

Question Paper Preview

Notations :

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

Subject Name :	Technician B Chemical
Duration :	90
Total Marks :	80
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	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?	No
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No

Show Progress Bar : No

Technician B Chemical

Group Number : 1

Group Id : 40255767

Group Maximum Duration : 0

Group Minimum Duration : 90

Show Attended Group? : No

Edit Attended Group? : No

Break time : 0

Group Marks : 80

Is this Group for Examiner? : No

Examiner permission : Cant View

Show Progress Bar? : No

Curriculum Based

Section Id : 40255767

Section Number : 1

Section type : Online

Mandatory or Optional : Mandatory

Number of Questions : 80

Number of Questions to be attempted : 80

Section Marks : 80

Enable Mark as Answered Mark for Review and Clear Response : Yes

Maximum Instruction Time : 0

Sub-Section Number : 1
Sub-Section Id : 40255767
Question Shuffling Allowed : Yes
Is Section Default? : null

Question Number : 1 Question Id : 4025575281 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33

Industries generating hazardous waste are classified as

- A. Brown
- B. Yellow
- C. Green
- D. Red

Options :

- ✖ A
- ✖ B
- ✖ C
- ✔ D

Question Number : 1 Question Id : 4025575281 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0
Correct Marks : 1 Wrong Marks : 0.33

उद्योगों से जनित्र जोखिम व्यर्थों को इससे वर्गीकृत किया जाता है

- A. भूरा
- B. पीला
- C. हरा
- D. लाल

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 2 Question Id : 4025575282 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which comes under mechanical occupational hazards?

- A. Noise
- B. Toxic
- C. Unskilled
- D. Unguarded machinery

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 2 Question Id : 4025575282 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

यांत्रिक व्यावसायिक जोखिम के अंतर्गत क्या आता है?

A. रव

B. विषैला

C. अकुशल

D. असुरक्षित मशीनें

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 3 Question Id : 4025575283 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

On which of the following types of surfaces should class A fire extinguisher not be used?

- A. Cloth
- B. Wood
- C. Paper
- D. Electric equipment

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 3 Question Id : 4025575283 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्नलिखित में से किस प्रकार के सतहों पर श्रेणी ए के अग्निशामक का प्रयोग नहीं करना चाहिए?

- A. कपड़ा
- B. लकड़ी
- C. कागज
- D. विद्युत उपकरण

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 4 Question Id : 4025575284 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In 1984, Bhopal gas tragedy was caused due to leakage of?

- A. Methyl Isocyanate
- B. Sodium Monoxide
- C. Sodium Thiocyanate
- D. Potassium Isocyanate

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 4 Question Id : 4025575284 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

1984 में, इसके रिसाव के कारण भोपाल गैस त्रासदी हुई थी?

- A. मिथाइल आइसोनेट
- B. सोडियम मोनोऑक्साइड
- C. सोडियम थाईसाइनेट
- D. पोटेशियम आइसोनेट

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 5 Question Id : 4025575285 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

At what decibels, sound starts becoming hazardous noise pollution?

A. Above 30

B. Above 80

C. Above 100

D. Above 120

Options :

✗ A

✓ B

✗ C

✗ D

Question Number : 5 Question Id : 4025575285 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

किस डेसिबल पर, आवाज़ जोखिम भरा ध्वनि प्रदूषण बनना आरंभ हो जाती है?

- A. 30 से ऊपर
- B. 80 से ऊपर
- C. 100 से ऊपर
- D. 120 से ऊपर

Options :

✗ A

✓ B

✗ C

✗ D

Question Number : 6 Question Id : 4025575286 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

How does photochemical smog form?

- A. The release of formaldehyde and radon inside buildings
- B. Reactions occur between secondary air pollutants and sunlight
- C. The release of primary air pollutants
- D. Interaction occurs between chemicals such as CFC and Ozone

Options :

✗ A

✓ B

✗ C

✗ D

Question Number : 6 Question Id : 4025575286 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

फोटोरासायनिक स्मॉग कैसे बनता है?

- A. भवनों के अंदर फार्मल्डीहाइड तथा रेडॉन की निर्मुक्ति
- B. द्वितीयक वायु प्रदूषकों तथा सूर्य के प्रकाश के बीच होनेवाली प्रतिक्रियाएं
- C. प्राथमिक वायु प्रदूषकों की निर्मुक्ति
- D. CFC तथा ओजोन जैसे रसायनों के बीच होनेवाली अंतर्क्रिया

Options :

✗ A

✓ B

✗ C

✗ D

Question Number : 7 Question Id : 4025575287 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The protocol which decided to completely phase out CFC is

- A. Catagena protocol
- B. Stockholm convection
- C. Montreal protocol
- D. Kyoto protocol

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 7 Question Id : 4025575287 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

CFC को पूर्ण रूप से हटाने का निर्णय किस प्रोटोकॉल के तहत किया गया?

- A. कैटाजिना प्रोटोकॉल
- B. स्टॉकहोम प्रोटोकॉल
- C. मॉन्ट्रियल प्रोटोकॉल
- D. क्योटो प्रोटोकॉल

Options :

✖ A

✖ B

✓ C

✗ D

Question Number : 8 Question Id : 4025575288 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Viscosity has the dimensions (where, M= Mass, L=Length and T=Time)?

A. $ML^{-1}T^{-1}$

B. $M^{-1}LT$

C. $ML^{-1}T^{-3}$

D. MLT^{-3}

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 8 Question Id : 4025575288 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

श्यानता का विमा (जहां , M= द्रव्यमान (Mass), L= लंबाई (Length) तथा T=समय(Time))?

