

Navodaya Vidyalaya Samiti

(An Autonomous Body Under MHRD) Government of India

Roll No.	
Participant Name	
Test Center Name	
Test Date	
Test Time	
Subject	PGT CHEMISTRY

Section: General (English & Hindi)

Select the most appropriate synonym of the given word.

CONCEAL

Ans 1 hide

X 2. reveal

X 3. repel

X 4. compel

Question ID: 5096477014

Status: Answered

Chosen Option: 2

Q.2 Select the correctly spelt word.

Ans X 1. mischiefous

√ 2. mischievous

X 3. mischevious

X 4. mischeivous

Question ID: 5096477017

Status: Answered

Chosen Option: 2

Q.3 The following sentence has been divided into three parts. One of them may be incorrect. Choose the incorrect part from the given options. If there is no error, mark 'No error' as the answer.

I could not understand /his speech /so I did not know French.

Ans

X 1 No error

✓ 2. so I did not know French

X 3. I could not understand

X 4. his speech

Question ID: 5096477022

Status: Answered

	Select the most appropriate option to fill in the blan	ık.	
	We took the metro reach the station in time.		
Ans	X 1. as long as	•	
	× 2. while		
	✓ 3. in order to		
	× 4. in case		
	in case		
		Question ID : 5096477010 Status : Answered	
		Chosen Option : 3	
Q.5	Select the most appropriate phrase to replace the underlined word in	the given contained	
Q. 0	select the most appropriate phrase to replace the underfined word in	the given sentence.	
	The operation has been successful. Your father will certainly recover	÷	
Ans	X 1. pull up		
	× 2. pull out		
	× 3. pull in		
	✓ 4. pull through		
		Question ID : 5096477019 Status : Answered	
		Chosen Option : 1	
Q.6	Select the most appropriate idiom to fill in the blan	k.	
	He is if he fails at this juncture.		
Ans	✓ 1 not worth his salt		
	× 2. not fit to hold a candle		
	× 2. not fit to hold a candle		
	 2 not fit to hold a candle 3 out of spirits 	Question ID : 5096477021	
	 2 not fit to hold a candle 3 out of spirits 	Status : Answered	
	 2 not fit to hold a candle 3 out of spirits 		
Q.7	 2 not fit to hold a candle 3 out of spirits 	Status : Answered Chosen Option : 2	
	 2. not fit to hold a candle 3. out of spirits 4. a new kid on the block Select the most appropriate option to fill in the blank. If no word is required sele Drive cautiouslytraffic police is quite active here.	Status : Answered Chosen Option : 2	
Q.7	 2. not fit to hold a candle 3. out of spirits 4. a new kid on the block Select the most appropriate option to fill in the blank. If no word is required sele Drive cautiouslytraffic police is quite active here. 1. An	Status : Answered Chosen Option : 2	
	 2. not fit to hold a candle 3. out of spirits 4. a new kid on the block Select the most appropriate option to fill in the blank. If no word is required sele Drive cautiouslytraffic police is quite active here. 1. An 2. The 	Status : Answered Chosen Option : 2	
	 2. not fit to hold a candle 3. out of spirits 4. a new kid on the block Select the most appropriate option to fill in the blank. If no word is required sele Drive cautiouslytraffic police is quite active here. 1. An 2. The 3. No word required 	Status : Answered Chosen Option : 2	
	 2. not fit to hold a candle 3. out of spirits 4. a new kid on the block Select the most appropriate option to fill in the blank. If no word is required sele Drive cautiouslytraffic police is quite active here. 1. An 2. The 	Status : Answered Chosen Option : 2	
	 2. not fit to hold a candle 3. out of spirits 4. a new kid on the block Select the most appropriate option to fill in the blank. If no word is required sele Drive cautiouslytraffic police is quite active here. 1. An 2. The 3. No word required 	Status : Answered Chosen Option : 2 ct "No word required". Question ID : 5096477003	
	 2. not fit to hold a candle 3. out of spirits 4. a new kid on the block Select the most appropriate option to fill in the blank. If no word is required sele Drive cautiouslytraffic police is quite active here. 1. An 2. The 3. No word required 	Status : Answered Chosen Option : 2 ct "No word required". Question ID : 5096477003 Status : Answered	
	 2. not fit to hold a candle 3. out of spirits 4. a new kid on the block Select the most appropriate option to fill in the blank. If no word is required sele Drive cautiouslytraffic police is quite active here. 1. An 2. The 3. No word required 	Status : Answered Chosen Option : 2 ct "No word required". Question ID : 5096477003	

	Select the most appropriate option to fill in the blank.		
	She is minister of the Central Government.		
Ans			
	× 2 best and the most honest		
	× 3. a best and honest		
	× 4. the best and honest		
	the best that honest		
		Question ID : 5096477012 Status : Answered	
		Chosen Option : 4	
Q.9	Select the most appropriate phrase to fill in the blan	nk.	
		938-05	
	Nobody knows what will next.		
Ans	➤ 1. turn out		
	✓ 2. turn up		
	× 3. turn off		
	× 4. turn in		
		Question ID : 5096477020	
		Status : Answered	
		Chosen Option : 1	
Q.10	Select the most appropriate option to fill in the blan	nk.	
	We have been weiting for the bug ton minu	tos	
Ans	We have been waiting for the busten minu	ies.	
Allo	N ii by		
	× 2. from		
	 √ 3. for		
	X 4. since		
		Question ID : 5096477005	
		Status : Answered Chosen Option : 4	
0.44	025125 00126 00 000 00110 1000 0000 00 0000000000		
Q.11	Coloret the manet annual mate ANITONIVAL of the serve		
	Select the most appropriate ANTONYM of the giv	en word.	
	Select the most appropriate Aivroiving of the giv	en word.	
Ans	TENDER	en word.	
Ans	TENDER ✓ 1. coarse	en word.	
Ans	TENDER ✓ 1. coarse × 2. smooth	en word.	
Ans	TENDER ✓ 1. coarse × 2. smooth × 3. soft	en word.	
Ans	TENDER ✓ 1. coarse × 2. smooth	en word.	
Ans	TENDER ✓ 1. coarse × 2. smooth × 3. soft	Question ID : 5096477016 Status : Answered	

Q.12	Select the word that takes -some as a suffix to form	an adjective.	
	(Some change may be required in the spelling.)		
Ans	✓ 1. trouble		
	× 2. comfort		
	X 3. sense		
	× 4. wonder		
		Question ID : 5096477011	
		Status : Answered Chosen Option : 1	
0.13	~ 1		
Q.13	Select the most appropriate option to fill in the blan	ık.	
	These days he his father in business.		
Ans	★ 1. had been helping		
	× 2. helps		
	500 DOMESTICS		
	✓ 3. is helping		
	X 4. helped		
		Question ID : 5096477007	
		Status : Answered Chosen Option : 3	
Q.14	Select the most appropriate synonym of the given v	word.	
	DIVINE		
Ans	DIVINE 1. royal		
	✓ 2. heavenly		
	X 3. spiritual X 1. spiritual		
	× 4. earthly		
		Question ID : 5096477013	
		Status : Answered Chosen Option : 2	
0.45	SASTO MIN TO THE ROLL IN THE PARTY OF THE PA		
Q.15	Select the most appropriate option to fill in the blan	ık.	
	There was no issall around I was not distri-	de a d	
Ans	There was noise all around I was not distur	bed.	
Allo	✓ 1. but × 2. because		
	X 3. SO		
	× 4. although		
	, minongn		
		Question ID : 5096477009 Status : Answered	
		Chosen Option : 1	

