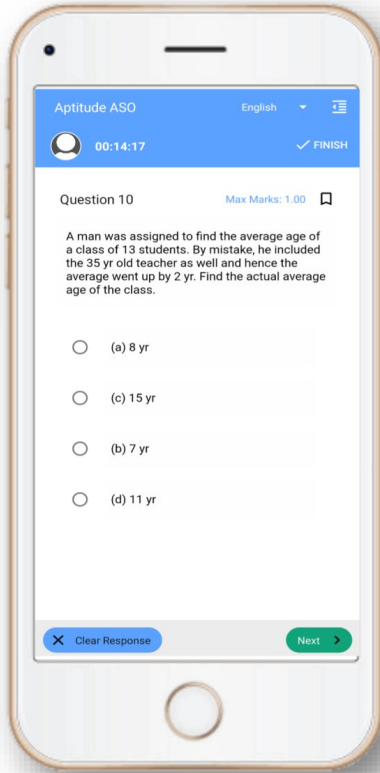


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ODISHA ADARSHA VIDYALAYA SANGATHAN

Participant ID:	Techofworld.In
Participant Name:	Techofworld.In
Test Center Name:	iON Digital Zone iDZ 2 Patia
Test Date:	14/06/2018
Test Time:	2:30 PM - 5:50 PM
Subject:	TGT Science

Section : Language Proficiency Test General English

Q.1 Choose the correct ANTONYM of the following word:

DORMANT

- Ans
- 1. Forgotten
 - 2. Latent
 - 3. Active
 - 4. Dead

Question ID : 6044814783

Status : Answered

Chosen Option : 3

Q.2 Choose the correctly phrased sentence from the options given below.

- Ans
- 1. Either you or she is presenting this case.
 - 2. Either you or she and presenting this case.
 - 3. Either you or she are presenting this case.
 - 4. Either you or her are presenting this case.

Question ID : 6044814786

Status : Answered

Chosen Option : 1

Q.3 Pick the correct conjunction to fill in the blank.

_____ she likes to sing 'Malhar', her favourite Raag is 'Yaman'.

- Ans
- 1. Because
 - 2. While
 - 3. Even
 - 4. Since

Question ID : 6044814781

Status : Answered

Chosen Option : 3

Q.4 Fill in the blank with the correct word.

Vikramaditya was an _____ judge.

- Ans
- 1. immense
 - 2. imminent
 - 3. eminent
 - 4. eminence

Question ID : 6044814784

Status : Answered

Chosen Option : 3

Q.5 Choose the grammatically correct sentence.

- Ans
- 1. The human beings are destroying the planet Earth
 - 2. Human beings are destroying planet Earth
 - 3. Human beings are destroying the planet Earth
 - 4. The human beings are destroying planet Earth

Question ID : 6044814774

Status : Answered

Chosen Option : 3



Q.6 Fill in the blank with the correct phrase.

With no appetite, she _____ the food on her plate.

- Ans
- 1. picked about
 - 2. picked on
 - 3. picked at
 - 4. picked up

Question ID : 6044814770
Status : Answered
Chosen Option : 4

Q.7 Choose the correct option that means the following:

The action of speaking about God or sacred things in a sacrilegious manner.

- Ans
- 1. Atheism
 - 2. Theism
 - 3. Monogamy
 - 4. Blasphemy

Question ID : 6044814773
Status : Answered
Chosen Option : 2

Q.8 Fill in the blank with the correct preposition.

Manas is, _____ a doubt, the best chef in town.

- Ans
- 1. within
 - 2. without
 - 3. around
 - 4. outside

Question ID : 6044814779
Status : Answered
Chosen Option : 2

Q.9 Fill in the blank using the correct collective noun.

A/an _____ is a collection of maps.

- Ans
- 1. globe
 - 2. arrangement
 - 3. maker
 - 4. atlas

Question ID : 6044814780
Status : Answered
Chosen Option : 4

Q.10 Choose the meaning of the highlighted part of the given sentence.
The Mishras **occasionally eat out**.

- Ans
- 1. eat out every day
 - 2. eat out every week
 - 3. don't eat out at all
 - 4. eat out sometimes

Question ID : 6044814775
Status : Answered
Chosen Option : 4

Q.11 Fill in the blank using the correct collective noun.