A. $ML^{-1}T^{-1}$

B. $M^{-1}LT$

C. $ML^{-1}T^{-3}$

D. MLT^{-3}

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 9 Question Id : 4025575289 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The formula for hydraulic diameter is _____ where A=cross section area, P=wetted perimeter, V=volume.

A. $4A/P$

B. $4AP$

C. $4AV$

D. $4V$

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 9 Question Id : 4025575289 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

जहाँ A = अनुप्रस्थ काट क्षेत्रफल, P = नम परिधि, V = आयतन है, तो द्रवचालित
(हाइड्रोलिक) व्यास का सूत्र होगा।

A. $4A/P$

B. $4AP$

C. $4AV$

D. $4V$

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 10 Question Id : 4025575290 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Free surface of a liquid tends to contract to the smallest possible area due to force of

- A. Surface tension
- B. Friction
- C. Cohesion
- D. Viscosity

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 10 Question Id : 4025575290 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक द्रव का मुक्त पृष्ठ इस बल के कारण सबसे छोटे संभव क्षेत्रफल में सिकुड़ने लगता है

- A. पृष्ठ तनाव
- B. घर्षण
- C. संसंजन(कोहेसन)
- D. श्यानता (विस्कोसिटी)

Options :

✓ A

✗ B

✖ C

✖ D

Question Number : 11 Question Id : 4025575291 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which type of mechanical device is used to give energy to the liquid?

- A. Fluid power system
- B. Hydraulic system
- C. Pneumatic system
- D. Hydraulic pumps

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 11 Question Id : 4025575291 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

द्रव को ऊर्जा प्रदान करने के लिए किस प्रकार के यांत्रिक उपकरण का प्रयोग किया जाता है।

- A. तरल शक्ति प्रणाली
- B. द्रवचालित प्रणाली
- C. वातिल प्रणाली
- D. द्रवचालित पंप

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 12 Question Id : 4025575292 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In which flow, the velocity of fluid is constant on every point at a specified time?

- A. Steady flow
- B. Rotational flow
- C. Non-Steady flow
- D. Turbulent flow

Options :

✔ A

✖ B

✖ C

✖ D

Question Number : 12 Question Id : 4025575292 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

किस प्रवाह में, द्रव का वेग एक विशिष्ट समय पर प्रत्येक बिन्दु पर स्थिर होता है?

- A. स्थायी प्रवाह
- B. घूर्णनी प्रवाह
- C. अस्थायी प्रवाह
- D. विक्षुब्ध प्रवाह

Options :

✔ A

✖ B

✖ C

✖ D

Question Number : 13 Question Id : 4025575293 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In a manometer, the tube should contain a liquid whose specific gravity is _____ the specific gravity of the liquid whose pressure is to be measured?

- A. Greater than
- B. Half of
- C. Similar to
- D. Smaller than

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 13 Question Id : 4025575293 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक मैनोमीटर में, नलिका में द्रव है जिसका विशिष्ट गुरुत्व दाब का मापन किए जाने वाले द्रव के विशिष्ट गुरुत्व से.....है?

- A. अधिक है
- B. आधा है
- C. समान है
- D. कम है

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 14 Question Id : 4025575294 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In a reciprocating pump, air vessels are used to

- A. Smoothen the flow
- B. Reduce suction head
- C. Increase delivery head
- D. Reduce acceleration head

Options :

✗ A

✗ B

✗ C

✓ D

Question Number : 14 Question Id : 4025575294 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक व्युत्क्रमित पंप में, वायु पाद प्रयोग किए जाते हैं.....

- A. प्रवाह को सरल बनाने के लिए
- B. चूषण शीर्ष घटाने के लिए
- C. सुपुर्दगी शीर्ष बढ़ाने के लिए
- D. त्वरण शीर्ष घटाने के लिए

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 15 Question Id : 4025575295 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The dynamic viscosity of a liquid is $1.2 \times 10^{-4} \text{ Ns/m}^2$, whereas the density is 600 kg/m^3 .

The kinematic viscosity is m^2/s is

- A. 72×10^{-3}
- B. 20×10^{-8}
- C. 7.2×10^3
- D. 70×10^6

Options :

✖ A

✓ B

✗ C

✗ D

Question Number : 15 Question Id : 4025575295 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

द्रव की गतिक श्यानता $1.2 \times 10^{-4} \text{ Ns/m}^2$ है, जबकि घनत्व 600 kg/m^3 है। तो शुद्धगतिकी श्यानता m^2/s में क्या है

A. 72×10^{-3}

B. 20×10^{-8}

C. 7.2×10^3

D. 70×10^6

Options :

✗ A

✓ B

✗ C

✗ D

Question Number : 16 Question Id : 4025575296 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The specific speed (N_s) of the pump is given by the expression

A. $N_s = N \sqrt{Q} / H_m^{5/4}$

B. $N_s = N \sqrt{P} / H_m^{3/4}$

C. $N_s = N \sqrt{Q} / H_m^{3/4}$

D. $N_s = N \sqrt{P} / H_m^{5/4}$

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 16 Question Id : 4025575296 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

इस व्यंजक द्वारा दी गई पंप की विशिष्ट गति (N_s) है।

A. $N_s = N \sqrt{Q} / H_m^{5/4}$

B. $N_s = N \sqrt{P} / H_m^{3/4}$

C. $N_s = N \sqrt{Q} / H_m^{3/4}$

D. $N_s = N \sqrt{P} / H_m^{5/4}$

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 17 Question Id : 4025575297 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Heat transfer by convection is described by

- A. Fick's law
- B. Fourier law
- C. Newtons law of cooling
- D. Stefan-Boltzmann law

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 17 Question Id : 4025575297 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