Q.16

	Select the most appropriate	option to fin in the	bialik.	
	The soldier challenged	enemy in	loud voice.	
Ans	🔀 1. an, a			
	× 2. an, the			
	✓ 3. the, a			
	X 4. the, the			
			Ougation ID - 5000477004	
			Question ID : 5096477004 Status : Answered	
			Chosen Option : 3	
ૂ.17	Select the most appropriate	ANTONYM of the	given word.	
	DECREASE			
Ans	✓ 1. enhance			
	× 2. encroach			
	X 3. ensure			
	X ⁴ enforce			
			Question ID : 5096477015	
			Status : Answered Chosen Option : 1	
	PERSONAL PROPERTY OF THE PERSON OF THE PERSO	111 111 21 112 213 21 11 11 11 11 11 11 11 11 11 11 11 11	TO A COLUMN TO A C	
Q.18	Select the most appropriate	option to fill in the	blank.	
	You TV since 7 p.n	Now go and stud	V	
Ans	TOUR TOUR BEAUTY OF THE PARTY O	ii. Now go and stud	у.	
	X 1. had watched X 2. watch			
	× 3. watched			
	✓ 4. have been watching			
	w have been watering			
			Question ID : 5096477008 Status : Answered	
			Chosen Option : 4	
Q.19	Select the most appropriate of	ontion to fill in the h	lank	
	Select the most appropriate c	phon to mi m me o	ann.	
	An angry bull rushed	the children playin	g the street.	
Ans	X 1. on, at			
	✓ 2. at, in			
	X 3. into, into			
	× 4. for, on			
	* * ** *******************************			
			Question ID : 5096477006 Status : Answered	
			Chosen Option : 2	

Q.20 Select the INCORRECTLY spelt word. Ans 1 scienctific X 2. scheme X 3. sceptic X 4. scholastic Question ID: 5096477018 Status: Answered Chosen Option: 1 Q.21 स्वर्गगत का समास विग्रह है: Ans 🗸 1. स्वर्ग को गत X 2. स्वर्ग में स्थित X 3. स्वर्ग में बैठा X 4. स्वर्ग जाने वाला Question ID: 5096477039 Status: Answered Chosen Option: 4 Q.22 कौन से समूह में सभी शब्द पर्याय हैं? Ans 🔀 1. जल दुग्ध मनुज 🗙 2. युवा यम दानवीर X³ हस्ती मति सूरा √ ⁴. संग्राम समर रण Question ID: 5096477028 Status: Answered Chosen Option: 4 Q.23 अनु + इति की संधि है: Ans 🗶 1. अनुईति √ 2. अन्विति 🗙 ३. अनुवीती 🗡 4. अन्वीती Question ID: 5096477035 Status: Answered Chosen Option: 2 Q.24 बहुवचन शब्द है: Ans 🗙 1. धेनु √ 2. रीतियाँ

- 🗙 ३. वस्तु
- 🗶 ४. गुड़िया

Question ID: 5096477041 Status: Answered

Chosen Option: 2

^{Q.25} 'निर्मल' का विलोम होगा:

- Ans X 1. हरा भरा
 - **√** 2. मिलिन
 - **X** 3. सफ़ेद
 - **X** 4. १वेत

Question ID: 5096477030 Status: Answered

Chosen Option: 2

Q.26 'नेकी कर कुएँ में डालना' लोकोक्ति का अर्थ बताइए:

- Ans 🔀 1. भलाई न करना
 - X 2. अत्यधिक भलाई करना
 - √ 3. भलाई करके भूल जाना
 - 🔀 ४. कुएँ में जल भरना

Question ID: 5096477033

Status: Answered

Chosen Option: 3

Q.27 बुआ का तत्सम रूप है:

- Ans 🗶 1. पितर्ग
 - 🗸 २. पितृश्वसा
 - 🗙 ३. पितृपक्ष
 - 🗙 ४. पितृ

Question ID: 5096477023

Status: Answered

Chosen Option: 1

Q.28 'भारतेंदु' शब्द में कौनसी संधि है:

- Ans 🗸 1. गुण संधि
 - X 2. यण संधि
 - X 3. विसर्ग संधि
 - 🗡 4 वृद्धि संधि

Question ID: 5096477036 Status: Answered

Chosen Option: 2

Q.29 पंडित का पर्याय नहीं है:

- 🗸 ा विदुर
- 🗙 २. बुद्धिमान
- 🗙 ३. विद्वान
- **X** 4. जानी

Question ID: 5096477027 Status: Answered

Chosen Option : 1

Q.30 स्त्रीलिंग शब्द है:

- Ans 🗙 1. निबंध
 - √ 2. नागरिकता
 - 🗙 3. बहुमत
 - ★ 4. विधान

Question ID: 5096477042 Status: Answered

Chosen Option : 2

Q.31 पहचान के लिए तत्सम शब्द होगा:

- Ans 🗙 1. प्रत्यगामी
 - 🔀 2. प्रसनाकूल
 - 🗙 ३. प्रत्यय
 - √ 4. प्रत्यिभ ज्ञान

Question ID: 5096477024

Status: Answered

Chosen Option: 4

^{Q.32} 'वयस्क' का विलोम है:

- Ans 🗸 1. अवयस्क
 - 🗶 2. विधुर
 - 🗙 3. बच्चा
 - ★ 4. 有

Question ID: 5096477029

Status: Answered

Chosen Option: 4

Q.33 कौन सा शब्द तद्भव है:

Ans X 1. नव

X 2. प्रिय

🗙 ३. पूर्व

४ ⁴. नेवला

Question ID : 5096477026 Status : Answered

Chosen Option : 4

Q.34 'अंग अंग ढीला पड़ना' मुहावरे का अर्थ छांटिए:

Ans 🔀 1. भागते रहना

X 2. शरीर में चोट लगना

√ 3. अत्यधिक थक जाना

🗶 ४. बहुत प्रसन्न होना

Question ID : 5096477031 Status : Answered

Chosen Option: 3

Q.35 किस समास में प्रथम पद संख्यावाचक होता है?

Ans 🗶 1. तत्पुरुष समास

√ 2. द्विगु समास

X 3. अटययीभाव समास

🗙 4 द्वंद्व समास

Question ID: 5096477038

Status: Answered

Chosen Option: 2

Q.36 तट तमाल तरुवर बहु छाए में अलंकार है:

Ans 🗶 1. श्लेष अलंकार

X 2. यमक अलंकार

X 3. रूपक अलंकार

🗸 ४ अनुप्रास अलंकार

Question ID: 5096477037

Status : Answered

Chosen Option: 4

Q.37 किव का बहुवचन होगा:

Ans 🗶 1. कविएँ

🗙 2. कवि झुंड

- 🗸 ^{3.} कविगण
- X 4. कविमित्र

Question ID : 5096477040
Status : Answered

Chosen Option : 3

Q.38 शीला गिलास तोड़ दिया। वाक्य का सही रूप है:

Ans 🔀 1 तोड दिया शीला ने गिलास।

X 2. गिलास शीला ने तोड दिया।

X 3. गिलास तोड दिया शीला ने।

√ 4 शीला ने गिलास तोड़ दिया।

Question ID : 5096477034 Status : Answered

Chosen Option: 4

Q.39 प्रहेलिका का तद्भव रूप है:

Ans

- **√** 1. पहेली
- X 2. प्रलाप
- **X** 3. प्रमाण
- X 4. प्रश्न

Question ID : 5096477025 Status : Answered

Chosen Option : 1

Q.40 'अपना मतलब निकालना' वाक्यांश के लिए उचित मुहावरा होगा:

Ans

- √ 1. अपना उल्लू सीधा करना
- X 2. ईंट से ईंट बजाना
- 🗙 ३. आग बब्ला होना
- 🗡 4 आपे से बाहर होना

Question ID : 5096477032 Status : Answered

Chosen Option : 1

Section: General Awareness

Q.1 Who became the acting Prime Minister of India after the death of Jawaharlal Nehru?