An _____ of islands.

- Ans
- 1. armada
 - 2. ambush
 - 3. argument
 - 4. archipelago

Question ID : 6044814769
Status : Answered
Chosen Option : 4

Q.12 Choose the correct adjective in the superlative degree to fill in the blank.

Which of these brands has _____ range of products?

- Ans
- 1. the more wide
 - 2. the wide
 - 3. the wider
 - 4. the widest

Question ID : 6044814778

Status : Answered

Chosen Option : 4

Q.13 Choose the meaning of the following idiom from the options given.

Run like clockwork.

- Ans
- 1. To run fast and accurately
 - 2. Be on time
 - 3. Go smoothly
 - 4. Be late

Question ID : 6044814785

Status : Answered

Chosen Option : 3

Q.14 Choose the analogous pair.

Elephant : Trumpet

- Ans
- 1. Tiger : smile
 - 2. Mosquito : bite
 - 3. Goat : bleat
 - 4. Snake : crawl

Question ID : 6044814776

Status : Answered

Chosen Option : 3

Q.15 Choose the correct option to complete the analogy:

Dermatologist : Skin :: Orthopaedician : _____

- Ans
- 1. Heart
 - 2. Bone
 - 3. Children
 - 4. Eye

Question ID : 6044814772

Status : Answered

Chosen Option : 2

Q.16 Fill in the blank in the following sentence by choosing the correct future tense form of the word 'is'.

We _____ celebrate the housewarming ceremony next week.

- Ans
- 1. are
 - 2. will
 - 3. will be
 - 4. is

Question ID : 6044814777

Status : Answered

Chosen Option : 2

Q.17 Choose the correct option to correctly answer the given question in the past tense.

What were you doing at 11 pm?

- Ans
- 1. I cleaned my bookshelves.
 - 2. I was cleaned my bookshelves.
 - 3. I was cleaning my bookshelves.
 - 4. I cleaning my bookshelves.

Question ID : 6044814767

Status : Answered

Chosen Option : 3

Q.18 Fill in the blank with the correct word.

A _____ is a person with a negative perspective in life.

- Ans
- 1. optimist
 - 2. successor
 - 3. precursor
 - 4. pessimist

Question ID : 6044814771

Status : Answered

Chosen Option : 1

Q.19 Choose the correct synonym of the following word:

FRAGRANCE

- Ans
- 1. Smell
 - 2. Desire
 - 3. Anger
 - 4. Wish

Question ID : 6044814782

Status : Answered

Chosen Option : 1

Q.20 Choose the correct option and complete the following sentence in the present tense.

Anand and Sadanand _____ chess on Sundays.

- Ans
- 1. is playing
 - 2. play
 - 3. will play
 - 4. are playing

Question ID : 6044814768

Status : Answered

Chosen Option : 2

Section : Language Proficiency Test Odia

Q.1 'ଗ୍ରାଷୁ କାଳ' - ରେଖାଙ୍କିତ ପଦଟି ଏଠାରେ କିପରି ବ୍ୟବହୃତ ?

- Ans
- 1. ବିଶେଷଣ
 - 2. ସର୍ବନାମ
 - 3. ବିଶେଷ୍ୟ
 - 4. ସର୍ବ

Question ID : 6044814806

Status : Answered

Chosen Option : 1

Q.2 'ଶୁଣିବାର ଇଚ୍ଛା' - ଏକ ପଦରେ ପ୍ରକାଶ କଲେ କ'ଣ ହେବ ?

- Ans
- 1. ଶୁଣିବା
 - 2. ଶୁଣିବା
 - 3. ଶୁଣିବା
 - 4. ଶୁଣିବା

Question ID : 6044814800

Status : Answered

Chosen Option : 2

Q.3 ନିମ୍ନୋକ୍ତ କେଉଁଟି ଅକର୍ମକ ଧାତୁର କ୍ରିୟା ?

- Ans
- 1. ଜିଣିଲା
 - 2. ଆଣିଲା
 - 3. ଶୁଣିଲା
 - 4. ଧାଇଁଲା

Question ID : 6044814801

Status : Answered

Chosen Option : 4

Q.4 'ସୁନାମୁଦି' ଶବ୍ଦଟି କି ପ୍ରକାର ସମାସ ?

