✔ disliked by

2. ✖ accepted by

3. ✖ disproved by

4. ✖ proved by

Question Number : 5 Question Id : 26449018277 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The wright brothers almost abandoned their efforts on the gliders due to their

Options :

1. ✖ Ablity to design new gliders

2. ✖ Inability to test the power of the glides

3. ✖ Ability to develop control techniques

4. ✔ Inability to obtain required life power for the gliders

Question Number : 6 Question Id : 26449018278 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

He has been working for the company _____ January, 2005

Options :

1. ✖ during

2. ✔ since

3. ✖ before

4. ✖ after

Question Number : 7 Question Id : 26449018279 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

_____ the last rainy season, many houses collapsed in the hilly areas.

Options :

1. ✖ In

2. ✖ Around

3. ✔ During

4. ✖ By

Question Number : 8 Question Id : 26449018280 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

John's elderly parents always prefer to travel _____ car.

Options :

1. ✔ by

2. ✖ inside

3. ✖ in

4. ✖ on

Question Number : 9 Question Id : 26449018281 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

Tilak is _____ university student.

Options :

1. ✖ the

2. ✔ a

3. ✖ an

4. ✖ No article required.

Question Number : 10 Question Id : 26449018282 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

Sarojini Naidu is _____ Nightingale of India.

Options :

1. ✔ the

2. ✖ an

3. ✖ a

4. ✖ No article required.

Question Number : 11 Question Id : 26449018283 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the synonym for the word INDOLENT from the below given words.

Options :

1. ✖ mindful

2. ✔ lazy

3. ✖ deadly

4. ✖ significant

Question Number : 12 Question Id : 26449018284 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Add appropriate question tag to the given below sentence.
She attends the meeting

Options :

1. ✖ Isn't She?

2. ✖ Does She?

3. ✖ Isn't it ?

4. ✔ Doesn't she?

Question Number : 13 Question Id : 26449018285 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

Rekha reached the airport after the flight _____.

Options :

1. ✖ has departed

2. ✖ was departed

3. ✔ had departed

4. ✖ have departed

Question Number : 14 Question Id : 26449018286 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

The principal _____ for a walk in the school ground every day.

Options :

1. ✖ is going

2. ✖ gone

3. ✔ goes

4. ✖ went

Question Number : 15 Question Id : 26449018287 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

When the tourists _____ themselves the flower show yesterday, it started to rain.

Options :

1. ✖ enjoyed

2. ✖ have been enjoying

3. ✖ have enjoyed

4. ✔ were enjoying

Question Number : 16 Question Id : 26449018288 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

The Governor _____ the national flag at 8 a.m. tomorrow and _____ the awardees.

Options :

1. ✔ hoists, honors

2. ✖ will hoist, will honor

3. ✖ is hoisting, is honoring

4. ✖ would hoist, would honor

Question Number : 17 Question Id : 26449018289 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

A number of soldiers _____ during the war last month.

Options :

1. ✔ were injured

2. ✘ are injured

3. ✘ have injured

4. ✘ have been injured

Question Number : 18 Question Id : 26449018290 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

The Minister, along with his officials _____ the press every Saturday.

Options :

1. ✘ is meeting

2. ✘ are meeting

3. ✔ meets

4. ✘ meet

Question Number : 19 Question Id : 26449018291 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

One of the doors of the bank _____ by the thief who attempted a burglary.

Options :

1. ✖ is damaged

2. ✔ was damaged

3. ✖ are damaged

4. ✖ were damaged

Question Number : 20 Question Id : 26449018292 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Choose the most appropriate from the options to fill the gaps in the following statement

Neither John nor Peter _____ this book.

Options :

1. ✔ has read

2. ✖ have read

3. ✖ were reading

4. ✖ have been reading

Question Number : 21 Question Id : 26449018293 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following options best expresses the given sentence in Active/Passive Voice?

Sentence: The invigilator was reading out the instructions clearly.

Options :

1. ✖ The instructions have been read out by the invigilator clearly.

2. ✖ The instructions are being read out by the invigilator clearly.

3. ✔ The instructions were being read out by the invigilator clearly.

4. ✖ The instructions has been read out by the invigilator clearly.

Question Number : 22 Question Id : 26449018294 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following options best expresses the given sentence in Active/Passive Voice?

Sentence: A small boy could not have carried this big parcel.

Options :

1. ✖ This big parcel could not be carried by a small boy.

2. ✖ This big parcel could not been carried by a small boy.

This big parcel could not have been carried by a small boy.

3. ✔

This big parcel could not being carried by a small boy.

4. ✖

Question Number : 23 Question Id : 26449018295 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following options best expresses the given sentence in Direct/Indirect Speech?

Sentence: The teacher told the boy that he was not studying well.

Options :

1. ✔ The teacher said to the boy," You are not studying well".

2. ✖ The teacher told to the boy," You are not studying well".

3. ✖ The teacher said to the boy," He is not studying well".

4. ✖ The teacher told to the boy," He was not studying well".

Question Number : 24 Question Id : 26449018296 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following options best expresses the given sentence in Direct/Indirect Speech?

Sentence: The manager said to the clerk, "Have you completed the work?"

Options :

1. ✖ The manager asked the clerk if he has completed the work.

2. ✔ The manager asked the clerk if he had completed the work.

3. ✖ The manager asked the clerk if the work has been completed.

4. ✖ The manager asked the clerk if he have completed the work.

Question Number : 25 Question Id : 26449018297 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following words best expresses the meaning of the underlined words in the given sentence?

Sentence: It rained cats and dogs last night.

Options :

1. ✖ moderately

2. ✖ lightly

3. ✖ intermittently

4. ✔ heavily

General Knowledge

Section Id :	264490601
Section Number :	2
Mandatory or Optional :	Mandatory
Number of Questions :	15
Section Marks :	15
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0

Question Number : 26 Question Id : 26449018298 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

On which day of the year is the National Education Day observed in India?

ہندوستان میں قومی یوم تعلیم کے طور پر سال کی کس دن منایا جاتا ہے؟

Options :

March 6

1. ✖ 6مارچ

January 14

2. ✖ 14جنوری

September 8

3. ✖ 8ستمبر

November 11

11 نومبر

4. ✔

Question Number : 27 Question Id : 26449018299 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Internet is a

انٹرنیٹ ایک —— ہے

Options :

Network

نیٹ ورک

1. ✖

Network of Networks

نیٹ ورک آف نیٹ ورکس

2. ✔

Software

سافٹ ویر

3. ✖

Server

سرور

4. ✖

7/14/22, 4:20 PM

Question Number : 28 Question Id : 26449018300 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

When was India's capital shifted from Calcutta to Delhi?

ہندوستان کا دارالخلافہ کلکتہ سے دہلی کب منتقل کیا گیا؟

Options :

1. ✖ 1935

2. ✖ 1900

3. ✔ 1911

4. ✖ 1929

Question Number : 29 Question Id : 26449018301 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

MOOC stands for

MOOC کا مقفف ہے۔

Options :

Mobile Open and Online Course

موبائیل اوپن اینڈ آن لائین کورس

1. ✖

Massive Open Online Course

ماسیواوپن آن لائین کورس

2. ✔

Media-based Open Online Course

میڈیابیسڈاوپن آن لائین کورس

3. ✖

Machine-based Open Online Course

میشن بیسڈاوپن آن لائین کورس

4. ✖

Question Number : 30 Question Id : 26449018302 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Kangaroo's abdominal pouch is known as

کنگاروکے پیٹ کی تھیلی کو یہ کہتے ہیں۔

Options :

Placenta Pouch

پلاسنٹا تھیلی

1. ✖

Guttural Pouch

گٹورل تھیلی

2. ✖

Marsupium

مارسُپیم

3. ✔

Synovial Membrane

زلالی جھلی

4. ✖

Question Number : 31 Question Id : 26449018303 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

"One class one TV Channel" programme of PM e-vidya expanded from 12 to.