Ans 🥒

- ✓ 1. Gulzari Lal Nanda
- X 2. R. Venkataraman
- X 3. I.K. Gujaral
- Atal Bihari Vajpayee

Question ID : 5096477059 Status : Answered

		Chosen Option :	1
Q.2	Pandit Ravi Shankar is associated with which Indian classic	cal instrument?	
Ans	X 1. Shehnai		
	✓ 2. Sitar		
	X ³ ⋅ Tabla		
	× 4. Santoor		
		Question ID :	5096477071
		Status :	Answered
		Chosen Option :	2
Q.3	Which state has decided to rename all the child care institutes being run in the state as	'Jagannath Ashrams'?	
Ans	★ 1. Odisha		
	🗸 2. Haryana		
	× 3. Bihar		
	X 4 Uttarakhand		
		Question ID :	5096477044
		Status :	Answered
		Chosen Option :	1
Q.4	Which state has launched "Naipunya Ratham", a multi-utility vehicle aimed at taking technoremote corners of the state?	ology and innovation to	
Ans			
	✓ 2. Andhra Pradesh		
	X 3. Telangana		
	X 4. Arunachal Pradesh		
		Question ID :	5096477048
			Answered
		Chosen Option :	3
Q.5	Which of the following fruits has been declared as official t	fruit of Kerala?	
Ans	✓ 1. Jackfruit		
	× 2. Pineapple		
	X 3. Grape		
	X 4. Banana		
		Question ID :	5096477049
			Answered
		Chosen Option :	2
Q.6	Who among the following was the third Vice-Presid	ent of India?	
Ans	✓ 1. Varahagiri Venkata Giri		
	× 2. I.K. Gujaral		
	X 3. V.P. Singh		
	🔀 4. Charan Singh		

Question ID: 5096477061

Status: Answered Chosen Option: 3

Q.7 Which of the following Articles of the Constitution of India provides provisions for a joint sitting of both Houses of

Ans

- X 1. Article 63
- ✓ 2. Article 108
- X 3. Article 79
- X 4. Article 155

Question ID: 5096477060 Status: Answered Chosen Option: 3

What was the name of the descendant of Guru Nanak Dev who conducted coronation of the Sikh king Ranjit Singh in 1801?

Ans

- 1 Tejpal Singh Bedi
- X 2. Surinder Singh Bedi
- X 3. Harpal Singh Bedi
- ✓ 4. Sahib Singh Bedi

Question ID: 5096477056 Status: Answered Chosen Option: 4

In which of the following cities was the 105th Indian Science Congress held in March 2018?

- X 1. Patna
- × 2. Jaipur
- 3. Imphal
- X 4. Gurugram

Question ID: 5096477047 Status: Answered

Chosen Option: 1

Q.10 Where is Hemis National Park, home to snow leopard, located?

- Ans X 1. Arunachal Pradesh
 - X 2. Sikkim
 - X 3. Himachal Pradesh
 - Jammu and Kashmir

Question ID: 5096477068 Status: Answered Chosen Option: 1

Ant's sting has which of the following?

Ans

- X 1. Tartaric acid
- X 2. Citric acid
- 3. Magnesium hydroxide
- Formic acid

Question ID: 5096477065 Status: Answered

Chosen Option: 4

Q.12 As per the data released by the Sample Registration System for the year 2016, what is the Infant mortality rate in India?

1 23 per 1000 live births

× 2. 43 per 1000 live births

√ 3. 34 per 1000 live births

X 4. 47 per 1000 live births

Question ID: 5096477067 Status: Answered

Chosen Option: 3

Q.13 A mango tree is an example of:

X 1. Pseudotroph

X 2. Heterotroph

√ 3. Autotroph

X 4. Ambitroph

Question ID: 5096477066

Status: Answered

Chosen Option: 3

Q.14 Which Governor General devised the Doctrine of Lapse during British rule in India?

Ans

1 Charles Metcalfe

X 2. Lord Ellenborough

X 3. Lord Auckland

4. Lord Dalhousie

Question ID: 5096477054

Status: Answered

Chosen Option: 4

Q.15 Which among the following is an important folk music of Karnataka?

Ans X 1. Lavani

X 2. Bihugeet

√ 3. Bhavageete

X 4. Kummi Paatu

Question ID: 5096477070

Status: Answered

Chosen Option: 1

Q.16 When was "Aspirational district program" launched?

Ans

1. January 2018

X 2. January 2017

X 3. June 2017

X 4. June 2018

Question ID : 5096477064 Status : Answered

Chosen Option: 1

Q.17 Which British Viceroy of India was associated with the Ilbert Bill enacted in 1884?

Ans

- 1 Lord Northbrook
- X 2. Lord Dufferin
- 3. Lord Ripon
- X 4. Lord Napier

Question ID : 5096477057 Status : Answered Chosen Option : 2

Q.18 Who is the first Indian woman wrestler to win a gold medal in the Senior Asian Championships, held in Kyrgyzstan?

Ans

- X 1 Babita Kumari
- X 2. Kavita Devi
- X 3. Geeta Phogat
- 4. Navjot Kaur

Question ID : 5096477052
Status : Answered

Chosen Option : 1

Q.19 Which of the following statements is correct?

Ans

X 1.

The Speaker of the Lok Sabha is the Supreme Commander of the Defence Forces of India.



The Vice-President is the Supreme Commander of the Defence Forces of India.



The President is the Supreme Commander of the Defence Forces of India.



The Prime Minister is the Supreme Commander of the Defence Forces of India.

Question ID : 5096477058 Status : Answered

Chosen Option: 3

Q.20 Which city in Karnataka is/was known for making wooden toys?

Ans

X 1. Mandya

X 2. Davangere

3. Channapatna

X 4. Tumkur

Question ID : 5096477069 Status : Answered

Ans X 1. सदाशिव राय
X 2. अच्युता देव राय

🗸 ३. कृष्णदेव राय

X 4 विरा नरसिंह राय

Question ID : 5096477055 Status : Answered

Chosen Option: 3

Q.22 In which Indian city was Krishi Unnati Mela held in March 2018?

Ans X 1. Ahmedabad

X 2. Jaipur

X 3. Bhopal

√ 4. New Delhi

Question ID : 5096477063 Status : Answered

Chosen Option: 3

Q.23 When the National Girl Child Day is celebrated every year in India?

Ans X 1. October 31

× 2. July 3

3. January 24

X 4. November 27

Question ID : 5096477072

Status : **Answered**

Chosen Option: 4

Q.24 Which of the following cities hosted the first International Conference on Sustainable Water Management?

Ans X 1. Meerut

X 2. Muzaffarpur

X 3. Mumbai

4. Mohali

Question ID: 5096477046

Status : Answered

Chosen Option: 1

Q.25 निम्नलिखित में से किस अफ्रीकी देश ने 'गित्गा' को अपनी नई राजनीतिक राजधानी घोषित की है?