- Ans
- 1. ଦ୍ଵିଗୁ ସମାସ
 - 2. ବହୁବ୍ରହ୍ମୀ ସମାସ
 - 3. ଅବ୍ୟୟୀ ଭାବ
 - 4. କର୍ମଧାରୟ ସମାସ

Question ID : 6044814798

Status : Answered

Chosen Option : 4

Q.5 ବ୍ୟବସାୟ ଅର୍ଥରେ କେଉଁ ଶବ୍ଦରେ 'ଇକ' ପ୍ରତ୍ୟୟ ଲାଗିଛି ?

- Ans
- 1. ମୌଳିକ
 - 2. ଚୈତ୍ତିକ
 - 3. ତୈଳିକ
 - 4. ସୈନିକ

Question ID : 6044814794

Status : Answered

Chosen Option : 3

Q.6 'ସେ ନିଶ୍ଚୟ ଆସିବ'-ଏହାକୁ ବାଚ୍ୟପରିବର୍ତ୍ତନ କଲେ କ'ଣ ହେବ ?

- Ans
- 1. ସେ ନିଶ୍ଚୟ ଆସିଥିଲା
 - 2. ସେ ନିଶ୍ଚୟ ଆସିପାରେ
 - 3. ତାକୁ ନିଶ୍ଚୟ ଆସିବାକୁ ହେବ
 - 4. ସେ ଆସିବା ମୁଁ ଜାଣେ

Question ID : 6044814792

Status : Answered

Chosen Option : 3

Q.7 'ପତନ' ଶବ୍ଦର ବିପରିତାର୍ଥ ବୋଧକ ଶବ୍ଦ କେଉଁଟି ?

- Ans
- 1. ଉତ୍ଥାନ
 - 2. ନିପାତନ
 - 3. ଅଧୋପତନ
 - 4. ନିପାତ

Question ID : 6044814788

Status : Answered

Chosen Option : 1

Q.8 କ୍ରିୟା ସହିତ କେଉଁ ପଦର ଅନ୍ତର୍ଯ୍ୟ ନଥାଏ ?

- Ans
- 1. ସମସ୍ତ ପଦ
 - 2. କରଣ କାରକ
 - 3. ସମ୍ଭବ ପଦ
 - 4. ଅବ୍ୟୟ ପଦ

Question ID : 6044814805

Status : Answered

Chosen Option : 3

Q.9 କେଉଁ ପ୍ରକ୍ରିୟାରେ ବାକ୍ୟ ସଂକ୍ଷେପଣ ହୁଏ ?

- Ans
- 1. ରହ୍ଣି
 - 2. କୃତଚ୍ଚ
 - 3. ଧ୍ଵନିଲୋପ
 - 4. ସମାସ

Question ID : 6044814791

Status : Not Answered

Chosen Option : --

Q.10 ନିଃ+ ପାପ= ନିଷ୍ଠାପ-ଏହା କି ପ୍ରକାର ସହ ?

- Ans
- 1. ବ୍ୟଞ୍ଜନ ସହ
 - 2. ସର ସହ
 - 3. ବିସର୍ଗ ସହ
 - 4. ସହସ୍ଵର

Question ID : 6044814799

Status : Answered

Chosen Option : 3

Q.11 'ଅହନ୍ ଓ ନିଶା'- ଏହାକୁ ଏକ ପଦରେ ପ୍ରକାଶ କଲେ କ'ଣ ହେବ ?

- Ans
- 1. ଅହନିଶା
 - 2. ଅହନନିଶା
 - 3. ଅହନିଶା
 - 4. ଅହନିଶା

Question ID : 6044814797
Status : Answered
Chosen Option : 1

Q.12 'ମେଘାଗମରେ ମୟୂର ନୃତ୍ୟ କରନ୍ତି'- ଏ ବାକ୍ୟରେ ରେଖାଙ୍କିତ ପଦଟି କି ବିଭକ୍ତି ?