پی۔ایم۔ای۔ودیاکا "ون کلاس ون ٹی۔وی۔چینل "پروگرام کو12 چینل سے کتنے چینل تک بڑھادیاگیا؟

Options :

1. ✖ 120

2. ✔ 200

3. ✖ 140

The book "Origin of Species' was authored by

اّرجن آف اسپیس اکتاب کے مصنف ہیں۔

Options :

Charles Dickens

چارلس ڈِکنس

1. ✖

Charles Darwin

چارلس ڈارون

2. ✔

Charles Babbage

چارلس ببیج

3. ✖

Charles Lamb

چارلس لیمب

4. ✖

Question Number : 34 Question Id : 26449018306 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The name of the virus that caused Covid-19 in the early days of the pandemic is

عالمی وبا کے ابتدائی دنوں میں کووڈ-19 پھیلانے والے وائرس کا نام

Options :

SARS-CoV-2

1. ✔

SARS-Covid19-2

2. ✖

Cov-SARS-1

3. ✖

SARS-Covi-D2

4. ✖

Question Number : 35 Question Id : 26449018307 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who among the following was given the Oscar Honorary for Life Time Achievement in 1992?

1992 میں آسکر کا اعزاز لائف ٹائم اچیومنٹ کس کو دیا گیا؟

Options :

DadasahebPhalke

داداصاحب پھالکے

1. ✖

Satyajit Ray

ستیاجیت رے

2. ✔

Aparna Sen

اپرنا سین

3. ✖

Rituparno Ghosh

رتوپرناگھوش

4. ✖

Question Number : 36 Question Id : 26449018308 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Union Budget 2022 focuses on how many areas

بجٹ 2022 میں کتنے شعبوں پر توجہ مرکوز کی گئی؟

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 4

Question Number : 37 Question Id : 26449018309 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who is considered the inventor of World Wide Web (www)?

(www)ورلڈ وائڈ ویب کا موجد کون ہے؟

Options :

Tim Berners-Lee

ٹم برنرس۔لی

1. ✔

Bill Gates

بل گیٹس

2. ✖

Larry Page

لیری پیج

3. ✖

Jimmy Wales

جمی ویلس

4. ✖

Question Number : 38 Question Id : 26449018310 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The term Grand Slam is associated with

گرانڈ سلام کس سے منسلک ہے؟

Options :

Lawn Tennis

لان ٹینس

1. ✅

Billiards

بلیرڈ

2. ✖

Chess

شطرنج

3. ✖

Basket Ball

باسکٹ بال

4. ✖

Question Number : 39 Question Id : 26449018311 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The SardarSarovar Dam is a terminal dam built on the river

سردار سروؤر ڈیم ایک ٹرمینل ڈیم ہے جو اس ندی پر تعمیر کیا گیا؟

Options :

Sutlej

ستلج

1. ✖

Ganga

2. ✖ گنگا

Narmada

3. ✔ نرمدا

Brahmaputra

4. ✖ برہماپترا

Question Number : 40 Question Id : 26449018312 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the theme of the 'Earth Day 2022'?

یوم زمین 2022 کا مرکزی خیال کیا ہے؟

Options :

Covid and Planet

1. ✖ کووڈ اور سیارہ

No to Pollution

2. ✖ آلودگی نہیں

Sustainable Living

پائیدار زندگی

3. ✖

Invest in our Planet

ہمارے سیارے میں سرمایا لگائیں

4. ✔

Teaching Aptitude

Section Id :	264490602
Section Number :	3
Mandatory or Optional :	Mandatory
Number of Questions :	10
Section Marks :	10
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0

Question Number : 41 Question Id : 26449018313 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Good Classroom Communication will ensure a

عمدہ کمرے جماعت کی ترسیل اس بات کی یقین دلاتی ہے

Options :

supportive classroom climate

کمرہ جماعت کے ماحول کا تعاون

1. ✔

good learning environment

اچھا سیکھنے کا ماحول

2. ✖

activity-based classroom

سرگرمی پر مبنی کمرہ جماعت

3. ✖

joyful learning experiences

خوشگوار سیکھنے کے تجربات

4. ✖

Question Number : 42 Question Id : 26449018314 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A teacher discussing the academic problems of students with other colleagues in the school is

ایک استاد جو اسکول میں دوسرے ساتھیوں کے ساتھ طلبا کے تعلیمی مسائل پر گفتگو کرنا

Options :

Upward Communication

عروجی ترسیل

1. ✖

Downward Communication

زوالی ترسیل

2. ✖

Horizontal Communication

افقی ترسیل

3. ✔

Grapevine Communication

انگوری ترسیل

4. ✖

Question Number : 43 Question Id : 26449018315 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One can become a popular teacher among students by

طلبا کے درمیان ایک اچھا استاد بنے کے لیے کیا کرنا ہوگا؟

Options :

awarding good marks

اچھے نمبرات دینا

1. ✖

handling special classes

خصوصی کلاسس کا اہتمام کرنا

2. ✖

helping them solve their problems

طلبا کے مسائل حل کرنے میں مدد کرنا

3. ✔

giving learning materials

تدریسی مواد فراہم کرنا

4. ✖

Question Number : 44 Question Id : 26449018316 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The best way to maintain discipline in the class is to deal with the students

کمرہ جماعت میں نظم و ضبط بر قرار رکھنے کے کے لیے طلبا کے ساتھ کیا معاملہ کیا جائے؟

Options :

affectionately

شفقت

1. ✖

strictly and friendly

سختی اور دوستانہ رویہ

2. ✖

strictly and authoritatively

سختی اور حاکمانہ طریقہ

3. ✖

politely, but firmly

شائستگی سے، لیکن مضبوطی سے

4. ✔

Question Number : 45 Question Id : 26449018317 Display Question Number : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The most important element of teaching is

تدریس کا اہم عنصر

Options :

Teacher's Knowledge in the subject

1. ✖ مدرس کی علمی قابلیت

Teacher-Student Relationship

2. ✔ مدرس اور طالبِ علم کا رشتہ

Teaching Techniques

3. ✖ تدریسی تکنیک

Technological Aids for Teaching

4. ✖ تدریس کی لیے تکنیکی امدادی اشیا

Question Number : 46 Question Id : 26449018318 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Effective classroom environment can be ensured by

کمرہ جماعت کو موثر بنانے کے لیے کیا کیا جائے؟

Options :

lively student-teacher interactions

فعال طالبِ علم - معلم کی باہمی گفتگو

1. ✔

advanced technological gadgets

اعلیٰ درجے کی ٹکنیکی آلے

2. ✘

pin-drop silence in the class

کمرہ جماعت میں بالکل خاموشی

3. ✘

high-cost infrastructure

اعلیٰ قیمت کاانفرا سٹیکچر

4. ✘

Question Number : 47 Question Id : 26449018319 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If one wants to become the best teacher, he or she should

اگر کوئی بہترین مدرس بنناچاہے تووہ _____

Options :

control the class effectively

کمرہ جماعت کو موثر طریقہ سے قابو میں رکھے

1. ✘

correct the test papers and assignments strictly

ٹیسٹ پیپرس اور اسائنمنٹس کی جانچ سختی سے کرے

2. ✖

handle the classes humorously

مزاحیہ انداز میں کلاسس سنبھالے

3. ✖

motivate the students to learn

سیکھنے کی لیے طلبا کی حوصلہ افزائی کرے

4. ✔

Question Number : 48 Question Id : 26449018320 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The primary purpose of punishing a student is to

ایک طالبِ علم کو سزا دینے کا بنیادی مقصد ———— ہے۔

Options :

show the teacher's authority

استاد کی بالا دستی دکھلانا

1. ✖

correct the offender

مجرم کو درست کرنا

2. ✔

threaten the other students

دوسرے طلبا کو ڈرانا

3. ✖

enforce discipline in the class

کمرہ جماعت میں نظم و ضبط قائم کرنا

4. ✖

Question Number : 49 Question Id : 26449018321 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the students show lack of interest in the subject, a teacher should

اگر طالبِ علم مضمون میں عدم دلچسپی ظاہر کرتا ہے تو استاد کو کیا کرنا چاہئے؟

Options :

make his or her teaching more interesting

تدریس میں مزید دلچسپی پیدا کرے

1. ✖

teach with real life examples

حقیقی زندگی کے مثالوں کے ساتھ پڑھائیں

2. ✖

attempt to find out the reason for lack of interest

عدم دلچسپی کی وجہ جاننے کی کوشش کریں

3. ✔

teach with stories and songs

کہانیوں اور گانوں کے ساتھ پڑھائیں

4. ✖

Question Number : 50 Question Id : 26449018322 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A teacher can learn the nuances of teaching the subject and dealing with students from