Ans

🗸 1. बुरुण्डी

X 2. रवांडा

3. कैमरुन

X 4. बोत्सवाना

Question ID: 5096477043 Status: Answered

Q.26 Which Indian player won the IBSF World Snooker Championship in Doha in March 2018? Ans X 1 Aditya Mehta X 2. Yasin Merchant X 3. Geet Sethi 4. Pankaj Advani Question ID: 5096477053 Status: Answered Chosen Option: 4 Q.27 Divya Patidar Joshi, who was crowned with Mrs. India 2018 title in the Mrs. India My Identity Beauty Pageant, belongs to which of the following states? Ans X 1. Gujarat X 2. Uttar Pradesh 3. Madhya Pradesh X 4. Maharashtra Question ID: 5096477045 Status: Answered Chosen Option: 4 Q.28 Which of the following articles of the Constitution of India deals with the abolition of titles? Ans ✓ 1. Article 18 X 2. Article 36 X 3. Article 60 X 4. Article 39 Question ID: 5096477062 Status: Answered Chosen Option: 3 Q.29 Which woman gymnast became the first Indian to win a world cup medal by winning a bronze medal in Gymnastics World Cup in Melbourne, Australia in February 2018? Ans Dipa Karmakar 2. Aruna Reddy X 3. Kshipra Joshi X 4. Pooja Surve Question ID: 5096477051 Status: Answered Chosen Option: 2 Q.30 Who is the author of 'Paramveer Parvane', a book on the bravery of Paramveer Chakra awardees? Ans Siddharth Dhanvant Shanghvi Prabhakiran Jain X 3. Arvind Adiga X 4. Kamala Markandaya Question ID: 5096477050

Status: Answered Chosen Option: 4

Section: General Aptitude

Q.1 Complete the number series.

64, 216, 512, 1000, _____?

Ans X 1. 1724

√ 2. 1728

X 3. 1725

X 4. 1721

Question ID: 5096477084

Status: Answered

Chosen Option: 2

Q.2 The efficiency of A is 20 % more than the efficiency of B. Working together, they can complete a certain piece of work in 10 days. In how many days B alone will complete 50 % of that work?

Ans

X 1. 9

2. 11

X 3. 10

X 4. 12

Question ID: 5096477102

Status: Answered

Chosen Option: 4

निम्नलिखित शब्दों को सार्थक क्रम में सजाएँ।

धुनाई	कताई	सफाई	कतरन	बिनाई
1	2	3	4	5

Ans 🗸 1. 4, 3, 1, 2, 5

X 2. 3, 5, 2, 1, 4

X 3. 2, 4, 5, 1, 3

X 4. 1, 2, 5, 4, 3

Question ID: 5096477080

Status: Answered

Chosen Option: 1

Q.4 निम्नलिखित में से उस शब्द-युग्म का चयन करें जो कुछ मायनों में बाकी सब से अलग है।

Ans

X 1. 3 Reg

X ^{2.} कोयल

X ₃. तोता

√ 4. चमगादड

Question ID: 5096477077

Status: Answered

Q.5

The sum of first 20 terms of $\frac{1}{4\times6} + \frac{1}{6\times8} + \frac{1}{8\times10} + \dots$ is:

Ans

- $X 1. \frac{5}{11}$
- X 2. $\frac{19}{168}$
- **√** 3. $\frac{5}{44}$
- X 4. $\frac{19}{42}$

Question ID : 5096477089

Status: Answered

Chosen Option: 3

times as the letters have been used in the word

FRATERNITY

Ans 🗸 1. FARTHER

X 2. REFRAIN

X 3. NITRATE

X 4. TRAINER

Question ID: 5096477086

Status: Answered

Chosen Option: 1

Q.7 Select the number-pair that is different from the rest in some respect.

Q.6 Select the word from the following options that CANNOT be formed using the letters of the given word only as many

Ans

- X 1 26:78
- X 2. 52:117
- X 3. 39: 104
- 4. 65 : 120

Question ID: 5096477076

Status : Answered

Chosen Option: 4

Q.8 A person covers 30% of a journey with a speed of 45 km/h, 48% of journey with the speed of 36 km/h and remaining with the speed of 33 km/h. What is his average speed for whole journey in km/h?

Ans

- X 1 38.5
- X 2. 38
- **3.** 37.5
- X 4. 40.2

Question ID: 5096477101

Status: Answered

Chosen Option: 2

Q.9 In a code language, TREMOR is written as SQFLPQ. How will FATHER be written as in that code?

Ans

- X 1. GZSGDS
- X 2. DCRJCT
- ✓ 3. EBSGFQ

Question ID: 5096477087

Status: Answered

Chosen Option: 4

Q.10 Select the option that will replace the question mark (?) in the following series.

RNX, PKT, NHP,?

Ans X 1. OIQ

X 2. PJR

✓ 3. LEL

X 4. MGO

Question ID: 5096477078

Status: Answered

Chosen Option: 3

Q.11 If '+' means 'subtraction', 'x' means 'division', '-' means 'multiplication' and '+' means 'addition', then what will be the value of the following expression?

 $4 - 3 \times 3 + 2 \div 1$

Ans

X 1. 6

2. 3

X 3. 5

X 4. 8

Question ID: 5096477079

Status: Answered

Chosen Option: 2

Q.12 X started from his home and walked 4 km towards the east. From there, he turned left and walked 3 km. How far and in which direction is he from his home?

Ans

× 1 4 km, east

X 2. 1 km, south-east

√ 3. 5 km, north-east

X 4. 7 km, north

Question ID: 5096477085

Status: Answered

Chosen Option: 3

Q.13 If in a code language SISTER is coded as RJRUDS, then how will you code BROTHER?

Ans

X 1. UNFGSSA

√ 2. ASNUGFS

X 3. NSAUSGF

X 4. SAUNFGS

Question ID: 5096477073 Status: Answered

Chosen Option: 2

The units' digit in $(53)^{21} + (27)^{35} - (32)^{31}$ is equal to:

Ans

X 4. 6

Question ID: 5096477090 Status: Answered Chosen Option: 3

Q.15 The average of 11 numbers is 42. The average of first 6 numbers is 45 and the average of last 6 numbers is 48. If the 6th number is excluded, what is the average of remaining numbers?

Ans

1. 36.6

X 2. 38.8

X 3. 43.6

X 4. 46.5

Question ID: 5096477098 Status: Answered

Chosen Option: 1

Q.16 If $\sqrt{29 - 12\sqrt{5}} = a + b\sqrt{5}$, then the value of (2a + 3b) is:

Ans 🗸 1. 0

X 2. −1

X 3. 5

X 4. -5

Question ID: 5096477091 Status: Answered

Chosen Option: 1

Q.17 The difference between compound interest and simple interest on ₹ 36,000 for 2 years at R% per annum is ₹ 518.40. What is the value of R?

Ans

X 1 10 %

√ 2. 12 %

X 3. 8 %

X 4. 14 %

Question ID: 5096477097

Status: Answered

Chosen Option: 2

Q.18 The total number of factors of 2400×7^3 is equal to:

Ans

X 1. 30

X 2. 60

X 3. 124

4 144

Question ID: 5096477093

Status: Answered

Given is a statement followed by three courses of action. Assuming the statement to be true, decide which of the given courses of action logically follow(s) from the statement.

A large number of two-wheeler accidents every year result in severe head injuries.

Courses of Action:

- Riders should be fined for not wearing helmets.
- Government should bear the medical expenses of people injured in road accidents, as accidents occur due to
- III. Two-wheelers should be banned.