- Ans
- 1. ଭାବେ ସପ୍ତମୀ
 - 2. ବ୍ୟପ୍ତି ଅର୍ଥରେ ପଞ୍ଚମୀ
 - 3. ହେତୁ ଅର୍ଥେ ତୃତୀୟା
 - 4. ସମହେ ଷଷ୍ଠୀ

Question ID : 6044814804
Status : Answered
Chosen Option : 1

Q.13 'ଅମର' ଶବ୍ଦଟି କେଉଁ ଦୁଇଟି ଅର୍ଥ ପ୍ରକାଶ କରେ ?

- Ans
- 1. ବିଷ୍ଣୁ ଓ ବସୁ
 - 2. ଆକାଶ ଓ ବସୁ
 - 3. ଆକାଶ ଓ ତାରା
 - 4. ବିଷ୍ଣୁ ଓ ଆକାଶ

Question ID : 6044814790
Status : Answered
Chosen Option : 2

Q.14 'ମନ୍ଦିର ରୂପରେ ସୁବର୍ଣ୍ଣ କଳସା'-ଏ ବାକ୍ୟରେ ଭୁଲ ଶବ୍ଦଟି କେଉଁଟି ?

- Ans
- 1. ରୂପରେ
 - 2. ସୁବର୍ଣ୍ଣ
 - 3. କଳସା
 - 4. ମନ୍ଦିର

Question ID : 6044814789
Status : Answered
Chosen Option : 1

Q.15 'ସେ ମରିବ ସିନା ହଟିବ ନାହିଁ'- ଏ ବାକ୍ୟରେ ନିଶ୍ଚୟାର୍ଥ ପ୍ରକାଶ କରୁଥିବା ଅବ୍ୟୟଟି କେଉଁଟି ?

- Ans
- 1. ସିନା
 - 2. ନାହିଁ
 - 3. ହଟିବ
 - 4. ମରିବ

Question ID : 6044814803
Status : Answered
Chosen Option : 1

Q.16 ନିମ୍ନୋକ୍ତ ପଦ ଭିତରୁ କେଉଁଟି କୃତ୍ରିମ ପଦ ?

- Ans
- 1. କରେଣା
 - 2. ମିଶାଣା
 - 3. କୁଶାଣା
 - 4. ଭୁଆଣା

Question ID : 6044814796
Status : Answered
Chosen Option : 2

Q.17 'ହରି ବଜାରକୁ ଯାଇ ଲୁଗା କିଣିଲା'- ଏ ବାକ୍ୟରେ ଅସମାପିକା କ୍ରିୟାଟି କେଉଁଟି ?

- Ans
- 1. ବଜାରକୁ
 - 2. କିଣିଲା
 - 3. ଯାଇ
 - 4. ଲୁଗା

Question ID : 6044814802
Status : Answered
Chosen Option : 3

Q.18 'ସମୁଦ୍ର ଜଳ ଭାରି ଲୁଣିଆ'-ଏ ବାକ୍ୟରେ କେଉଁଟି ଚର୍ଚ୍ଚିତ ପଦ ?

- Ans
- 1. ଭାରି
 - 2. ଲୁଣିଆ
 - 3. ଜଳ
 - 4. ସମୁଦ୍ର

Question ID : 6044814795

Status : Answered

Chosen Option : 2

Q.19 'ଦ୍ଵିଜ' ଶବ୍ଦ ର ପ୍ରତିଶବ୍ଦ କେଉଁଟି ?

- Ans
- 1. ପକ୍ଷୀ
 - 2. ଜଳ
 - 3. ରାତ୍ରି
 - 4. ଅସୁର

Question ID : 6044814787

Status : Not Answered

Chosen Option : --

Q.20 'ଯେ ଢେରା କରେ ସେ ଦଣ୍ଡପାଏ'- ଏହା କି ପ୍ରକାର ବାକ୍ୟ ?

- Ans
- 1. ମୌଖିକ ବାକ୍ୟ
 - 2. ଜଟିଳ ବାକ୍ୟ
 - 3. ସରଳ ବାକ୍ୟ
 - 4. ମିଶ୍ର ବାକ୍ୟ

Question ID : 6044814793

Status : Answered

Chosen Option : 2

Section : Current Affairs

Q.1 According to the 'Global Energy & CO₂ Status Report 2017' by International Energy Agency in March 2018, which country had the biggest decline in global energy-related CO₂ emissions in 2017 over 2016 (in absolute terms)?