مدرس مضمون کی درسی باریکیاں اور طلبا سے سلوک ان سے سیکھ سکتا ہے۔

Options :

Students

طلبا

1. ✔

Fellow Teachers

ساتھی اساتذہ

2. ✖

Senior Teachers

بزرگ اساتذہ

3. ✖

Principals

پرنسپل

4. ✖

Physics

Section Id :	264490603
Section Number :	4
Mandatory or Optional :	Mandatory
Number of Questions :	50
Section Marks :	50
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0

Question Number : 51 Question Id : 26449018323 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The value of curl grad f where f= $2x^2 + 3y^2 + 4z^2$ is

کرل گریڈ f کی قدر کیا ہوگی جہاں f= $2x2 + 3y2 + 4z2$

Options :

1. ✖ 4x-6y+8z

2. ✖ $4x\hat{i} - 6y\hat{j} + 8z\hat{k}$

3. ✔ 0

4. ✖ 3

Question Number : 52 Question Id : 26449018324 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If 'S' is a closed surface enclosing a unit volume and be capable of being oriented, then the

magnitude of the surface integral $\int_s \vec{r}.\hat{n}ds$ is where $\vec{r} = x\hat{i} + y\hat{j} + z\hat{k}$ and n is unit normal to S.

اگر'S' ایک بند سطح ہے جو ا کائی حجم کو گھیرے ہوے ہے اور اپنی سمت کو بدلنے کی صلاحیت بھی رکھتی ہے تب سطحی تکمیلہ کی مقدار $\int_s$ $\vec{r}.\hat{n}ds$ جہاں $\vec{r} = x\hat{i} + y\hat{j} + z\hat{k}$ اور 'n' اکائی نارمل ہے 'S' کا

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 0

4. ✔ 3

Question Number : 53 Question Id : 26449018325 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Find the velocity of a bullet of mass 5 grams which is fired from a pistol of mass 1.5 kg. The recoil

velocity of the pistol is 1.5 m.s^{-1}.

5 گرام کمیت والی گولی کی رفتار معلوم کیجیے جو 1.5 کلوگرام وزن والے پستول سے فائر کی جاتی ہے اور پستول کی پیچھار رفتار 1.5 میٹر فی سکنڈ ہے

Options :

4.5 m.s^{-1}

1. ✖

450 m.s^{-1}

2. ✔

45 m.s^{-1}

3. ✖

4 m.s^{-1}

4. ✖

Question Number : 54 Question Id : 26449018326 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Theoretical limits of Poisson's ratio lies between_____.

پوزن کے تناسب کی نظریاتی حدود _____ کے درمیان پائے جاتے ہیں۔

Options :

-0.5and 0

1. ✖ -0.5 اور 0

0 and 0.5

2. ✖ 0.5 اور 0

-1 and 0.5

3. ✔ 0.5 اور 1-

-0.5and 1

4. ✖ -0.5 اور 1

Question Number : 55 Question Id : 26449018327 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A rod of 1m length is moving along its length with a velocity 0.6C. Calculate its length as it isto an observer on earth? (C=Speed of light)

1 سم لمبائی والی ایک سلاخ اپنی لمبائی کے ساتھ 0.6C کی رفتار سے حرکت کرتی ہے۔ زمین پر ایک مشاہد کی حیثیت سے اس کی لمبائی کو محسوب کیجیے۔

Options :

1 m

1. ✖ 1 میٹر

8 m

2. ✖ 8 میٹر

0.8m

میٹر 0.8

3. ✔

0.1m

میٹر 0.1

4. ✖

Question Number : 56 Question Id : 26449018328 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The relativistic equation between total energy and momentum :

کل توانائی اور معیار حرکت کے درمیان پائی جانے والی اضافیتی مساوات:

Options :

$E = M_0C + PC$

1. ✖

$E = \sqrt{M_0C + PC}$

2. ✖

$E^2 = M_0{}^2C^4 + P^2C^2$

3. ✔

$$E^2 = M_0{}^2 C^2 + P^2 C^2$$

4. ✖

Question Number : 57 Question Id : 26449018329 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A round grindstone with moment of inertia 1600 Kgm^{-2} is rotating at angular velocity of 6 ms^{-1}, its rotational kinetic energy will be

ایک گول پسنے والا پتھر جس کا جمود گردشہ 1600 کلوگرام فی مربع میٹر ہے جو 6 میٹر فی سکنڈ کی زاویائی رفتار سے گھوم رہا ہے۔ بتائیے کہ گردشی توانائی بالحرکت کیا ہوگی؟

Options :

1. ✖ 2880 J

2. ✖ 288 J

3. ✖ 56000 J

4. ✔ 28800 J

Question Number : 58 Question Id : 26449018330 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Kepler's third law is known as

کپلر کے تیسرے قانون کو یہ بھی کہا جاتا ہے۔

Options :

Law of orbits

مداروں کا قانون

1. ✖

Law of areas

علاقوں کا قانون

2. ✖

Law of periods

ادوار کا قانون

3. ✔

Law of motion

حرکت کا قانون

4. ✖

Question Number : 59 Question Id : 26449018331 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Time period of simple harmonic wave represented by y= sin(2ωt +π/4) is

ہے ۔ _____ سادہ ہارمونی لہر کا وقت دوراں ہے۔ جو کہ ظاہر کی گئی y=sin(2ωt+π/4)

Options :

1. ✖   π

2. ✔   π/ω

3. ✖   ωπ

4. ✖   2 π/ω

Question Number : 60 Question Id : 26449018332 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The total energy of particle executing simple harmonic motion is equal to ____at extreme positions and equal to ____at mean position.

انتہائی مقام پر سادہ ہارمونک حرکت والے ذرہ کی کل توانائی مساوی ہوتی ہے _____ کے اور اوسط مقام پر _____ کے مساوی ہوتی ہے۔

Options :

Kinetic energy, Potential energy

توانائی بالحرکت، توانائی بالقوہ

1. ✖

Potential energy, Kinetic energy

توانائی بالقوہ، توانائی بالحرکت

2. ✔

Potential energy, potential energy

توانائی بالقوہ، توانائی بالقوہ

3. ✖

Kinetic energy, Kinetic energy

توانائی بالحرکت، توانائی بالحرکت

4. ✖

Question Number : 61 Question Id : 26449018333 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Fourier theorem can be applied to a function which should have the following condition

فورئیر مسئلہ کا اطلاق کسی تفاعل سے کیا جاسکتا ہے جس کے لیے درج ذیل کی کون سی شرط ہونی چاہیے؟

Options :

Infinite

لامتناہی

1. ✖

Periodic

دوری

2. ✔

Discontinuous

غیر مسلسل

3. ✖

Non-periodic

غیر دوری

4. ✖

Question Number : 62 Question Id : 26449018334 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A tuning fork is a

دوشاخہ سے مراد _____

Options :

Bar fixed at one end

ایک سرے پر سلاخ قائم کرنا

1. ✖

Bar fixed at both ends

2. ✖ دونوں سروں پر سلاخ قائم کرنا

Bar fixed at middle

3. ✖ درمیان میں سلاخ قائم کرنا

Bar free at both ends

4. ✔ دونوں سروں پر آزاد سلاخ

Question Number : 63 Question Id : 26449018335 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Frequency of Oscillatory circuit in piezo electric generators circuit is :

پیزو الکٹریک جنریٹر دور میں اہتزازی دور کا تعدد

Options :

1. ✔ $\dfrac{1}{2\pi\sqrt{LC}}$

2. ✖ $\dfrac{1}{2\pi}\sqrt{\dfrac{L}{C}}$

$$\frac{1}{2\pi}\sqrt{\frac{c}{L}}$$

3. ✖

$$\frac{1}{2\pi}\sqrt{LC}$$

4. ✖

Question Number : 64 Question Id : 26449018336 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the frequency of driving force is _____ the frequency of oscillation, resonance occurs.