संवहन द्वारा ऊष्मा अंतरणद्वारा दर्शाया जाता है।

- A. फिक का नियम
- B. फूरिये का नियम
- C. न्यूटन का शीतलन नियम
- D. स्टेफन-बोल्ज़मन नियम

Options :

✗ A

✗ B

✓ C

✗ D

Question Number : 18 Question Id : 4025575298 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

-----paint has maximum absorption coefficient

- A. Black
- B. White lead
- C. Grey
- D. Light cream

Options :

✓ A

✗ B

✖ C

✖ D

Question Number : 18 Question Id : 4025575298 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

----- पेन्ट का अवशोषण गुणांक सबसे अधिक है

- A. काला
- B. सफेद सीसा
- C. धूसर
- D. हल्का क्रीम

Options :

✔ A

✖ B

✖ C

✖ D

Question Number : 19 Question Id : 4025575299 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Log Mean Temperature Difference (LMTD) in case of counter flow compared to parallel flow?

- A. More
- B. Less
- C. Same
- D. Very less

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 19 Question Id : 4025575299 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

समानांतर प्रवाह की तुलना में काउंटर प्रवाह की स्थिति में लॉग औसत तापांतर (एलएमटीडी) होता है?

- A. अधिक
- B. कम
- C. समान
- D. बहुत कम

Options :

✓ A

✗ B

✖ C

✖ D

Question Number : 20 Question Id : 4025575300 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Heat transfer takes place according to which of the following law?

- A. Newton's second law of motion
- B. First law of thermodynamics
- C. Newton's law of cooling
- D. Second law of thermodynamics

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 20 Question Id : 4025575300 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्नलिखित में से किस नियम के अनुसार ऊष्मा अंतरण होता है?

- A. न्यूटन का गति का द्वितीय नियम
- B. ऊष्मागतिकीय का प्रथम नियम
- C. न्यूटन का शीतलन का नियम
- D. ऊष्मागतिकीय का द्वितीय नियम

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 21 Question Id : 4025575301 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The units of resistance to heat transfer are?

- A. $\text{Jm}^{-2}\text{K}^{-1}$
- B. $\text{Jm}^{-1}\text{K}^{-1}$
- C. $\text{Wm}^{-2}\text{K}^{-1}$
- D. $\text{W}^{-1}\text{m}^2\text{K}$

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 21 Question Id : 4025575301 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

ऊष्मा अंतरण के प्रतिरोध की इकाई है

A. $\text{Jm}^{-2}\text{K}^{-1}$

B. $\text{Jm}^{-1}\text{K}^{-1}$

C. $\text{Wm}^{-2}\text{K}^{-1}$

D. $\text{W}^{-1}\text{m}^2\text{K}$

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 22 Question Id : 4025575302 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Asbestos is _____ type of insulating material.

- A. Synthetic polymers-thermo setting
- B. Organic solid insulating material
- C. Inorganic solid insulating material
- D. Synthetic polymers-thermoplastic

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 22 Question Id : 4025575302 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

ऐस्बेस्टस प्रकार की तापरोधी सामग्री है।

- A सांश्लेषिक बहुलक-ताप सेटिंग
- B जैविक ठोस तापरोधी सामग्री
- C अजैविक ठोस तापरोधी सामग्री
- D सांश्लेषिक बहुलक -ताप सुघट्य

Options :

✖ A

✖ B

✓ C

✗ D

Question Number : 23 Question Id : 4025575303 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Fourier's law of heat conduction is valid for

- A. One dimensional cases only
- B. Two dimensional cases only
- C. Three dimensional cases only
- D. Regular surfaces having non-uniform temperature

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 23 Question Id : 4025575303 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

फौरियर का ऊष्मा चालकता का नियम ---- के लिए सही है

- A. केवल एक आयामी मामलों
- B. केवल द्वि-आयामी मामलों
- C. केवल त्रि-आयामी मामलों
- D. असमान तापमान वाले नियमित पृष्ठों

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 24 Question Id : 4025575304 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Heat is mainly transferred by conduction, convection and radiation in?

- A. Insulated pipes carrying hot water
- B. Refrigerator freezer coil
- C. Boiler furnaces
- D. Condensation of steam in a condenser

Options :

✗ A

✖ B

✔ C

✖ D

Question Number : 24 Question Id : 4025575304 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

ऊष्मा मुख्यतः चालक, संवहन एवं इनमें विकिरण द्वारा संप्रेषित होती है?

- A. गर्म जल से बहनेवाले रोधित पाइप
- B. प्रशीतित्र हिमकारित्र कॉइल
- C. बॉइलर फरनेसेस
- D. संधारित्र में भाप का संघनन

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 25 Question Id : 4025575305 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In thermal radiation for a black body (where, ϵ is emissivity and α is absorptivity)

A. $\alpha = 1; \epsilon \neq 1$

B. $\alpha \neq 1; \epsilon = 1$

C. $\alpha \neq 1; \epsilon \neq 1$

D. $\alpha = 1; \epsilon = 1$

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 25 Question Id : 4025575305 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक कृष्णिका के तापीय विकिरण में (जहां, ϵ है उत्सर्जकता और α है अवशोषकता)

A. $\alpha = 1; \epsilon \neq 1$

B. $\alpha \neq 1; \epsilon = 1$

C. $\alpha \neq 1; \epsilon \neq 1$

D. $\alpha = 1; \epsilon = 1$

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 26 Question Id : 4025575306 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Colloidal mills are used for -----grinding.