- Ans
- 1. China
 - 2. United Kingdom
 - 3. United States of America
 - 4. India

Question ID : 6044814818

Status : Answered

Chosen Option : 4

Q.2 According to the Unique Identification Authority of India (UIDAI), a child below _____ years of age gets a blue- coloured Aadhaar known as the 'Baal Aadhaar'.

- Ans
- 1. Five
 - 2. Nine
 - 3. Seven
 - 4. Four

Question ID : 6044814819

Status : Not Answered

Chosen Option : --

Q.3 Who among the following has been the Chairman of the National Bank for Agriculture and Rural Development (NABARD) since 18 December 2013?

- Ans
- 1. HR Dave
 - 2. Prakash Bakshi
 - 3. R Amalorpavanathan
 - 4. Harsh Kumar Bhanwala

Question ID : 6044814823

Status : Not Answered

Chosen Option : --

Q.4 Which of the following was a partner state of the 46th edition of the Know India Programme held in 2018?

- Ans
- 1. Madhya Pradesh
 - 2. Karnataka
 - 3. Bihar
 - 4. Uttar Pradesh

Question ID : 6044814831

Status : Answered

Chosen Option : 1

Q.5 The President of India, Ram Nath Kovind, inaugurated the World Hindi Secretariat building on 13th March 2018 on the third day of his visit to _____.

- Ans
- 1. South Africa
 - 2. Madagascar
 - 3. Singapore
 - 4. Mauritius

Question ID : 6044814808

Status : Answered

Chosen Option :4

Q.6 On which of the following dates was Earth Hour 2018 observed by people around the globe?

- Ans
- 1. 28th February 2018
 - 2. 24th March 2018
 - 3. 25th January 2018
 - 4. 20th March 2018

Question ID : 6044814817

Status : Not Answered

Chosen Option :--

Q.7 Which of the following Indian states is well known for its Nirmal folk paintings?

- Ans
- 1. Bihar
 - 2. Gujarat
 - 3. Andhra Pradesh
 - 4. Odisha

Question ID : 6044814827

Status : Not Answered

Chosen Option :--

Q.8 In March 2018, which mobile application was launched by the National Highways Authority of India (NHAI) to empower highway users by allowing them to enter road-quality information and to report any accident or pothole on the highway?

- Ans
- 1. Sarthak Yatra
 - 2. Surakshit Yatra
 - 3. Sukhad Yatra
 - 4. Savdhaan

Question ID : 6044814821

Status : Answered

Chosen Option :4

Q.9 Which Indian state has launched the 'Ama Gaon, Ama Vikas' Programme to strengthen the Panchayati Raj system?

- Ans
- 1. Odisha
 - 2. Haryana
 - 3. Bihar
 - 4. Rajasthan

Question ID : 6044814815

Status : Answered

Chosen Option :4

Q.10 Who among the following won gold at the 2018 Commonwealth Games in the 53 kg category of the women's weightlifting event?

- Ans
- 1. Manu Bhaker
 - 2. Heena Sidhu
 - 3. Punam Yadav
 - 4. Sanjita Chanu

Question ID : 6044814832

Status : Answered

Chosen Option :1

Q.11 Where was the 105th session of the Indian Science Congress held?

- Ans
- 1. Jammu
 - 2. Mysore
 - 3. Kolkata
 - 4. Imphal

Question ID : 6044814813

Status : Answered

Chosen Option :4

Q.12 According to the World Happiness Report 2018 by J Helliwell, R Layard and J Sachs, What is India's position based on the average ladder score (the average answer to the Cantril ladder question, asking people to evaluate the quality of their current lives on a scale of 0 to 10) averaged over the years 2015-17?

- Ans
- 1. 85th position
 - 2. 51st position
 - 3. 101st position
 - 4. 133rd position

Question ID : 6044814809
Status : Answered
Chosen Option : 4

Q.13 What is the full form of DNA – a thread-like chain of nucleotides carrying the genetic instructions used in the growth, development, functioning and reproduction of all known living organisms and many viruses?