Ans

- 1. Only I follows.
- X 2. Only I and II follow.
- X 3. Only III follows.
- X 4. Only II follows.

Question ID: 5096477081 Status: Answered

Chosen Option: 2

Q.20 A vessel contains 2 litres of pure acid. From this vessel, 200 mL of solution is taken out and replaced by same quantity of water. This process is further repeated two more times. What is the amount of pure acid in the vessel?

Ans

- X 1 1446 mL
- X 2. 1400 mL
- √ 3. 1458 mL
- X 4. 1428 mL

Question ID: 5096477100

Status: Answered

Chosen Option: 2

Q.21 If a: 2b = 5: 6 and 3a: 2c = 5: 6, then a: b: c is equal to:

- Ans X 1. 15:25:27
 - X 2. 3:5:9
 - √ 3. 5:3:9
 - X 4. 25:15:27

Question ID: 5096477096

Status: Answered

Chosen Option: 4

Q.22 The sum of digits of the smallest number which is perfect square and is closest to 59678 is:

- Ans X 1. 22
 - X 2. 26
 - X 3. 24
 - 4. 28

Question ID: 5096477088 Status: Answered

Chosen Option: 4

Q.23 What is the sum of digits of the least number which when divided by 18, 24 and 30 leaves the same remainder 8 in each case and is divisible by 19?



X 2. 22 X 3. 20

X 4. 24

Question ID : 5096477094 Status : Answered

Chosen Option : 1

Q.24 The Republic Day of India in the year 2013 fell on Saturday. On which day of the week was it celebrated in the year 2017?

Ans

√ 1. Thursday

X 2. Saturday

X 3. Tuesday

X 4. Wednesday

Question ID : 5096477074 Status : Answered

Chosen Option: 1

Q.25 What is the least value of x for which the 7-digit number 6893x54 is divisible by 22?

Ans

X 1. 5

X 2. 7

X 3. 6

4. 8

Question ID: 5096477095

Status : Answered

Chosen Option: 4

Q.26 Select the correct mirror image of the following figure if the mirror is placed to the right of the figure.



Ans









Question ID : 5096477082 Status : Answered

A person marks his good 35% above the cost price. He sells 40% of goods at the marked price, 25% of goods at 8% discount and remaining at x% discount on the marked price. If his overall profit is 24.74%, what is the value of x?

Ans

1. 16

X 2. 15

X 3. 18

X 4. 20

Question ID: 5096477099 Status: Answered

Chosen Option: 2

Q.28 In a code language, WATER is written as VBSFQ. How will PLANT be written as in that code?

Ans

X 1. QMBOU

√ 2. OMZOS

X 3. RNCPV

X 4. NNCPR

Question ID: 5096477083 Status: Answered

Chosen Option: 2

Q.29 There are five teachers in a school. Arun and Bindu are teaching Hindi and English. Champa and Dhruv are teaching English and Geography. Dhruv and Arun are teaching Mathematics and Hindi. Ekansh and Bindu are teaching History and French.

Which subject is being taught by maximum teachers?

Ans

X 1 Hindi

X 2. French

X 3. Geography

4. English

Question ID: 5096477075

Status: Answered

Chosen Option: 1

The value of $1.\overline{7} + 0.2\overline{89} - 1.3\overline{9}$ is equal to:

Ans X 1. 0.5 87

X 2. 0.5 36

√ 3. 0.6 67

X 4. 0. 667

Question ID: 5096477092 Status: Answered

Chosen Option: 3

Section: Teaching Aptitude

Identify the type of counselling in which a counsellor plays an important role of being the authority that states a judgment over any problem.

Ans

1. Directive counselling

2. Cognitive behaviour therapy

3. Eclectic counselling

X 4 Non-directive counselling

Question ID: 5096477119 Status: Answered

Chosen Option: 2

Q.2 निम्नलिखित में से किसे भाषा का सक्रिय कौशल माना जाता है?

Ans 🗶 1. गढ़ाई

√ 2. **बो**लना

X 3. श्रवण

X 4. पठन

Question ID: 5096477110 Status: Answered

Chosen Option: 2

Q.3 Which of the following DOES NOT come under the cognitive domain of Bloom's Taxonomy?

Ans

X 1. Synthesis

X 2. Application

X 3. Evaluation

4. Characterising

Question ID: 5096477109

Status: Answered

Chosen Option: 3

Q.4 Which of the following mental abilities is NOT included in Kelley's Multi-factor Theory of Intelligence?

Ans

X 1 Memory

X 2. Perceptual ability

✓ 3. Word fluency

X 4. Spatial ability

Question ID: 5096477105

Status: Answered

Chosen Option: 4

Q.5 In the skill of probing questioning in science, when the teacher asks the rationale of the response from the students, it

1 seeking further information

X 2. refocusing

X 3. redirecting

√ 4. developing critical awareness

Question ID: 5096477116

Status: Answered

Chosen Option: 1

Q.6 जनगणना में सांख्यिकीय प्रतिरूपण और विश्लेषण का उपयोग गणित और निम्नलिखित में से किस विषय के बीच संबंध का एक उदाहरण है?

X 1. संचार

	🔀 २. भूगोल	
	200000100000	
	🗡 4 नागरिक शास्त्र तथा नागरिकता	
		Question ID : 5096477112
		Status : Answered Chosen Option : 3
Q.7	is a teaching strategy that uses several methods to support early readers in gaining skil this reading instruction is to establish positive practices that help students develop stronger rea	TO THE PROPERTY OF THE PROPERT
Ans	X 1. SQ3R	
	× 2. Reading reflection	
	X 3. Passive reading method	
	✓ 4. Scaffolding	
		Question ID : 5096477118
		Status : Answered
		Chosen Option : 3
Q.8	प्राधिकरण में किसी टयक्ति के लिंग के आधार पर भेदभाव की अनुपस्थिति, संसाधनों का आ को के रूप में जाना जाता है।	वंटन और सेवा तक पहुंच
Ans	√ 1. लैंगिक समानता	
	X 2. तैंगिक जागरूकता	
	× 3. तैंगिक निष्पक्षता	
	🔀 4. लैंगिक भूमिका	
		Question ID : 5096477114
		Status : Answered Chosen Option : 1
		Choosin Sphort 1
Q.9	Under Flander's Interaction Analysis Category System of what happens in a classroom will silence or confusion is put under how many categories?	hen a teacher teaches, the
Ans	✓ 1. 1	
	X 2. 7	
	X 3. 4	
	X 4. 2	
		Question ID : 5096477117
		Status : Answered Chosen Option : 4
Q.10	विशेष शिक्षा में, वह हस्तक्षेप जो विकलांगता को खत्म करने का प्रयास करता है, उसे	
Ans	71. तृतीयक हस्तक्षेप	कहा जाता है।
	√ 2 उपचारात्मक हस्तक्षेप	
	🔀 3 द्वितीयक हस्तक्षेप	
	🗡 ⁴ निवारक हस्तक्षेप	
		Question ID : 5096477121