- A. Coarse
- B. Fine
- C. Intermediate
- D. Ultrafine

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 26 Question Id : 4025575306 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

कोलाइडल मिल्स का उपयोग _____ पिसाई के लिए होता है

- A. स्थूल
- B. सूक्ष्म
- C. मध्यवर्ती
- D. अतिसूक्ष्म

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 27 Question Id : 4025575307 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Residue is the term given to the solid obtained from

- A. Crystallization
- B. Filtration
- C. Chromatography
- D. None of these

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 27 Question Id : 4025575307 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

----- द्वारा प्राप्त ठोस को अवशिष्ट कहा जाता है।

- A. क्रस्टलीकरण
- B. निस्पंदन
- C. क्रोमेटोग्राफी
- D. इनमें से कोई नहीं

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 28 Question Id : 4025575308 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A rotameter works on the principle of variable

- A. Pressure
- B. Length
- C. Area
- D. Resistance

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 28 Question Id : 4025575308 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक वक्र रेखामापी के परिवर्तनीय आधार पर कार्य करता है।

- A. दाब
- B. लंबाई
- C. क्षेत्र
- D. प्रतिरोध

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 29 Question Id : 4025575309 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following process is used to separate insoluble particles from liquids?

A. Extraction

B. Filtration

C. Drying

D. Sieving

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 29 Question Id : 4025575309 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

द्रव से अविलयित कणों को अलग करने के लिए निम्नलिखित में से किस प्रक्रिया का प्रयोग किया जाता है?

- A. निष्कर्षण
- B. निस्पंदन
- C. शुष्कन
- D. छानन

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 30 Question Id : 4025575310 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which one of the following filter is used for filtration of large quantities of free filtering material?

- A. Leaf filter
- B. Rotary drum filter
- C. Filter press
- D. Plate and frame filter

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 30 Question Id : 4025575310 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

फ्री फिल्टरिंग सामग्री की बड़ी मात्रा का फिल्ट्रेशन करने के लिए निम्नलिखित में से कौन सा फिल्टर प्रयोग किया जाता है?

- A. लीफ फिल्टर
- B. रोटेरी ड्रम फिल्टर
- C. फिल्टर प्रेस
- D. प्लेट एवं फ्रेम फिल्टर

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 31 Question Id : 4025575311 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Mixer used for rubber compounding is

- A. Mixer extruder
- B. Banbury internal mixer
- C. Muller mixer
- D. Pug mill

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 31 Question Id : 4025575311 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

रबर कंपाउंडिंग के लिए प्रयुक्त मिश्रक है

- A. मिश्रक एक्सट्रूडर
- B. बैंबुरी आंतरिक मिश्रक
- C. मल्लर मिश्रक
- D. पग मिल

Options :

✖ A

✓ B

✗ C

✗ D

Question Number : 32 Question Id : 4025575312 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

In a venturi meter, the divergent cone is kept

- A. Shorter than convergent cone
- B. Equal to convergent cone
- C. Longer than convergent cone
- D. Above the convergent cone

Options :

✗ A

✗ B

✓ C

✗ D

Question Number : 32 Question Id : 4025575312 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

वेंचुरी मीटर में अपसारी शंकु

- A. अभिसारी शंकु से छोटा होता है
- B. अभिसारी शंकु के बराबर होता है
- C. अभिसारी शंकु से लंबा होता है
- D. अभिसारी शंकु के ऊपर होता है

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 33 Question Id : 4025575313 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Power required to drive a centrifugal pump is directly proportional to ----- of its
impeller.

- A. D
- B. D^2
- C. D^3
- D. D^4

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 33 Question Id : 4025575313 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

अपकेंद्री पंप के चालन हेतु आवश्यक शक्ति इसके प्रणोदक के ----- के समानुपाती होती है।

A. D

B. D^2

C. D^3

D. D^4

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 34 Question Id : 4025575314 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

By adding solute in the solvent?

- A. The boiling point of solution decreases
- B. The freezing point of solution increases
- C. The vapor pressure of solution decreases
- D. The boiling point of solution remains constant

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 34 Question Id : 4025575314 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

विलायक में विलेय जोड़ने पर?

- A. विलयन का क्वथनांक घटता है
- B. विलयन का हिमांक बढ़ता है
- C. विलयन का वाष्प दाब घटता है
- D. विलयन का क्वथनांक स्थिर रहता है

Options :

✖ A

✖ B

✓ C

✗ D

Question Number : 35 Question Id : 4025575315 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

----- is an example of transition fit.

- A. Running fit
- B. Expansion fit
- C. Wringing fit
- D. Shrinkage fit

Options :

✗ A

✗ B

✓ C

✗ D

Question Number : 35 Question Id : 4025575315 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

----- संक्रमण अन्वायोजन का एक उदाहरण है।

- A. चालन अन्वायोजन
- B. प्रसार अन्वायोजन
- C. संसंजन अन्वायोजन
- D. संकुचन अन्वायोजन

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 36 Question Id : 4025575316 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is used to block the pipe at one end?

- A. Plug
- B. Reducer
- C. Union
- D. Coupling

Options :

✔ A

✖ B

✖ C

✖ D

Question Number : 36 Question Id : 4025575316 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक छोर पर पाइप को बंद (block) करने के लिए निम्नलिखित में से किसका प्रयोग किया जाता है?

- A. प्लग
- B. रिड्यूसर
- C. यूनियन
- D. कपलिंग

Options :

✔ A

✖ B

✖ C

✖ D

Question Number : 37 Question Id : 4025575317 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which is used to connect two pipes of different diameters?

- A. Elbow
- B. Plug
- C. Caps
- D. Reducer coupling

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 37 Question Id : 4025575317 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

भिन्न व्यास के दो पाइपों को जोड़ने के लिए किसका प्रयोग किया जाता है।

- A एल्बो
- B प्लग
- C कैप्स
- D रिड्यूसर कपलिंग

Options :

✖ A

✖ B

✖ C

✓ D

Question Number : 38 Question Id : 4025575318 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the velocity ratio (driver: driven) of two gears if the driver gear has 15 teeth and driven gear has 5 teeth?