اگر چلانے والی قوت کا تعدد، اہتزازی تعدد سے _____ ہونے پر گمگ پیدا ہوتی ہے۔

Options :

Greater than

بڑی

1. ✖

Equal to

مساوی

2. ✔

Lesser than

چھوٹی

3. ✖

No relation

کوئی تعلق نہیں

4. ✖

Question Number : 65 Question Id : 26449018337 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Ultrasonic waves are produced by making use of the _____material.

بالاسمعی موجیں اس شئے کے استعمال سے پیدا کی جاسکتی ہیں۔

Options :

diamagnetic

ڈیامقناطیس

1. ✖

Paramagnetic

پیرامقناطیس

2. ✖

Piezoelectric

پیزوالکٹریک

3. ✔

Non-magnetic

غیر مقناطیس

4. ✖

Question Number : 66 Question Id : 26449018338 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The average distance between two adjacent heaps gives _____ of ultrasonic waves.

دو متصلہ ڈھیروں کا درمیانی اوسط فاصلہ بالاسمعی موجوں کا _____ دیتا ہے۔

Options :

Wavelength

طول موج

1. ✖

$\dfrac{\text{Wavelength}}{2}$

$\dfrac{\text{طول موج}}{2}$

2. ✔

2 X Wavelength

طول موج x 2

3. ✖

4 X Wavelength

4 × طول موج

4. ✖

Question Number : 67 Question Id : 26449018339 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The power of the concave lens of focal length 25cm is

25 سرمائی کی طول والے مقعر عدسہ کی طاقت کیا ہوگی؟

Options :

1. ✔ -4D

2. ✖ 4D

3. ✖ -0.4D

4. ✖ 0.4D

Question Number : 68 Question Id : 26449018340 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

When a point object is situated just off the axis, the aberration formed is called

جب کوئی شئے کا نقطہ محور سے بالکل دور واقع ہوتو بننے والی نقص کو _____ کہاجا تا ہے۔

Options :

Coma

1. ✔ کوما

Spherical Aberration

کروی نقص

2. ✘

Astigmatism

کج نظری

3. ✘

Distortion

مسخ

4. ✘

Question Number : 69 Question Id : 26449018341 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The optical fibers depend on the following principle

بصری ریشے ذیل کے کس اصول پر مبنی ہیں؟

Options :

Interference

تداخل

1. ✖

Polarization

تقطیب

2. ✖

Refraction

انعطاف

3. ✖

Total internal reflection

کلی داخلی انعکاس

4. ✔

Question Number : 70 Question Id : 26449018342 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If a charged particle is moving perpendicular to a magnetic field, then its path is

اگر ایک برقی ذرہ، مقناطیسی میدان کے عمود أحرکت کرتا ہے تب اس کا راستہ _____ ہوگا۔

Options :

Circular

دائری

1. ✔

Elliptical

بیضوی

2. ✖

Straight line

خطِ مستقیم

3. ✖

Parabola

مکافی

4. ✖

Question Number : 71 Question Id : 26449018343 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is not an optically active substance?

ذیل میں کون سی شئے نوری عامل نہیں ہے؟

Options :

Sugar solution

شکر کا محلول

1. ✖

water

پانی

2. ✔

Quartz

کوارز

3. ✖

Tourmaline

ٹرمالین

4. ✖

Question Number : 72 Question Id : 26449018344 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The radius of the dark ring in Newton's ring system in reflected light is_____

منعکس روشنی میں نیوٹن کے حلقے کے نظام میں تاریک حلقہ کا نصف قطر _____

Options :

Proportional to the square root of the wave length used.

متناسب ہوتا ہے استعمال شدہ روشنی کی لہر کے جذر المربع کے

1. ✔

directly proportional to the order of the ring

راست متناسب ہوتا ہے حلقے کے درجے کے

2. ✖

directly proportional to the radius of curvature of the lens

راست متناسب ہوتا ہے عدسہ کے نصف قطر انحنا کے

3. ✖

directly proportional to the wavelength of light used

راست متناسب ہوتا ہے استعمال شدہ روشنی کے لہر کے طول کے

4. ✖

Question Number : 73 Question Id : 26449018345 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The principle of Michelson interferometer is based upon the interference of light by the division of _____.

مائیکلسن انٹرفیرومیٹر اصول اس کی تقسیم کے ذریعے روشنی کی تداخل پر بنی ہے۔

Options :

Phase

هیئیت

1. ✖

Speed of light

روشنی کی چال

2. ✖

Distance

فاصلہ

3. ✖

Amplitude

وسعت

4. ✔

Question Number : 74 Question Id : 26449018346 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The average velocity of molecule is

سالمہ کی اوسط رفتار ____ ہے۔

Options :

1. ✔ $\sqrt{\dfrac{3RT}{M}}$

2. ✖ $\sqrt{\dfrac{3KT}{\pi M}}$

3. ✖ $\sqrt{\dfrac{8KT}{M}}$

4. ✖ $\sqrt{\dfrac{8KT}{\pi M}}$

Question Number : 75 Question Id : 26449018347 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Entropy of the system in a reversible process

ایک معکوسی عمل میں نظام کی اینٹروپی

Options :

Increases

بڑھتی ہے

1. ✖

Decreases

گھٹتی ہے

2. ✖

Remains constant

مستقل رہتی ہے

3. ✔

None

ان میں سے کوئی نہیں

4. ✖

Question Number : 76 Question Id : 26449018348 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A quarter wave plate introduces a path difference of _____ between the ordinary and extra-ordinary ray

ایک چوتھائی لہر پلیٹ معمولی اور غیر معمولی شعاع کے درمیانی راستے کے فرق کو _____ سے متعارف کرواتی ہے۔

Options :

wavelength/4

$\dfrac{طول موج}{4}$

1. ✔

wavelength/2

$\dfrac{طول موج}{2}$

2. ✖

wavelength

طول موج

3. ✖

2 X wavelength

طول موج x 2

4. ✖

Question Number : 77 Question Id : 26449018349 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following conditions must be reached for the occurrence of stimulated emission

مہیج شدہ اخراج پیدا کرنے کے لیے درج ذیل میں ان شرائط کو پورا کرنا ضروری ہے۔

Options :

more number of atoms in ground state

تحتی حالت میں جوہروں کی زیادہ تعداد

1. ✖

more number of atoms in excited state

مشتعل ہوئی حالت میں جوہروں کی زیادہ تعداد

2. ✔

more number of atoms in the metastable state

نیم مستحکم حالت میں جوہروں کی زیادہ تعداد

3. ✖

less number of atoms in excited state

مشتعل ہوئی حالت میں جوہروں کی کم تعداد

4. ✖

Question Number : 78 Question Id : 26449018350 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The mean free path of a gas molecule is inversely proportional to

کسی گیسی سالمہ کا وسطی آزاد فاصلہ بالعکس متناسب ہوتا ہے۔

Options :

square of the molecular diameter

سالمی قطر کے مربع کے

1. ✔

square root of the molecular diameter

سالمی قطر کے جذ المربع کے

2. ✖

molecular diameter

سالمی قطر

3. ✖

fourth power of the molecular diameter.

سالمی قطر کی چوتھی طاقت

4. ✖

Question Number : 79 Question Id : 26449018351 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Zeroth Law of thermodynamics gives the concept of

حر حرکیات کا صفر کا کلیہ _____ کا تصور پیش کرتا ہے۔

Options :

Enthalpy

اینتھال پی

1. ✖

Entropy

اینٹروپی

2. ✖

Heat

حرارت

3. ✖

Temperature

تپش

4. ✔

Question Number : 80 Question Id : 26449018352 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The entropy of the system decreases in which of the following processes?