Status : Answered

Chosen Option: 4 Q.11 वह सामाजिक प्रणाली जहां माँ घर की मुखिया होती है और संपत्ति और बेहतर सामाजिक विशेषाधिकारों पर नियंत्रण रखती है, ____ कहलाती है। Ans **√** 1. मातृसत्तात्मक समाज X 2. स्वेचछाचारी समाज X 3. पतिस्थानिक समाज 🔀 4 पितृसत्तात्मक समाज Question ID: 5096477115 Status: Answered Chosen Option: 1 Q.12 A mother's attention to her crying child is an example of _____ attention. X 1 internal X 2. volitional 3. non-volitional X 4 external Question ID: 5096477103 Status: Answered Chosen Option: 1 Q.13 कर्नाटक का एक लोकप्रिय लोक रंगमंच है जिसका इतिहास लगभग 400 वर्ष लंबा है। यह संगीत परंपरा, आंखों को पकड़ने वाली वेशभूषा, नृत्य की प्रामाणिक शैलियों और कामचलाऊ हाव-भावों और अभिनय का एक अनुठा सामंजस्य है, जिसमें इसकी तात्कालिक संवाद अदायगी की ट्यापक अपील निहित है। Ans ★ 1. Įaijai √ 2. यक्षगण 🔀 ३. थेरुकोथ् **X** 4. तमाशा Question ID: 5096477120 Status: Answered Chosen Option: 3 Q.14 विकासमूलक अक्षमताओं के संदर्भ में निम्न में से कौन सा तथ्य गलत है? इसे समय-समय पर मानसिक कमजोरी, शारीरिक कमजोरी या दोनों के लिए जिम्मेदार ठहराया जाता है। २ इसके अनंत तक जारी रहने की संभावना होती है। **X** 3. इसकी परिणति जीवन की गतिविधियों के तीन या अधिक क्षेत्रों में प्रकार्यात्मक सीमाओं में होती है। 🗸 4. यह 24 की आयु के बाद प्रदर्शित होता है। Question ID: 5096477122 Status: Answered Chosen Option: 4 निम्न में से क्या प्रोत्साहन भिन्नता के कौशल का एक घटक नहीं है?

🗸 1 नकारात्मक अमौखिक सुददीकरण

X 2. शिक्षकों का भाव प्रदर्शन X 3. शिष्यों का आवागमन X 4. शिक्षकों का आवागमन Question ID: 5096477113 Status: Answered Chosen Option: 3 Q.16 Identify the form of vertical mobility belonging to social mobility from the given options. 1 International mobility 2. Ascending mobility X 3. Party mobility A Occupational mobility Question ID: 5096477106 Status: Answered Chosen Option: 2 Q.17 धरीन एक 11 वर्ष आयु का लड़का है और वह खेल-कूद व नृत्य दोनों में बहुत अच्छा है। वह नई-नई चीज़ें बनाता है और उसका शारीरिक समन्वयन बह्त अच्छा है। हॉवर्ड गार्डनर के एमआइ (MI) सिद्धांत को दृष्टिगत रखते हूए, दिए गए विवरण के अनुसार बताइए कि धरीन में कौन सी बुद्धिमत्ता हावी है? X 1 अंतर्वेयक्तिक X 2 दृश्यात्मक - स्थानिक √ 3. दैहिक - गतिसंवेदी 🗡 4 भाषाई - मौखिक Question ID: 5096477108 Status: Answered Chosen Option: 3 Q.18 संपूर्ण साक्षरता अभियान ____ के द्वारा कार्यान्वित किया गया था। Ans 🗡 1 राज्य वयस्क शिक्षा बोर्ड X 2 मानव संसाधन एवं विकास मंत्रालय 🗙 3. निजी विद्यालय √ ⁴ जिलाधिकारी की अधीनस्थ जिला साक्षरता समिति Question ID: 5096477107 Status: Answered Chosen Option: 2 Q.19 Identify the unconditioned response from the following. X 1. Loud noise X 2. Pain X 3. Food 4. Startled

Question ID: 5096477104

Status: Answered Chosen Option: 4

Q.20 Which of the following is NOT an element of good speech?

Ans

- X 1 Audibility
- X 2. Fluency
- 3. Obscurity
- X 4. Naturality

Question ID: 5096477111 Status: Answered

Chosen Option: 3

Section: Concerned Subject Knowledge

Hybridisation of [NiCl₄]²⁻ is .

- Ans X 1. sp²
 - \times 2. sp²d
 - √ 3. sp³
 - X 4. dsp²

Question ID: 5096477130 Status: Answered

Chosen Option: 3

Q.2 IUPAC name of K₄[Fe(CN)₆] is_

- √ 1 Potassium hexacyanoferrate(II)
- × 2. Hexacyanoferrate(IV)potassium
- ★ 3. Hexacyanopotassiumferrate(II)
- * Hexacyanoferrate(II)potassium

Question ID: 5096477145

Status: Answered

Chosen Option: 1

Q.3 Which of the following are the coinage metals?

- Ans X 1. Cu, Ag, Pt
 - × 2. Ir, Pt, Au
 - X 3. Ru, Rb, Pd
 - √ 4. Cu, Ag, Au

Question ID: 5096477138

Status: Answered

Chosen Option: 4

Q.4 What is the decreasing order of bond angle?

 \times 1. NH₃ > CH₄ > H₂O Ans

2. H₂O > NH₃ > CH₄ \times 3. CH₄ > H₂O > NH₃ √ 4. CH₄ > NH₃ > H₂O Question ID: 5096477162 Status: Answered Chosen Option: 4 The wave function ψ represents the . Ans X 1 intensity function × 2. velocity function X 3. probability function 4 amplitude function Question ID: 5096477169 Status: Answered Chosen Option: 3 $Br - CH_2 - CH_2 - CH_2 - Br + Zn \rightarrow ?$ Ans X 1. Propane X 2. Cyclo propene 3. Cyclo propane X 4. 1-Propene Question ID: 5096477153 Status: Answered Chosen Option: 3 A Gouy balance helps in determination of . . Ans X 1 magnetic field X 2. magnetic permeability X 3. Bohr magneton √ 4. magnetic susceptibility Question ID: 5096477171 Status: Answered Chosen Option: 4 In which process, NO heat enters or leaves the system during any step? Ans 1. Adiabatic process 2. Isothermal process X 3. Isobaric process X 4. Reversible process Question ID: 5096477166 Status: Answered

Q.9 Which of the following is the correct decreasing order of ionic radii?

Ans
$$\times$$
 1. $Sn^{4+} > In^{3+} > Ca^{2+} > Sr^{2+}$

$$\times$$
 2. $Sn^{4+} > In^{3+} > Sr^{2+} > Ca^{2+}$

$$\times$$
 3. $Ca^{2+} > Sr^{2+} > In^{3+} > Sn^{4+}$

$$\checkmark$$
 4. $Sr^{2+} > Ca^{2+} > In^{3+} > Sn^{4+}$

Question ID : 5096477124
Status : Answered

Chosen Option : 4

Q.10 What is the relation between the equilibrium constant (Keq) and free energy (ΔG°)?

Ans \times 1. $\Delta G^{\circ} = 2.303 \text{ RT ln Keq}$

$$\times$$
 2. $\Delta G^{\circ} = -2.303 \text{ RT ln Keq}$

$$\checkmark$$
 3. $\Delta G^{\circ} = -2.303 \text{ RT log Keq}$

$$\times$$
 4. $\Delta G^{\circ} = 2.303 \text{ RT log Keq}$

Question ID : 5096477161 Status : Answered

Chosen Option : 3

Q.11 High spin complexes have:

Ans \times 1. $P = \Delta = 0$

 \times 2. $P = \Delta$

 \times 3. $P < \Delta$

√ 4. P > Δ

Question ID : 5096477146

Status: Answered

Chosen Option : 4

Q.12 Which product is formed in the following reaction?