A. 1:3

B. 2:1

C. 3:1

D. 4:3

Options :

✗ A

✗ B

✓ C

✗ D

Question Number : 38 Question Id : 4025575318 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

यदि ड्राइवर गियर में 15 दांत हैं और ड्राइवेन गियर में 5 दांत हैं तो दो गियरों का वेग अनुपात (ड्राइवर: ड्राइवेन) क्या है?

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

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 39 Question Id : 4025575319 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Following is not a part of micrometer

- A. Thimble
- B. Ratchet stop screw
- C. Beam
- D. Anvil

Options :

✖ A

✖ B

✓ C

✗ D

Question Number : 39 Question Id : 4025575319 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्न में से यह माइक्रोमीटर का भाग नहीं है

A. थिम्बल

B. रैचेट स्टॉप पेंच

C. बीम

D. अन्विल

Options :

✗ A

✗ B

✓ C

✗ D

Question Number : 40 Question Id : 4025575320 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The accuracy of micrometer, calipers, dial indicators can be checked by a

- A. Feeler gauge
- B. Slip gauge
- C. Ring gauge
- D. Plug gauge

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 40 Question Id : 4025575320 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

माइक्रोमीटर, कैलिपर, डायल इंडीकेटर की सटीकता की जांच.....के द्वारा की जा सकती है

- A. फीलर गेज
- B. स्लिप गेज
- C. रिंग गेज
- D. प्लग गेज

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 41 Question Id : 4025575321 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Axial thrust is not there in which of the following gears?

A. Double helical gear

B. Bevel gear

C. Spiral gear

D. Single helical gear

Options :

✔ A

✖ B

✖ C

✖ D

Question Number : 41 Question Id : 4025575321 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्नलिखित में से किस गियर में अक्षीय प्रणोद नहीं होता है?

- A. द्वि हेलिकल गियर
- B. बेवल गियर
- C. सर्पिल गियर
- D. एकल हेलिकल गियर

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 42 Question Id : 4025575322 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following metals is called metallic glass ?

- A. Lead
- B. Molybdenum
- C. Tantalum
- D. Titanium

Note: For this question, discrepancy is found in

question/answer. Full Marks is being awarded to all candidates.

Options :

- A
- B
- C
- D

Question Number : 42 Question Id : 4025575322 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्न में से कौन सी धातु धात्विक कांच कहलाता है?

- A. सीसा
- B. मॉलिब्डेनम
- C. टैंटालम
- D. टाइटेनियम

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :

- A
- B

C

D

Question Number : 43 Question Id : 4025575323 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Raoult's law applies to

- A. All liquid solutions
- B. Only non-ideal solution
- C. Nonvolatile solute
- D. The solvents

Options :

✘ A

✘ B

✘ C

✔ D

Question Number : 43 Question Id : 4025575323 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

राउल्ट का नियम --- पर लागू होता है

- A. सभी द्रव विलयनों
- B. केवल गैर-आदर्श विलयनों
- C. अवाष्पशील विलेय
- D. विलायकों

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 44 Question Id : 4025575324 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Dry bulb temperature of the gas is ----- the wet bulb temperature

- A. Less than
- B. More than
- C. Equal to
- D. None of these

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 44 Question Id : 4025575324 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

गैस का शुष्क बल्ब तापमान आर्द्र बल्ब तापमान से.....होता है।

A. कम

B. अधिक

C. समान

D. उपरोक्त में से कोई नहीं

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 45 Question Id : 4025575325 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Physical adsorption is

- A. An irreversible phenomenon
- B. A reversible phenomenon
- C. Involves covalent chemical bonds
- D. None of the above

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 45 Question Id : 4025575325 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

भौतिक अधिशोषण है

- A. एक अप्रतिक्रम्य घटना
- B. एक प्रतिक्रम्य घटना
- C. सहसंयोजक रसायनिक बॉण्ड को सम्मिलित करना
- D. उपरोक्त में से कोई नहीं

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 46 Question Id : 4025575326 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

During humidification process the dry bulb temperature_____

- A. Decreases
- B. Increases
- C. Remains same
- D. Tends to zero

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 46 Question Id : 4025575326 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

आर्द्रीकरण की प्रक्रिया के दौरान शुष्क बल्ब का तापमान ----- है

A. घटता

B. बढ़ता

C. एकसमान रहता

D. शून्य की ओर जाता

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 47 Question Id : 4025575327 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Relative volatility is the measure of separation by?

- A. Evaporation
- B. Cooling
- C. Distillation
- D. Crystallization

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 47 Question Id : 4025575327 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

इसके द्वारा सापेक्ष वाष्पशीलता, पृथक्करण का मापन है?

- A. वाष्पीकरण
- B. शीतलन
- C. आसवन
- D. क्रिस्टलीकरण

Options :

✖ A

✖ B

✓ C

✗ D

Question Number : 48 Question Id : 4025575328 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is the driving force for evaporation to take place?

- A. Difference in partial pressure
- B. Difference if temperature
- C. Difference in pressure
- D. Difference in concentration

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 48 Question Id : 4025575328 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

वाष्पीकरण होने के लिए चालन बल क्या होता है?

- A. आंशिक दाब में अंतर
- B. तापमान में अंतर
- C. दाब में अंतर
- D. सांद्रण में अंतर

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 49 Question Id : 4025575329 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is Azeotropic mixture?

- A. Air-Water
- B. Air-Alcohol
- C. Acetic acid - Water
- D. Acetic acid - Alcohol

Options :

✗ A

✗ B

✓ C

✗ D

Question Number : 49 Question Id : 4025575329 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्न में से स्थिरकथनीय (ऐज़ियोट्रोपिक) मिश्रण कौन सा है?