ذیل کے کس عمل میں اینٹروپی نظام گھٹتا ہے؟

Options :

Melting of Ice

برف کا پگھلنا

1. ✖

Boiling of water

پانی کا اُبلنا

2. ✖

Solidification of water

پانی کا ٹھوس بننا

3. ✔

Evaporation of Water

پانی کی تبخیر

4. ✖

Question Number : 81 Question Id : 26449018353 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The temperature at which Joule-Thomson effect is zero and changes sign is known as –

وہ درجہ حرارت جس پر جول ۔ تھامسن کا اثر صفر ہوتا ہے اور تبدیلی کی علامت کو _____ کہتے ہیں ۔

Options :

Temperature of inversion

معکوس تپش

1. ✔

Critical temperature

2. ✖ فاصل تپش

Boyle temperature

بائیل تپش

3. ✖

Joule temperature

جول تپش

4. ✖

Question Number : 82 Question Id : 26449018354 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The expression which relates the two specific heats of gas is

وہ عبارت جو گیس کی دو مخفی حرارتوں سے متعلق ہے۔

Options :

$C_p - C_v = R$

1. ✔

$C_p + C_v = R$

2. ✖

3. ✗ $Cp = Cv$

4. ✗ $Cp/Cv = R$

Question Number : 83 Question Id : 26449018355 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The dimensional formula for the coefficient of thermal conductivity is

حراری موصلیت کی شرح کے لیے ابعادی ضابطہ

Options :

1. ✔ $[MLT^{-3}\theta^{-1}]$

2. ✗ $[MT^{-3}\theta^{-1}]$

3. ✗ $[MLT\theta^{-1}]$

4. ✗ $[MLT^{-3}]$

Question Number : 84 Question Id : 26449018356 Display Question Number : Yes Is Question Mandatory : No Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The surface temperature of the Sun is

سورج کی سطح پر درجہ حرارت

Options :

1. ✖ 4000K

2. ✔ 6000K

3. ✖ 2000K

4. ✖ 3000K

Question Number : 85 Question Id : 26449018357 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The electrostatic force between the two charges of magnitude 2 C and -1 C separated by

a distance of 1m in air is

ہوا میں 1 میٹر کے فاصلے پر الگ کیے گئے 2C اور 1C- مقدار والے دو برقی بار کے درمیان پائی جانے والی برقی سکونی قوت کیا ہوگی؟

Options :

67/127

1. ✖ 18×10^{10} N

2. ✖ 18 N

3. ✔ 18×10^{9} N

4. ✖ 18×10^{5} N

Question Number : 86 Question Id : 26449018358 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Electric potential at all points on the surface of a conductor is_____

کسی موصل کی سطح پر تمام نکات پر برقی قوہ _____ ہے۔

Options :

same

1. ✔ مساوی

not same

2. ✖ غیر مساوی

zero

صفر

3. ✖

Infinity

لا متناہی

4. ✖

Question Number : 87 Question Id : 26449018359 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The value of the coefficient of coupling lies between

ایک جفت کی شرح کی قیمت _____ کے درمیان ہوتی ہے۔

Options :

1 and 0

1. ✔ 1 اور 0

−1 and 0

2. ✖ 1- اور 0

−1 and 1

1 اور 1-

3. ✖

1 and 2

1 اور 2

4. ✖

Question Number : 88 Question Id : 26449018360 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Quality factors of LCR, ac circuit, Q is

LCR، ac دور، Q کا معیاری عوامل _____ ہے۔

Options :

1. ✖ $\sqrt{\dfrac{L}{RC}}$

2. ✖ $\sqrt{\dfrac{RC}{L}}$

3. ✖ $\sqrt{\dfrac{1}{RLC}}$

$$\frac{1}{R}\sqrt{\frac{L}{C}}$$

4. ✔

Question Number : 89 Question Id : 26449018361 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The relation between emitter current amplification factor (α) and base current amplification factor (β) is

اخراجی کرنٹ ایمپلی فائر عامل (α) اور بنیادی کرنٹ ایمپلی فائر عامل (β) کا درمیانی رشتہ

Options :

$$\beta = \frac{\alpha}{1-\alpha}$$

1. ✔

$$\beta = \frac{1+\alpha}{\alpha}$$

2. ✘

$$\beta = \frac{1-\alpha}{\alpha}$$

3. ✘

$$\beta = \frac{\alpha}{1+\alpha}$$

4. ✘

Question Number : 90 Question Id : 26449018362 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If A and B are two variables then $\overline{A + B}$=

$= A + B$ اگر A اور B دو متغیر ہیں تب

Options :

1. ✖
$$\overline{A} + \overline{B}$$

2. ✔
$$\overline{A}.\overline{B}$$

3. ✖
$$\overline{AB}$$

4. ✖
$$A$$

Question Number : 91 Question Id : 26449018363 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the orbital quantum number l=3, the possible values of m₁ are _____.

اگر آربٹال کوانٹم عدد l=3 ہو تو ml کی ممکنہ قدریں _____ ہیں۔

Options :

1. ✖ 2

2. ✔ 7

3. ✖ 8

4. ✖ 9

Question Number : 92 Question Id : 26449018364 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Nuclear force is _____.

نیوکلیائی قوت سے مراد

Options :

spin independent only

صرف غیر منحصر گھماؤ

1. ✖

both electric charge and spin independent

برقی بار اور غیر منحصر گھماؤ دونوں بھی

2. ✖

spin dependent but electric charge independent

گھماؤ انحصاری لیکن غیر منحصری برقی بار

3. ✔

electric charge dependent

برقی بار پر منحصر

4. ✖

Question Number : 93 Question Id : 26449018365 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The total probability of finding a particle in the entire space =

پوری جگہ میں ایک ذرہ کو تلاش کرنے کا کل امکان مساوی ہوتا ہے ــــــــ کے۔

Options :

zero

صفر

1. ✖

Infinity

لامتناہی

2. ✗

one

ایک

3. ✔

non zero

غیر صفری

4. ✗

Question Number : 94 Question Id : 26449018366 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In Raman spectra, the lines having wavelength greater than that of incident wavelength arecalled_____

رامن طیف میں واقع طول موج سے زیادہ لہری کی لمبائی والے خطوط کو کہتے ہیں۔

Options :

Stokes lines

اسٹوکس کے خطوط

1. ✔

anti-Stokes lines

ضد ۔ اسٹوکس کے خطوط

2. ✖

scattering lines

منتشری خطوط

3. ✖

Compton lines

کامپٹن خطوط

4. ✖

Question Number : 95 Question Id : 26449018367 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The nucleus is stable if the binding energy is _____

مرکزہ کی قیام پذیری حالت میں بندتوانائی _____ ہوتی ہے۔

Options :

small

چھوٹی

1. ✖

large

بڑی

2. ✔

zero

صفر

3. ✖

not defined

وضاحت نہیں کی جاتی

4. ✖

Question Number : 96 Question Id : 26449018368 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

When a particle is in one dimensional box, then energy of the particle is

جب ایک ذرہ کو ایک ابعادی والے ڈبے میں رکھا جائے ،تب اس ذرہ کی توانائی کیا ہوگی؟

Options :

$$\frac{n^2h^2}{12ma^2}$$

1. ✖

$$\frac{n^2a^2}{8mh^2}$$

2. ✖

$$\frac{n^2h^2}{8m^2a^2}$$

3. ✖

$$\frac{n^2h^2}{8ma^2}$$

4. ✔

Question Number : 97 Question Id : 26449018369 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

When an α-decay takes place, the nucleus of an atom decreases by

جب α-تنزل واقع ہوتا ہے تب جوہر کے مرکزہ میں یہ کمی واقع ہوگی۔

Options :

Atomic number 2 and mass number 4

جوہری عدد 2 اور کمیتی عدد 4

1. ✔

Atomic number 4 and mass number 2

جوہری عدد 4 اور کمیتی عدد 2

2. ✖

Atomic number 1 and mass number 2

جوہری عدد 1 اور کمیتی عدد 2

3. ✖

Atomic number 2 and mass number 1

جوہری عدد 2 اور کمیتی عدد 1

4. ✖

Question Number : 98 Question Id : 26449018370 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The dimensions of the Poynting vector are

پوئنٹنگ کے سمتی ابعاد _____ ہیں۔

Options :

Energy x time x area

توانائی x وقت x رقبہ

1. ✖

Area/energy x time

$$\frac{رقبہ}{توانائی \times وقت}$$

2. ✖

Energy/(area x time)

توانائی
─────────
رقبہ x وقت

3. ✔

Volume x energy/area

حجم x توانائی
─────────
رقبہ

4. ✖

Question Number : 99 Question Id : 26449018371 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In a circuit containing pure inductor

خالص ترغیب کا رو والے دور میں

Options :

Current lags behind the voltage by 90⁰

کرینٹ، وولٹیج سے 90° پیچھے رہ جاتا ہے۔

1. ✔

Current leads the voltage by 90^0

کرینٹ، وولٹیج سے $90°$ آگے رہتا ہے۔

2. ✖

Voltage lags behind the current by 90^0

وولٹیج، کرنٹ سے $90°$ پیچھے رہ جاتا ہے۔

3. ✖

Voltage leads the current by 180^0

وولٹیج، کرنٹ سے $90°$ آگے رہتا ہے۔

4. ✖

Question Number : 100 Question Id : 26449018372 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

According to Meissner effect, in the superconducting state a material behaves as.