2 CH₃I + 2 Na

Ans 1. C₂H₆ + 2 NaI

X 2. CH₄ + 2 NaI

 \times 3. C₂H₅I + 2 NaH

X 4. 2 CH₃Na + I₂

Question ID : 5096477148

Status: Answered

Chosen Option : 1

Q.13 The correct Bragg's equation for a first order reflection is represented by:

Ans \times 1. $2\lambda = dsine$

 \checkmark 2. $\lambda = 2 dsine$

 \times 3. $\lambda = d/2 \sin \theta$

 \times 4. $\lambda = dsine$

Question ID: 5096477180

Status: Answered

Chosen Option: 2

Q.14 Which of the following is correct regarding an exothermic reaction?

Ans

- √ 1. ΔH = -ve
- \times 2. $\Delta H = 0$
- \times 3. $\Delta H = +ve$
- \times 4. $\Delta E = 0$

Question ID: 5096477172

Status: Answered

Chosen Option: 1

Q.15 Which of the following compounds has the highest melting point?

- X 1. Catechol
- X 2. Resorcinol
- X 3. Quinone
- 4. Hydroquinone

Question ID: 5096477156

Status: Answered

Chosen Option : 4

Q.16 What is the intermediate in following reaction?

 $CH_3 - CH = CH - CH_3 + O_3 \rightarrow CH_3 - COH$

- Ans 🗸 1. Ozonide
 - X 2. Ozone
 - X 3. Free radical
 - X 4. Ozonone

Question ID: 5096477154

Status: Answered

Chosen Option: 1

Q.17 What is the correct decreasing order of boiling point?

- 1. Neopentane > Isopentane > Pentane
- √ 2. Pentane > Isopentane > Neopentane
- X 3. Isopentane > Neopentane > Pentane
- X 4. Neopentane = Isopentane = Pentane

Question ID: 5096477149 Status: Answered

Chosen Option: 2

Q.18 Which of the following compounds is the milk sugar?

- X 1 (+) Fructose
- √ 2. (+) Lactose

	★ 3. (+) - Sucrose	
	X 4. (+) - Glucose	
		Question ID : 5096477159 Status : Answered Chosen Option : 2
Q.19	According to the Bronsted-Lowry concept, a base	is a substance:
Ans	× 1. which has a tendency to donate a proton.	
	2. which has a tendency to accept a proton.	
	× 3. which has a tendency to donate an electron.	
	× 4. which has a tendency to accept an electron.	
		Question ID : 5096477176 Status : Answered Chosen Option : 2
Q.20	Which is the highest oxidation state of metal in the	fourth period?
Ans	X 1. Os	er de la proposition primer de la company de
	X 2. Cr	
	X 3. Fe	
	✓ 4. Mn	
		Question ID : 5096477144 Status : Answered Chosen Option : 4
Q.21	Which of the following is an intensive property?	
Ans	X 1. Energy	
	× 2. Enthalpy	
	× 3. Volume	
	✓ 4. Temperature	
		Question ID : 5096477177 Status : Answered Chosen Option : 4
Q.22	What is the number of skeletal electron pairs in B ₅	H ₉ ?
Ans	X 1. 9	9.00 5 .07
	X 2. 5	
	X 3. 6	
	√ 4. 7	
		Question ID : 5096477134 Status : Answered Chosen Option : 1
Q.23	Which of the following amino acid contains the hy	droxyl group?

Ans X 1. Methionine

	✓ 2. Serine	
	X 3. Cysteine → 3. Cysteine	
	X 4. Cystine ✓ 4. Cystine	
		Question ID : 5096477158 Status : Answered Chosen Option : 1
Q.24	Which of the following is a sublimation reaction?	
Ans	X 1. S ↔ L	
	X 2. L ↔ V	
	\times 3. G \leftrightarrow V	
	\checkmark 4. S \leftrightarrow V	
		Question ID : 5096477168
		Status : Answered Chosen Option : 4
	1990 - A. 1990 - I	
Q.25	Magnetic moment of Cr ²⁺ is	
Ans	1. 2.83 BM	
	✓ 2. 4.90 BM	
	X 3. 5.92 BM X 4. 3.87 BM	
	4. 3.8/ BM	
		Question ID : 5096477128 Status : Answered
		Chosen Option : 2
Q.26	Saponification is a process of	
Ans	X ¹ formation of amide	
	× 2 formation of ester	
	√ 3. hydrolysis of ester	
	★ 4. hydrolysis of amide	
	and the day of the day in a residence of the second	0 11 15 100 100 100
		Question ID : 5096477150 Status : Answered
		Chosen Option : 2
Q.27	What is the correct observed electronic configuration of	f molybdenum?
Ans	✓ 1. [Kr] 4d ⁵ 5s ¹	
	× 2. [Ar] 3d ⁴ 4s ²	
	× 3. [Kr] 4d ⁴ 5s ²	
	× 4. [Kr] 3d ⁵ 4s ¹	
	in [m] ou to	
		Question ID : 5096477127 Status : Answered
		Chosen Option : 1
Q.28	The Gibbs-Helmholtz equation is represented by:	

$$\times$$
 1. $\Delta G = \Delta H + T \left(\frac{\partial \Delta H}{\partial T} \right)_{p}$

$$\times$$
 2. $\Delta G = \Delta H - T \left(\frac{\partial \Delta G}{\partial T} \right)_p$

$$\checkmark$$
 3. $\Delta G = \Delta H + T \left(\frac{\partial \Delta G}{\partial T} \right)_p$

$$\times$$
 4. $\Delta H = \Delta G + T \left(\frac{\partial \Delta G}{\partial T} \right)_{p}$

Question ID: 5096477181

Status: Answered

Chosen Option: 2

Glucose and mannose are _____.

- X 1. C₄ Epimers
- X 2. C5 Epimers
- X 3. C₃ Epimers

√ 4. C₂ – Epimers

Question ID: 5096477160

Status: Answered

Chosen Option: 4

Select the option showing how to prepare (BN)x from B2H6.

- \times 1. $B_2H_6 + HNO_2$ hv
- \checkmark 2. B₂H₆ + Excess NH₃ Δ
- \times 3. $B_2H_6 + NH_3 \triangle$
- \times 4. B₂H₆ + HNO₂ \triangle

Question ID: 5096477140

Status: Answered

Chosen Option: 2

The units of normality are:

- Ans X 1. mole.ml⁻¹
 - ✓ 2. g.equivalent.lit-1
 - X 3. mole. Kg⁻¹
 - X 4. mole.lit-1

Question ID: 5096477178

Status: Answered

Chosen Option: 2

Q.32 Which is the simplest α -amino acid?