- A. वायु-जल
- B. वायु-ऐल्कोहॉल
- C. ऐसीटिक अम्ल – जल
- D. ऐसीटिक अम्ल - ऐल्कोहॉल

Options :

✘ A

✘ B

✔ C

✘ D

Question Number : 50 Question Id : 4025575330 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Total reflux in a distillation operation depends on

- A. Condenser load
- B. Reboiler load
- C. Number of plates
- D. All of these

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 50 Question Id : 4025575330 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक आसवन प्रचालन में कुल प्रतिवर्त किस पर निर्भर करता है

- A. संघनित्र भार
- B. रिबॉयलर भार
- C. प्लेटों की संख्या
- D. उपरोक्त सभी

Options :

✖ A

✖ B

✓ C

✗ D

Question Number : 51 Question Id : 4025575331 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is called the particulate pollutants?

- A. Ozone
- B. Ethylene
- C. Fly ash
- D. Radon

Options :

✗ A

✗ B

✓ C

✗ D

Question Number : 51 Question Id : 4025575331 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्नलिखित में से किसको पार्टिक्युलेट प्रदूषक कहते हैं?

- A. ओजोन
- B. ईथीलेन
- C. फ्लाई ऐश
- D. रेडन

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 52 Question Id : 4025575332 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements are true about CNG- Compressed Natural Gas?

- A. Harmful fuel
- B. Polluting fuel
- C. Clean fuel
- D. All of the above

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 52 Question Id : 4025575332 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्नलिखित में से कौन सा कथन सीएनजी-संपीडित प्राकृतिक गैस के बारे में सही है।

- A. नुकसानदायक ईंधन
- B. प्रदूषक ईंधन
- C. स्वच्छ ईंधन
- D. उपरोक्त सभी

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 53 Question Id : 4025575333 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Main constituent of natural rubber is

- A. Polystyrene
- B. Polyisoprene
- C. Polybutadiene
- D. polychloroprene

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 53 Question Id : 4025575333 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

प्राकृतिक रबड़ का मुख्य घटक क्या है?

- A. पॉलिस्टाइरीन
- B. पॉलिआइसोप्रीन
- C. पॉलिब्यूटाडीन
- D. पॉलिक्लोरोप्रीन

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 54 Question Id : 4025575334 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is not separated by distillation?

- A. Chloroform and aniline
- B. Milk and water
- C. Acetone and water
- D. Impurities in seawater

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 54 Question Id : 4025575334 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

आसवन द्वारा निम्न में से किसे अलग नहीं किया जा सकता है?

- A. क्लोरोफॉर्म एवं ऐनिलीन
- B. दूध तथा पानी
- C. ऐसिटोन एवं पानी
- D. सागर के जल से अशुद्धियां

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 55 Question Id : 4025575335 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following statements is true about SMOG?

- A. SMOG is derived from the fog
- B. SMOG is derived from water vapour
- C. SMOG is derived from smoke
- D. SMOG is derived from fog and smoke

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 55 Question Id : 4025575335 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

स्मॉग के बारे में निम्नलिखित में से कौन सा कथन सही है।

A कोहरे से स्मॉग निकलता है।

B जल वाष्प से स्मॉग निकलता है।

C धुँए से स्मॉग निकलता है।

D कोहरे एवं धुँए से स्मॉग निकलता है।

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 56 Question Id : 4025575336 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Methyl orange indicator turns

- A. Orange yellow in alkaline medium
- B. Orange yellow in acid medium
- C. Colorless in acidic medium
- D. Colorless in basic medium

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 56 Question Id : 4025575336 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

मिथाइल ऑरेंज संकेतक बदलता है

- A. क्षारीय (अल्कालाइन) माध्यम में नारंगी पीला (ऑरेंज येल्लो)
- B. अम्ल (एसिड) माध्यम में नारंगी पीला (ऑरेंज येल्लो)
- C. अम्लीय (एसिडिक) माध्यम में रंगहीन
- D. क्षार (बेसिक) माध्यम में रंगहीन

Options :

✓ A

✗ B

✖ C

✖ D

Question Number : 57 Question Id : 4025575337 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Fractional distillation is a process of separation of

- A. One miscible and one miscible liquid
- B. Two miscible liquids
- C. Two immiscible liquids
- D. None of the above

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 57 Question Id : 4025575337 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

आंशिक आसवन ----- के पृथक्करण की प्रक्रिया है

- A. एक मिश्रणीय और एक मिश्रणीय द्रव
- B. दो मिश्रणीय द्रव
- C. दो अमिश्रणीय द्रव
- D. उपरोक्त में से कोई नहीं

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 58 Question Id : 4025575338 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Mixture of o-nitrophenol and p-nitrophenol can be separated by

- A. Crystallisation
- B. Sublimation
- C. Chromatography
- D. Steam distillation

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 58 Question Id : 4025575338 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

ओ -नाइट्रोफेनल एवं पी-नाइट्रोफेनल के मिश्रण को किसके द्वारा पृथक किया
जाता है।

A क्रिस्टलीकरण

B ऊर्ध्व पातन

C क्रोमेटोग्राफी

D भाप आसवन

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 59 Question Id : 4025575339 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following is a method of heat transfer?