Meissner اثر کے مطابق اعلی موصلیت کی حالت میں ایک شئے کا برتاؤ اس طرح ہوگا

Options :

Paramagnetic

پارا مقناطیسی

1. ✖

Diamagnetic

ڈیا مقناطیسی

2. ✔

Ferromagnetic

فیرومقناطیسی

3. ✖

Ferrimagnetic

فیرک مقناطیسی

4. ✖

Chemistry

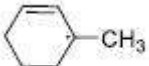|	
Section Id :	264490604
Section Number :	5
Mandatory or Optional :	Mandatory
Number of Questions :	50
Section Marks :	50
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0

Question Number : 101 Question Id : 26449018373 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Diborane on hydrolysis gives?

ڈائی بورین کی آب پاشید گی کرنے پر حاصل ہوتا ہے

Options :

1. ✖ $B_3N_3H_6$

2. ✖ BC_3

3. ✔ H_3BO_3

4. ✖ HBO_2

Question Number : 102 Question Id : 26449018374 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Number of sigma and Pi bonds present in ClO_4^- ion

ClO_4^- روا ں میں پئی بند اور سگما بند کی تعداد

Options :

1. ✖ $4\sigma \& 4\pi$

2. ✖ $4\sigma \& 2\pi$

3. $4\sigma \& 3\pi$ ✔

4. $3\sigma \& 2\pi$ ✖

Question Number : 103 Question Id : 26449018375 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which is an amphoteric Oxide

ذیل میں یہ ایمفوٹار ک آکسائیڈ ہے۔

Options :

1. SO_2 ✖

2. B_2O_3 ✖

3. ZnO ✔

4. Na_2O ✖

Question Number : 104 Question Id : 26449018376 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The example of pseudo-halogen compound is

دکاذب ۔ ہالوجن مرکب کی مثال

Options :

Cyanogen

سائینوجن

1. ✔

chlorine
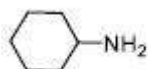
کلورین

2. ✘

bromine

برومین

3. ✘

Iodine

ایوڈین

4. ✘

Question Number : 105 Question Id : 26449018377 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Total number of valance electrons present in Mn (CO)₅ of metal carbonyl complex is

دھاتی کاربونائل کامپلیکس کے Mn (CO)₅ گرفتی الیکٹرانوں کی کل تعداد

Options :

18 electrons

1. ✖ 18 الیکٹرانس

17 electrons

2. ✔ 17 الیکٹرانس

16 electrons

3. ✖ 16 الیکٹرانس

15 electrons

4. ✖ 15 الیکٹرانس

Question Number : 106 Question Id : 26449018378 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Howmany bridging CO molecules are there in $Fe_3(CO)_{12}$

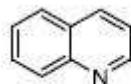Fe₃(CO)₁₂ میں عبوری CO سالموں کی تعداد کیا ہے؟

Options :

1. ✖ 1

2. ✖ 2

3. ✔ 3

4. ✖ 4

Question Number : 107 Question Id : 26449018379 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is most stable free radical?

ذیل میں یہ سب سے زیادہ قیام پذیر آزاد اصلیہ ہے۔

Options :

1. ✖

2. ✔

3. ✖

4. ✖
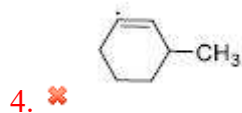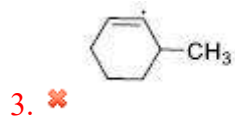
Question Number : 108 Question Id : 26449018380 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In carbenes, singlet carbon atom believed to have

کاربینس میں، تنہا کاربن جوہر میں یہ ہونے کا یقین ہے۔

Options :

sp hybridization

مخلوطیت sp

1. ✖

sp² hybridization

مخلوطیت   sp²

2. ✔

sp³ hybridization

مخلوطیت sp³

3. ✖

sp³d hybridization

sp³d مخلوطیت

4. ✖

Question Number : 109 Question Id : 26449018381 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The electrophilic addition of carbon-carbon double bond leads to _____ type of intermediate.

کاربن۔کاربن دہرے بند کاالکٹرو فلک اضافہ اس درمیانی قسم کی طرف لے جاتا ہے۔

Options :

More stable

زیادہ مستحکم

1. ✔

less stable

کم مستحکم

2. ✖

least stable

کم ترین مستحکم

3. ✖

none of the above

ان میں کوئی نہیں

4. ✖

Question Number : 110 Question Id : 26449018382 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is the strongest base?

ذیل میں یہ طاقتور اساس ہے۔

Options :

1. ✔

2. ✖

3. ✖

4. ✖
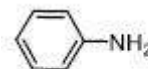
Question Number : 111 Question Id : 26449018383 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The most strained cyclo alkane is

سب سے زیادہ تناؤ والا سائیکلو الکین ہے۔

Options :

Cyclobutane

وسائیکلوبیوٹین

1. ✖

Cyclopropane

وسائیکلوپروپین

2. ✔

Cyclohexane

سائیکلوہیکزین

3. ✖

Cyclopentane

سائیکلوپنٹین

4. ✖

Question Number : 112 Question Id : 26449018384 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A pair of stereoisomers which are not mirror images of each other are called

مکانی ہم ترکیب کی وہ جوڑ جو ایک دوسرے کی آئینہ شبیہ نہیں رکھتے وہ کہلاتے ہیں

Options :

Enantiomers

1. ✖ اینانٹیومرس

Diastereomers

2. ✔ وڈیاسٹیریومرس

Metamers

میٹامرس

3. ✖

Racemates

ریس میٹس

4. ✖

Question Number : 113 Question Id : 26449018385 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Among the following the highest resonance energy heterocyclic is

ذیل میں یہ وہ ہیٹروسائیکلک ہے جس میں سب سے زیادہ گونج توانائی پائی جاتی ہے۔

Options :

Furan

فیوران

1. ✖

Thiophene

تھیوفین

2. ✔

Pyrrole

پیّرول

3. ✖

All are equal

تمام مساوی ہیں

4. ✖

Question Number : 114 Question Id : 26449018386 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The catalyst used in Friedel craft's acylation is

فرائیڈل کرافٹ اسائیلیشن میں اس کو بطور تماس استعمال کرتے ہیں۔

Options :

Acid chloride

ترشی کلورائیڈ

1. ✖

benzene

بنزین

2. ✖

Anhydrous aluminum trichloride

نابیدہ الومنیم ٹرائی کلورائیڈ

3. ✔

carbon tetrachloride

کاربن ٹیٹرا کلورائیڈ

4. ✖

Question Number : 115 Question Id : 26449018387 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In crystal system, ions are displaced from its regular position to interstitial position is

قلمی نظام میں روانوں کاان کے باقاعدہ حالت سے اقل ترین حالت میں منتقل ہونے کا یہ عمل کہلاتا ہے۔

Options :

Frenkel defect

فرینکل نقص

1. ✔

Schottky defect

اشکاٹیکی نقص

2. ✖

Line defect

خطی نقص

3. ✖

Edge defect

کنارے کا نقص

4. ✖

Question Number : 116 Question Id : 26449018388 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In Bragg's equation for diffraction of X-rays 'n' represents

ایکس شعاعوں کے انصراف میں براگ کے مساوات کا "n" ظاہر کرتا ہے

Options :

The number of mole

سلم کی تعداد

1. ✖

Quantum number

کوانٹم عدد

2. ✖

The order of diffraction

انصراف کا درجہ

3. ✔

Avogadro Number

ایواگاڈرو عدد

4. ✖

Question Number : 117 Question Id : 26449018389 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