X 1 Valine

X 2. Alanine 3. Glycine X 4. Leucine Question ID: 5096477151 Status: Answered Chosen Option: 3 Q.33 Which of the following is colourless? Ans 1. [Cr₂O₇]²⁻ X 2. MnO₄ X 3. [Ni(H₂O)₆]²⁺ √ 4. [Cu(PPh₃)₄]⁺ Question ID: 5096477141 Status: Answered Chosen Option: 4 Q.34 Which of the following is a diamagnetic complex? Ans \times 1. $[Ni(NH_3)_6]^{2+}$ X 2. [Ni(H₂O)₅NH₃]²⁺ √ 3. [PtCl₄]^{2−} X 4. [NiCl₄]²⁻ Question ID: 5096477143 Status: Answered Chosen Option: 3 Q.35 Which of the following compounds is paramagnetic? Ans 🗸 1. O2 X 2. F2 X 3. C2 X 4. N₂ Question ID: 5096477164 Status: Answered Chosen Option: 1 Q.36 Calcium carbide is hydrolysed to form: √ 1. acetylene X 2. ethene X 3. methane X 4. ethane

> Question ID : 5096477147 Status : Answered

What is the oxidation state of $[Ni(en)_3]^{2+}$? Ans X 1. +1 **√** 2. +2 X 3. +4 X 4. +3 Question ID: 5096477132 Status: Answered Chosen Option: 2 Q.38 Which metal contains 'limonite' mineral? Ans X 1. Cr √ 2. Fe X 3. Co X 4. W Question ID: 5096477137 Status: Answered Chosen Option: 2 Q.39 Which spectral series is suitable for the Balmer series? Ans X 1. Micro region X 2. Ultraviolet region ✓ 3. Visible region X 4. Infrared region Question ID: 5096477123 Status: Answered Chosen Option: 2 Q.40 $CH_3 - C \equiv CH + CH_3MgCl \rightarrow ?$ Ans X 1. CH₃C ≡ CCH₃ X 2. CH3 - CH3 X 3. CH₃CH = CH₂ √ 4. CH4 Question ID: 5096477155 Status: Answered Chosen Option: 1 Q.41 Which of the following DOES NOT obey the EAN rule? Ans X 1. Mn₂(CO)₁₀ × 2. Cr(CO)₆ √ 3. V(CO)₆ X 4. Fe(CO)₅ Question ID: 5096477131 Status: Answered

Q.42	What is the structure of NiCl ₂ (PPh ₃) ₂ ?	
Ans	★ 1 Trigonal planar	
	X 2. Linear	
	X 3. Square planar	
	✓ 4 Tetrahedral	
	Tutanti transi ara sea.	
		Question ID : 5096477142 Status : Answered
		Chosen Option: 3
Q.43	What is the unit for conductance?	
	×1 watt	
	✓ 2. siemens	
	x 3. ampere	
	× 4. ohm	
		Question ID : 5096477173
		Status : Answered
		Chosen Option : 2
Q.44	Charles's law is observed at:	
	X 1. constant volume	
	× 2. constant volume and pressure	
	X 3. constant temperature	
	✓ 4. constant pressure	
	V COLUMN PLOSSINIC	
		Question ID : 5096477165 Status : Answered
		Chosen Option : 1
Q.45	Ascorbic acid is found in .	
Ans	× 1. aspirin	
	5-13-15-15-15-15-15-15-15-15-15-15-15-15-15-	
	× 2. vinegar	
	✓ 3. vitamin-C	
	★ 4 battery acid	
		Question ID : 5096477163
		Status : Answered Chosen Option : 3
		·
Q.46	What is the stability order of inert gases?	
Ans	X 1. Kr > Ar > Xe	
	\times 2. Ar = Kr = Xe	
	\times 3. Ar > Kr > Xe	
	\checkmark 4. $Xe > Kr > Ar$	
		Question ID : 5096477136 Status : Answered

Q.47 Which of the following is the decreasing order of reducing strength of lanthanides?

Ans
$$\times$$
 1. Sm²⁺ > Eu²⁺ > Yb²⁺

 \times 2. Eu²⁺ > Yb²⁺ > Sm²⁺

 \checkmark 3. Sm²⁺ > Yb²⁺ > Eu²⁺

 \times 4 Eu²⁺ > Sm²⁺ > Yb²⁺

Question ID: 5096477129 Status: Answered

Chosen Option: 1

 $^{Q.48}$ What is the oxidation state of chlorine in Cl_2O_7 ?

Question ID: 5096477135

Status: Answered

Chosen Option: 2

Q.49 The nucleoside composed of adenine with β-D-ribose is called _____.

X 2. deoxyadenosine

X 3. thymine

X 4. guanine

Question ID: 5096477152

Status: Answered

Chosen Option: 1

Q.50 The P^H of 1×10^{-9} M HCl solution is:

X 2. 6.960

X 3. 6.979

4. 6.997

Question ID: 5096477174

Status: Answered

Chosen Option: 2

Q.51 Which of the following is the decreasing order of oxidizing power of halogens?

$$\times$$
 1. I > Br > Cl > F

$$\times$$
 2. I > Cl > Br > F

$$\times$$
 3. Cl>F>Br>I

Question ID: 5096477126 Status: Answered

		Chosen Option : 3	
Q.52	Which of the following is the correct increasing order of	fionization energy?	
Ans	\times 1. He < Ne < Ar < Kr		
	\times 2. Ar < Kr < Ne < He		
	\checkmark 3. Kr $<$ Ar $<$ Ne $<$ He		
	X 4. He < Ne < Kr < Ar		
		Question ID : 5096477125	
		Status : Answered	
		Chosen Option : 3	
Q.53	A eutectic mixture in a binary system haved	egrees of freedom.	
Ans	X 1. 0		
	X 2. 3		
	X 3. 1		
	√ 4. 2		
		Question ID : 5096477179	
		Status : Answered	
		Chosen Option : 4	
Q.54	For every 10° C rise of temperature, what is the rate of a reaction?		
Ans	★ 1. Attains equilibrium		
	√ 2. Increase by two fold		
	★ 3. Decrease by two fold		
	★ 4. No change		
		Question ID : 5096477175	
		Status : Answered	
		Chosen Option : 2	
Q.55	Cyclohexanone reacts with diazomethane to produce	duce	
Ans	★ 1. cyclohexane		
	√ 2. heptanone		
	X ₃ heptane		
	★ 4. cyclohexene		
		Question ID : 5096477157	
		Status : Answered Chosen Option : 2	
		THE CONTRACT OF THE CONTRACT O	
Q.56	In Vander Waal's equation, Pressure correction is	represented by:s	
Ans	X 1. P _{corrected} = P _{observed} - P _{ideal}		
	2. Pideal = Pobserved - Pcorrected		
	\times 3. $P_{ideal} = P_{corrected} - P_{observed}$		
	√ 4. P _{ideal} = P _{observed} + P _{corrected}		

Question ID: 5096477182

Status: Answered

Chosen Option: 4

Q.57 Which of the following has the highest enthalpy of formation?

Ans

X 2. H-H

X 3. H-Cl

X 4. H-Br

Question ID: 5096477167

Status: Answered

Chosen Option: 1

Q.58 Select the products of following reaction.

$$2 BBr_3 + 3 H_2 \rightarrow$$

$$\times$$
 2. B₂H₆ + 3 Br₂

$$\times$$
 3. $B_4H_{10} + 2 HBr$

$$\times$$
 4. B₂H₆ + 6 HBr

Question ID: 5096477133

Status: Answered

Chosen Option: 2

Q.59 De Broglie relation is represented by _____.

Ans
$$\chi$$
 1. $\lambda = p.h$

$$\times$$
 2. $h = \lambda/p$

$$\checkmark$$
 3. $\lambda = h/p$

$$\times$$
 4. $\lambda = p/h$

Question ID: 5096477170

Status: Answered

Chosen Option: 3

Q.60 What is the correct increasing order of boiling points of borane?

Ans
$$\times$$
 1. $B_6H_{10} < B5H_{11} < B_5H_9 < B_4H_{10}$

$$\times$$
 2. $B_5H_9 < B_4H_{10} < B_5H_{11} < B_6H_{10}$

$$\checkmark$$
 3. $B_4H_{10} < B5H9 < B_5H_{11} < B_6H_{10}$

$$X$$
 4. $B_6H_{10} < B_4H_{10} < B_5H_9 < B_5H_{11}$

Question ID: 5096477139

Status: Answered