- A. Convection
- B. Radiation
- C. Conduction
- D. All of the above

Options :

✘ A

✘ B

✘ C

✔ D

Question Number : 59 Question Id : 4025575339 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्न में से ऊष्मा अंतरण की पद्धति कौन सी है।

- A. संवहन
- B. विकिरण
- C. चालन
- D. उपरोक्त सभी

Options :

✘ A

✘ B

✖ C

✔ D

Question Number : 60 Question Id : 4025575340 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Half of 1 percent written in decimal is

A. 5

B. 0.5

C. 0.05

D. 0.005

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 60 Question Id : 4025575340 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

1 प्रतिशत के आधे को दशमलव में लिखेंगे

- A. 5
- B. 0.5
- C. 0.05
- D. 0.005

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 61 Question Id : 4025575341 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

1 micron is equal to?

- A. 10^{-4} m
- B. 10^{-6} m
- C. 10^{-8} m
- D. 10^{-12} m

Options :

✖ A

✓ B

✗ C

✗ D

Question Number : 61 Question Id : 4025575341 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

1 माइक्रोन बराबर होता है?

A. 10^{-4} मी.

B. 10^{-6} मी.

C. 10^{-8} मी.

D. 10^{-12} मी.

Options :

✗ A

✓ B

✗ C

✗ D

Question Number : 62 Question Id : 4025575342 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

1 km/h = ? m/s

A. 5/18

B. 3/50

C. 18/5

D. 50/3

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 62 Question Id : 4025575342 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

1 कि.मी./घंटा = ? मी./सेकेंड

A. 5/18

B. 3/50

C. 18/5

D. 50/3

Options :

✓ A

✖ B

✖ C

✖ D

Question Number : 63 Question Id : 4025575343 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A polynomial of degree two is called

- A. a linear polynomial
- B. a quadratic polynomial
- C. a cubic polynomial
- D. a biquadratic polynomial

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 63 Question Id : 4025575343 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

डिग्री दो का बहुपद (पॉलिनोमियल) कहलाता है

- A. एक रेखीय बहुपद
- B. एक द्विघात बहुपद
- C. एक घनीय बहुपद
- D. एक द्विचतुर्घात बहुपद

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 64 Question Id : 4025575344 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Find the radius of a circle whose circumference is given as 95 cm ($\pi=3.14$)

- A. 18.32 cm
- B. 14.91 cm
- C. 15.13 cm
- D. 15.41 cm

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 64 Question Id : 4025575344 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक वृत्त की त्रिज्या ज्ञात करें जिसकी परिधि 95 सेमी. दी गई है ($\pi=3.14$)

A. 18.32 से.मी.

B. 14.91 से.मी.

C. 15.13 से.मी.

D. 15.41 से.मी.

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 65 Question Id : 4025575345 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Sum of squares of two numbers is 145. If square root of one number is 3, find the other number?

A. 136

B. 9

C. 64

D. 8

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 65 Question Id : 4025575345 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

दो संख्याओं का वर्ग 145 है। यदि एक संख्या का वर्गमूल 3 है तो अन्य संख्या ज्ञात करें?

A. 136

B. 9

C. 64

D. 8

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 66 Question Id : 4025575346 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

If $(\sin \phi \times \cos \phi) = \frac{1}{2}$, then $\phi = ?$

A. 0°

B. 30°

C. 45°

D. 60°

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 66 Question Id : 4025575346 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

यदि $(\sin \Phi \times \cos \Phi) = 1/2$, तो $\Phi = ?$

- A. 0°
- B. 30°
- C. 45°
- D. 60°

Options :

✗ A

✗ B

✓ C

✗ D

Question Number : 67 Question Id : 4025575347 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A train crosses a platform of length 300 m in 18 s. What is the average speed of the train?

- A. 60 Km/hr.
- B. 30 Km/hr.
- C. 54 Km/hr.
- D. 6 Km/hr.

Options :

✓ A

✗ B

✖ C

✖ D

Question Number : 67 Question Id : 4025575347 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक ट्रेन 300 मी. लंबे प्लेटफॉर्म को 18 से. में पार करती है। ट्रेन की औसत गति कितनी है ?

- A. 60 कि. मी./घंटा
- B. 30 कि. मी./घंटा
- C. 54 कि. मी./घंटा
- D. 6 कि. मी./घंटा

Options :

✔ A

✖ B

✖ C

✖ D

Question Number : 68 Question Id : 4025575348 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Area of a triangle whose sides are 5 cm, 12 cm and 13 cm

- A. 25 cm^2
- B. 30 cm^2
- C. 32.5 cm^2
- D. 75 cm^2

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 68 Question Id : 4025575348 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक त्रिभुज जिसकी भुजाएं 5 cm, 12 cm तथा 13 cm हैं, का क्षेत्रफल है

- A. 25 cm^2
- B. 30 cm^2
- C. 32.5 cm^2
- D. 75 cm^2

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 69 Question Id : 4025575349 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

An object with a specific mass will weigh

- A. Zero on earth
- B. Less on earth than on the moon
- C. More on earth than on the moon
- D. Equal on the earth and the moon

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 69 Question Id : 4025575349 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

विशिष्ट भार युक्त किसी वस्तु का वजन होगा

- A. पृथ्वी पर शून्य
- B. चन्द्रमा की अपेक्षा पृथ्वी पर कम
- C. चन्द्रमा की अपेक्षा पृथ्वी पर अधिक
- D. पृथ्वी तथा चन्द्रमा पर एक समान

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 70 Question Id : 4025575350 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Bonds present in sodium chloride is

- A. Conjugate bond
- B. Ionic bond
- C. Covalent bond
- D. None of the above

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 70 Question Id : 4025575350 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

सोडियम क्लोराइड में उपलब्ध आबंध है।

- A. संयुग्मी आबंध
- B. आयनिक आबंध
- C. सहसंयोजक आबंध
- D. उपर्युक्त से कोई भी नहीं

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 71 Question Id : 4025575351 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Functional group of primary amine is

- A. -OH
- B. -COOH
- C. -CHO
- D. -NH₂

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 71 Question Id : 4025575351 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

प्राइमरी ऐमीन का फलन (फंक्शनल) ग्रुप है।

- A. -OH
- B. -COOH
- C. -CHO
- D. -NH₂

Options :

✖ A

✖ B

✖ C

✓ D

Question Number : 72 Question Id : 4025575352 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The boiling of water inside the pressure cooker is

- A. 0 °C
- B. 100 °C
- C. Above 100 °C
- D. -50 °C

Options :

✗ A

✗ B

✓ C

✗ D

Question Number : 72 Question Id : 4025575352 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

प्रेसर कुकर के अंदर जल कितने सेल्सियस पर उबलता है।

- A. 0° से.
- B. 100° से.
- C. 100° से. से ऊपर
- D. -50° से.