For one mole of a gas, the ideal gas equation is

ایک سلم گیس کے لیے، کامل گیس کی مساوات

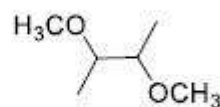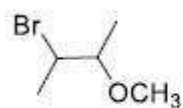**Options :**
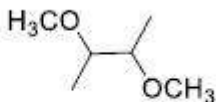
PV= RT

1. ✔

PV= 3/2 RT

2. ✖

PV=1/2 RT

3. ✖

PV=5/2 RT

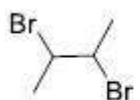4. ✖

Question Number : 118 Question Id : 26449018390 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The average kinetic energy of the gas molecules is

گیسی سالمات کی اوسط حر کی توانائی

Options :

Inversely proportional to its absolute temperature

بالعکس متناسب ہوتی ہے اس کے مطلق تپش کے

1. ✖

Directly proportional to its absolute temperature

راست متناسب ہوتی ہے اس کے مطلق تپش کے

2. ✔

Equal to the square of its absolute temperature

اس کے مطلق تپش کے جذر کے مساوی ہوتی ہے

3. ✖

Directly proportional to the square root of its absolute temperature

اس کے مطلق تپش کے جذرالمربع کے راست متناسب ہوتی ہے

4. ✖

Question Number : 119 Question Id : 26449018391 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Predict the products in the following reaction.

ذیل کے تعامل میں محاصل کی پیش قیاسی کیجیے

$\diagup\diagup$ + Br$_2$ $\xrightarrow{\text{H}_3\text{C}-\text{OH}}$ A + B   A & B is

Options :

1. ✔

2. ✖

3. ✖

4. ✖
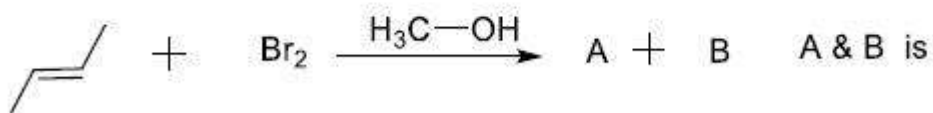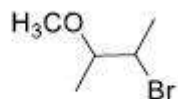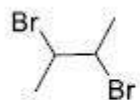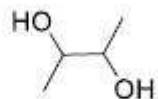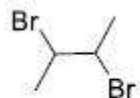
Question Number : 120 Question Id : 26449018392 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which among the following under goes addition of bromine easily?

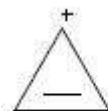ذیل میں یہ آسانی سے بروین کے ساتھ اضافی تعامل میں حصہ لیتا ہے۔

Options :

1. ✖

2. ✔

3. ✖

4. ✖
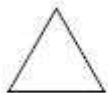
Question Number : 121 Question Id : 26449018393 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which among the following has a three-electron bond?

کس میں سہ ـ الیکڑان بند پایا جاتا ہے؟

Options :

1. ✔ NO

2. ✖ CO

3. ✖ N_2

4. ✖ O_2

Question Number : 122 Question Id : 26449018394 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many grams of glucose are present in 100 ml of 0.1 M solution?

0.1 M والا 100 ملی لیٹر محلول میں کتنے گرام گلوکوز کی مقدار پائی جاتی ہے؟

Options :

1. ✖ 3.6 g

2. ✖ 180 g

3. ✔ 1.8g

4. ✖ 18 g

Question Number : 123 Question Id : 26449018395 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Milk is an example of _____

دودھ ۔۔۔۔ کی ایک مثال ہے۔

Options :

Sol

لسونت

1. ✖

gel

جل

2. ✖

emulsion

شیرہ

3. ✔

true solution

حقیقی محلول

4. ✖

Question Number : 124 Question Id : 26449018396 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In an adsorption process unimolecular layer is formed. It is

عمل جذب میں ایک سالمی پرت بنتی ہے جو.....ہے۔

Options :

Physical adsorption

طبعی جذب

1. ✖

Chemical adsorption

کیمیائی جذب

2. ✔

Ion-exchange

رواں۔تبادلہ

3. ✖

Chromatographic analysis

لون نگاری تشریح

4. ✖

Question Number : 125 Question Id : 26449018397 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The LCAO calculation shows that greater the overlap of the two combining atoms the energy is

LCAO تخمینہ کے مطابق دو جوہروں کے مضبوط انطباق سے توانائی

Options :

Increased

بڑھتی ہے

1. ✖

decreased

گھٹتی ہے

2. ✔

not changed

بدلتی نہیں

3. ✖

null

صفر

4. ✖

Question Number : 126 Question Id : 26449018398 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The bond order of Beryllium molecule is

بیریلیم سالمہ میں بند کا درجہ

Options :

1. ✖ 1

2. ✖ 2

3. ✖ 3

4. ✔ 0

Question Number : 127 Question Id : 26449018399 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Huckel rule of aromaticity is

اروماٹی سٹی کا ہیکل رول (قانون) یہ ہے۔

Options :

$4n \pi$ electrons

$4n \pi$ الکٹرانس

1. ✖

(4n+ 2) π electrons

(4n+2)π الکٹرانس

2. ✔

(4n+4) π electrons

(4n+4)π الکٹرانس

3. ✖

(n + 2) π electrons

(n+2)π الکٹرانس

4. ✖

Question Number : 128 Question Id : 26449018400 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Pyridine reacts with a mixture of HNO_3 and H_2SO_4 at 300^0C to give

300°C تپش پر "پائی ریڈین" HNO_3 اور H_2SO_4 کے آمیزوے تعامل کرنے پر _____ حاصل ہوتا ہے۔

Options :

1- Nitro pyridine

1۔نائٹرو پائی ریڈین

1. ✖

2- Nitro pyridine

2۔نائٹرو پائی ریڈین

2. ✖

3- Nitro pyridine

3۔نائٹرو پائی ریڈین

3. ✔

4- Nitro pyridine

4۔نائٹرو پائی ریڈین

4. ✖

Question Number : 129 Question Id : 26449018401 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is Bayer's reagent

Bayer's متعامل کیا ہے؟

Options :

Alkaline KMnO4

قلوی KMnO4

1. ✔

2, 4-Dinitrophenyl hydrazine

2، 4ـڈائی نائٹروفینائل ہائیڈروزین

2. ✖

Copper acetate/ acetic acid

کاپراسیٹیٹ /اسیٹک ترشہ

3. ✖

Ammoniacal $AgNO_3$

امونکل $AgNO_3$

4. ✖

Question Number : 130 Question Id : 26449018402 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Paramagnetic nature of oxygen is best explained by

آکسیجن کی پیرامقناطیسی نوعیت کو بہتر طور پر اس کے ذریعے سمجھا یا جاسکتا ہے۔

Options :

Valency Bond Theory

گرفتی بند نظریہ

1. ✖

Molecular Orbital Theory

2. ✔ سالمی آربٹال نظریہ

Hybridization

3. ✘ مخلوطیت

Valency shell electron Pair repulsion Theory

ویلنس شیل الیکٹران پیئر ریپلژن تھیوری

4. ✘

Question Number : 131 Question Id : 26449018403 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

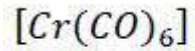Among the following which metal carbonyls, the CO bond order is lowest

ذیل کے اس دھاتی کاربونائل میں CO بندکا درجہ سب سے کم ہوتا ہے۔

Options :

$[V(CO)_6]^-$

1. ✔

$[Fe(CO)_5]$

2. ✘

$[Cr(CO)_6]$

3. ✖

$[Mn(CO)_6]^-$

4. ✖

Question Number : 132 Question Id : 26449018404 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is an amorphous solid?

ذیل میں یہ نقلی ٹھوس ہے۔

Options :

Graphite

گرافائیٹ

1. ✖

Quartz glass

کوارزگلاس

2. ✔

Chrome alum

کروم پھٹکری

3. ✖

Silicon carbide

سیلیکان کاربائیڈ

4. ✖

Question Number : 133 Question Id : 26449018405 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The atomic number beyond 92 are called

92 جوہری عدد والے عناصروں کو یہ کہا جاتا ہے۔

Options :

Uranium elements

یورینیم عناصر

1. ✖

transuranium elements

ٹرانس یورینیم عناصر

2. ✔

non-radiative elements

غیر تابکاری عناصر

3. ✖

transition metals

عبوری عناصر

4. ✖

Question Number : 134 Question Id : 26449018406 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following halogen compound used as antiseptic?