- Ans
- 1. Deoxyribonucleic Acid
 - 2. Deoxy Nitric Acid
 - 3. Deribo Nitric Acid
 - 4. Diribo Nitrous Agent

Question ID : 6044814825
Status : Answered
Chosen Option : 1

Q.14 What is India's first cloned Assamese buffalo born in March 2018 named?

- Ans
- 1. Garima
 - 2. Noorie
 - 3. Dolly
 - 4. Sach-Gaurav

Question ID : 6044814830
Status : Not Answered
Chosen Option : --

Q.15 Where is the headquarters of the Indian Science Congress Association located?

- Ans
- 1. Delhi
 - 2. Kolkata
 - 3. Hyderabad
 - 4. Bengaluru

Question ID : 6044814829
Status : Answered
Chosen Option : 2

Q.16 Which of the following is NOT a tributary of the river Krishna?

- Ans
- 1. Bhima
 - 2. Tungabhadra
 - 3. Koyna
 - 4. Cauvery

Question ID : 6044814826
Status : Answered
Chosen Option : 4

Q.17 As of May 2018, who is the Chief Executive Officer of the Unique Identification Authority of India (UIDAI)?

- Ans
- 1. J Satyanarayana
 - 2. Dr. Ajay Bhushan Pandey
 - 3. Dr. Anand Deshpande
 - 4. Nandan Nilekani

Question ID : 6044814807
Status : Answered
Chosen Option : 1

Q.18 Which of the following is celebrated as UN World Wildlife Day to raise awareness of the world's wild animals and plants?

- Ans
- 1. 3 March
 - 2. 5 April
 - 3. 12 May
 - 4. 22 February

Question ID : 6044814835
Status : Not Answered
Chosen Option : --

Q.19 Which of the following is NOT a district in the Indian state of Nagaland?

- Ans
- 1. Phek
 - 2. Tuensang
 - 3. Mon
 - 4. Ukhrul

Question ID : 6044814828
Status : Not Answered
Chosen Option : --

Q.20 How many districts does the Union Territory of Puducherry have?

- Ans
- 1. 3
 - 2. 4
 - 3. 5
 - 4. 2

Question ID : 6044814811
Status : Answered
Chosen Option : 3

Q.21 In February 2018, _____, a 106-year-old woman who was chosen as the mascot for the 'Swachh Bharat Abhiyan' passed away.

- Ans
- 1. Mamoni Baideo
 - 2. Laxmi Shinde
 - 3. Saraswathi Gora
 - 4. Kunwar Bai

Question ID : 6044814816
Status : Not Answered
Chosen Option : --

Q.22 In April 2018, the Government of India launched which of the following apps for coal quality monitoring?

- Ans
- 1. UTTAM
 - 2. DHARMA
 - 3. SHAKTI
 - 4. KOYLA

Question ID : 6044814824
Status : Answered
Chosen Option : 1

Q.23 To which Indian state do the famous folk paintings 'Madhubani' belong?

- Ans
- 1. Andhra Pradesh
 - 2. Bihar
 - 3. Madhya Pradesh
 - 4. Uttar Pradesh

Question ID : 6044814814
Status : Not Answered
Chosen Option : --

Q.24 Who is the author of the famous novel 'Swami and Friends'?

- Ans
- 1. RK Narayan
 - 2. Anita Desai
 - 3. Tulsi Das
 - 4. Munshi Premchand

Question ID : 6044814833
Status : Not Answered
Chosen Option : --

Q.25 What is the full form of IFAD – a specialised agency of the United Nations dedicated to eradicating poverty and hunger in rural areas of developing countries?

- Ans
- 1. Institute of Finance for Agronomic Development
 - 2. Institute of Financial Assistance for Developing Countries
 - 3. International Fund for Agricultural Development
 - 4. International Financial Association for Developing Countries

Question ID : 6044814810
Status : Answered
Chosen Option : 2

Q.26 According to the World Health Organization, which of the following days is commemorated as the World Tuberculosis Day every year to raise public awareness about the devastating health, social and economic consequences of tuberculosis?

- Ans
- 1. 25 April
 - 2. 24 March
 - 3. 1 December
 - 4. 12 February

Question ID : 6044814822
Status : Answered
Chosen Option : 2

Q.27 Resilient Cities 2018, an Annual Global Forum on Urban Resilience and Adaptation, will take place in _____.