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 73 Question Id : 4025575353 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

How much kinetic energy does a 160g cricket ball have when it is thrown at a speed of

22 m/s?

- A. 176 J
- B. 1.76 J
- C. 3872 J
- D. 38.72 J

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 73 Question Id : 4025575353 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

22 m/s की गति में 160 ग्रा. की क्रिकेट बॉल को फेंकने पर उसकी गतिक ऊर्जा
..... होती है।

A. 176 J

B. 1.76 J

C. 3872 J

D. 38.72 J

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 74 Question Id : 4025575354 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

C_3H_8 belongs to the homologous series of

- A. Alkynes
- B. Alkenes
- C. Alkanes
- D. Cycloalkanes

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 74 Question Id : 4025575354 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

C_3H_8 किस समजातीय वर्ग से संबंधित है

- A. एल्कीनेस
- B. एल्केनेस
- C. एल्कानेस
- D. साइक्लोलकानेस

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 75 Question Id : 4025575355 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The relative motion between the adjacent layers of a fluid in motion is called viscous force. Which of the following suits the best in the sentence?

- A. Effects at some conditions
- B. Never effects
- C. Opposes
- D. Facilitates

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 75 Question Id : 4025575355 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

गतिशील द्रव की समायोजित परतों के बीच सापेक्ष गति श्यानता बल कहलाती है। वाक्य में निम्न में से कौन सा कथन उपयुक्त लगता है?

- A. कुछ स्थितियों पर प्रभाव
- B. कोई प्रभाव नहीं
- C. विपरीतार्थक
- D. सुविधा उपलब्ध कराता

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 76 Question Id : 4025575356 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Which of the following will undergo addition reactions?

- A. CH_4
- B. C_3H_8
- C. C_2H_6
- D. C_2H_4

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 76 Question Id : 4025575356 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

निम्नलिखित में से कौन-सा योगज अभिक्रिया (अडिशन रिएक्शन) की अवस्था से गुज़रेगी ?

A. CH_4

B. C_3H_8

C. C_2H_6

D. C_2H_4

Options :

✖ A

✖ B

✖ C

✔ D

Question Number : 77 Question Id : 4025575357 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

The wave length band of visible light is in the range

- A. 100-300 nm
- B. 350-700 nm
- C. 700-900 nm
- D. 80-100 nm

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 77 Question Id : 4025575357 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

दृश्य प्रकाश की तरंग दैर्घ्य का परास क्या है?

- A. 100-300 nm
- B. 350-700 nm
- C. 700-900 nm
- D. 80-100 nm

Options :

✖ A

✔ B

✖ C

✖ D

Question Number : 78 Question Id : 4025575358 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

A current of 1A is drawn by a filament of an electric bulb. Number of electrons passing through a cross-section of filament in 16 seconds would be roughly

A. 10^{20}

B. 10^{16}

C. 10^{18}

D. 10^{23}

Options :

✔ A

✖ B

✖ C

✖ D

Question Number : 78 Question Id : 4025575358 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

एक इलेक्ट्रिक बल्ब के फिलामेंट द्वारा 1A धारा ली जाती है। 16 सेकेण्डों में फिलामेंट के अनुप्रस्थ काट द्वारा गुजरने वाले इलेक्ट्रॉनों की संख्या लगभग होगी

- A. 10^{20}
- B. 10^{16}
- C. 10^{18}
- D. 10^{23}

Options :

✓ A

✗ B

✗ C

✗ D

Question Number : 79 Question Id : 4025575359 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

What is viscosity?

- A. Resistance to flow of object
- B. Resistance to flow of air
- C. Resistance to flow of fluid
- D. Resistance to flow of heat

Options :

✗ A

✖ B

✔ C

✖ D

Question Number : 79 Question Id : 4025575359 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

श्यानता क्या होती है?

- A. वस्तु के प्रवाह में प्रतिरोध
- B. वायु के प्रवाह में प्रतिरोध
- C. तरल के प्रवाह में प्रतिरोध
- D. ऊष्मा के प्रवाह में प्रतिरोध

Options :

✖ A

✖ B

✔ C

✖ D

Question Number : 80 Question Id : 4025575360 Question Type : MCQ Option Shuffling : No Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

Evaporators in which pumps are used to force the evaporating liquid through the tubes are called

- A. Horizontal tube evaporator
- B. Vertical tube evaporator
- C. Vacuum pan evaporator
- D. Forced circulation evaporator

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :

- A
- B
- C
- D

Question Number : 80 Question Id : 4025575360 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.33

वाष्पक जिसमें पंप का इस्तेमाल नलिकाओं द्वारा द्रव के वाष्पन को बल दिया जाता है, कहलाता है

- A. क्षैतिज नली वाष्पक
- B. ऊर्ध्वाधर नली वाष्पक
- C. वात पैन वाष्पक
- D. बलित परिचालन वाष्पक

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Options :

- A
- B
- C
- D