وذیل کا کون سالو نجی مرکب بطور دافع عفونت استعمال ہوتا ہے؟

Options :

Chloroform

کلوروفام

1. ✖

Iodoform

ایوڈوفام

2. ✔

carbon tetrachloride

کاربن ٹیٹرا کلورائیڈ

3. ✖

methylene chloride

میتھلین کلورائیڈ

4. ✖

Question Number : 135 Question Id : 26449018407 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The halide compound which is most reactive towards nucleophilic substitution reaction is

نیوکلوفلک تعامل میں کون ساہالیڈ مرکب بہت زیادہ تعامل پذیر ہوتا ہے۔

Options :

Chlorobenzene

کلوروبنزین

1. ✖

Vinyl halide

وینائل ہالائیڈ

2. ✖

Allyl halide

الیل ہالائیڈ

3. ✔

Iodobenzene

ایوڈو بنزین

4. ✖

Question Number : 136 Question Id : 26449018408 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Luca's reagent is a mixture of _____

لوکاس متعامل اس کا ایک آمیزہ ہے۔

Options :

Zn + HCl

1. ✔

Zn + HBr

2. ✖

Pd + HCl

3. ✖

Zn + HCl +Hg

4. ✖

Question Number : 137 Question Id : 26449018409 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Phenol is a stronger acid than

فینال ایک طاقتور ترشہ ہے اس کے مقابل

Options :

Nitrophenol

نائٹروفینال

1. ✖

Cresol

کریسیول

2. ✔

Resorcinol

رسورسنال

3. ✖

Carboxylic acid

کارباکزلک ترشہ

4. ✖

Question Number : 138 Question Id : 26449018410 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is formed in the Bayer-Villager oxidation ?

بیئر ۔ ولیجر تکسیدی عمل میں یہ حاصل ہوتا ہے۔

Options :

Amines

امین

1. ✖

Esters

ایسٹر

2. ✔

Ketones

کیٹون

3. ✖

Aldehydes

آلڈی ہائیڈس

4. ✖

Question Number : 139 Question Id : 26449018411 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following is most basic nature

ذیل میں کون سب سے زیادہ اساسی خاصیت رکھتا ہے۔

Options :

m-Nitro aniline

m۔نائٹرو اینلین

1. ✔

o- Nitroaniline

o۔نائٹرو اینلین

2. ✖

p- Nitroaniline

p۔ نائٹرو اینلین

3. ✖
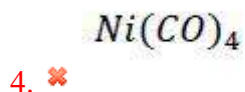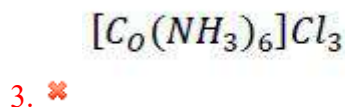
dinitroaniline

ڈائی نائٹرو دواینلین

4. ✖

Question Number : 140 Question Id : 26449018412 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Malonic ester reacts with urea in presence of POCl₃ to give _____

POCI3 کی موجودگی میں میلونک ایسٹر، یوریا کے ساتھ تعامل کرنے پر یہ حاصل ہوتا ہے۔

Options :

Veronal

ویرونال

1. ✖

Barbituric acid

باربیو ٹیرک ترشہ

2. ✔

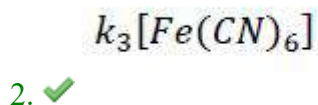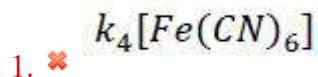Luminal

لومینال

3. ✖

Parabonic acid

پیرابونک ترشہ

4. ✖

Question Number : 141 Question Id : 26449018413 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of following does not obey the EAN rule?

ذیل میں کون EAN قانون کی پابندی نہیں کرتا؟

Options :

1. ✖ $k_4[Fe(CN)_6]$

2. ✔ $k_3[Fe(CN)_6]$
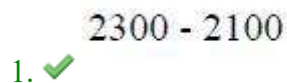
3. ✖ $[C_O(NH_3)_6]Cl_3$

4. ✖ $Ni(CO)_4$

Question Number : 142 Question Id : 26449018414 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The IR stretching frequencies of RC≡N is found in which region (in cm^{-1})

RC≡N کی IR تناؤ والا اتعدد کس علاقہ میں دیکھا جا سکتا ہے۔

Options :

1. ✔ 2300 - 2100

$12500 - 1400$

2. ✖

$3590 - 9420$

3. ✖

$2650 - 2950$

4. ✖

Question Number : 143 Question Id : 26449018415 Display Question Number : Yes Is Question Mandatory : No Calculator : None
Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

On Increasing the dilute solution, the specific conductance

محلول کو زیادہ ہلکا کیا جائے تو اس کی نوعی موصلیت کیا ہو گی؟

Options :

Zero

صفر

1. ✖

Increase

بڑھے گی

2. ✖

Decrease

گھٹے گی

3. ✔

Remains Constant

مستقلہ رہے گی

4. ✖

Question Number : 144 Question Id : 26449018416 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Two solutions with equal Osmotic pressure are called

ومساوی اوسموٹک دباؤرکھنے والے دو محلول کہلاتے ہیں

Options :

Isotonic solutions

آئیسوٹونک محلول

1. ✔

Hypertonic solutions

ہائپر ٹونک محلول

2. ✖

Hypotonic solutions

ہائپو ٹونک محلول

3. ✖

Normal solutions

نارمل محلول

4. ✖

Question Number : 145 Question Id : 26449018417 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The emf of a galvanic cell is determined using a

گیلوَنک خانہ کے emf کی پیائش اس سے کی جاتی ہے

Options :

Potentiometer

قوہ پیما

1. ✔

Voltameter

وولٹ پیما

2. ✖

Coulometer

کیولومیٹر

3. ✖

Ammeter

ایمپ پیا

4. ✖

Question Number : 146 Question Id : 26449018418 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following will decompose on passing electric current?

برقی رو گزارنے پر ذیل کی کون سی شئے تحلل ہو جائے گی؟

Options :

Glucose

گلوکوز

1. ✖

Urea

یوریا

2. ✖

Silver nitrate

3. سلور نائٹریٹ ✓

Ethyl alcohol

4. ایتھائیل الکوبل ✗

Question Number : 147 Question Id : 26449018419 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Phase Rule states

ہئیت کا قانون بیان کرتا ہے

Options :

1. $F+P = C-2$ ✗

2. $F+P = C+2$ ✓

3. $F+2 = P+C$ ✗

4. $F+P+C=2$ ✗

Question Number : 148 Question Id : 26449018420 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Nernst equation $E = E^0 - \frac{RT}{nF} lnQ$ indicates that the equilibrium constant Kc will be equal to Q when

نیرنسٹ مساوات $E = E^0 - \frac{RT}{nF} lnQ$ توازنی مستقلہ Kc کو ظاہر کرتی ہے جو Q کے مساوی ہوتی ہے۔

Options :

1. ✖ $E = E^0$

2. ✖ $E^0 = 1$

3. ✔ $E = 0$

4. ✖ $\frac{RT}{nF} = 1$

Question Number : 149 Question Id : 26449018421 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A reaction in which all reactants are in the same phase is called

وہ تعامل جس میں تمام متعاملات ایک ہی ہیئیت میں پائے جاتے ہیں ۔۔۔۔۔ کہلاتے ہیں۔

Options :

Elementary

ابتدائی

1. ✖

Bimolecular

دوسالمی

2. ✖

Homogeneous

متجانس

3. ✔

Heterogeneous

غیر متجانس

4. ✖

Question Number : 150 Question Id : 26449018422 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Arrhenius theory is applicable only to

ارہنس کا نظریہ صرف اس کے لیے قابل اطلاق ہے۔

Options :

Weak electrolyte

کمزور برق پاشیدے

1. ✔

Strong electrolyte

طاقتور برق پاشیدے

2. ✖

Non electrolyte

غیر برق پاشیدے

3. ✖

Both a & b

a اور b دونوں

4. ✖