- Ans
- 1. Australia
 - 2. India
 - 3. Germany
 - 4. France

Question ID : 6044814836
Status : Answered
Chosen Option : 1

Q.28 Which of the following is NOT a district in the Indian state of Tripura?

- Ans
- 1. Tuensang
 - 2. Gomati
 - 3. Dhalai
 - 4. Sepahijala

Question ID : 6044814812

Status : Not Answered

Chosen Option :--

Q.29 Who won the Abel Prize in 2018 for his visionary programme connecting the representation theory to the number theory?

- Ans
- 1. Srinivasa Varadhan
 - 2. Yakov Sinai
 - 3. Yves Meyer
 - 4. Robert P Langlands

Question ID : 6044814834

Status : Not Answered

Chosen Option :--

Q.30 In January 2018, which of the following countries introduced VAT (Value-Added Tax) for the first time in its economy?

- Ans
- 1. Oman
 - 2. Switzerland
 - 3. Sweden
 - 4. Saudi Arabia

Question ID : 6044814820

Status : Answered

Chosen Option :2

Section : Reasoning

Q.1 The number of girls in a class is thrice the number of boys. Which one of the following numbers CANNOT represent the total number of children in the class?

- Ans
- 1. 48
 - 2. 60
 - 3. 39
 - 4. 36

Question ID : 6044814855

Status : Answered

Chosen Option :3

Q.2 Find the angle between the hour hand and the minute hand of a clock when the time is 3 : 25.

- Ans
- 1. $47\frac{1}{2}^\circ$
 - 2. $57\frac{1}{2}^\circ$
 - 3. 51°
 - 4. 42°

Question ID : 6044814842

Status : Answered

Chosen Option :1

Q.3 What was the day of the week on 19 July 1776?

- Ans
- 1. Thursday
 - 2. Friday
 - 3. Sunday
 - 4. Tuesday

Question ID : 6044814862

Status : Answered

Chosen Option :1

Q.4 Find the missing term in the given series.

a, cd, ghi, _____, uvwxy

- Ans
- 1. lmno
 - 2. jklm
 - 3. mnop
 - 4. uvxyz

Question ID : 6044814858

Status : Answered

Chosen Option :3

Q.5 When seen through a mirror, a clock shows 3:30. The correct time is _____.

- Ans
- 1. 8:30
 - 2. 2:30
 - 3. 5:30
 - 4. 6:30

Question ID : 6044814864

Status : Answered

Chosen Option :1

Q.6 Read the following statement carefully and answer the question given below.

Five friends are sitting on a bench. Sunil is sitting next to Viji and Arun is sitting next to Bala. Bala is not sitting with Hari. Hari is on the left end of the bench and Arun is at the second position from the right side. Sunil is on the right side of Viji and to the left side of Arun. Sunil and Arun are sitting together.

Who is sitting in the centre?

- Ans
- 1. Sunil
 - 2. Arun
 - 3. Hari
 - 4. Viji

Question ID : 6044814857

Status : Answered

Chosen Option :1

Q.7 Narmada has a certain number of small toys to pack into parcels. If she packs 3, 4, 5 or 6 toys in a parcel, she is left with one over, and if she packs 7 toys in a parcel, none is left over. What is the number of toys she has to pack?

- Ans
- 1. 350
 - 2. 300
 - 3. 150
 - 4. 301

Question ID : 6044814856

Status : Answered

Chosen Option :4

Q.8 Given below are two statements and a conclusion. State whether the conclusion drawn from the statements is true, false or irrelevant.

Statements:

- I. Some students are weak in Mathematics.
- II. All those who are weak in Mathematics are Artists.

Conclusion:

Some Artists are weak in Mathematics.

The conclusion drawn is:

- Ans
- 1. Definitely true
 - 2. Probably true
 - 3. Irrelevant
 - 4. Definitely false

Question ID : 6044814847

Status : Answered

Chosen Option :1

Q.9 Ragavi ranks 17th in a class of 31 students. What is her rank from the bottom?

- Ans
- 1. 16
 - 2. 14
 - 3. 12
 - 4. 15

Question ID : 6044814843

Status : Answered

Chosen Option :4

Q.10 Introducing Sahana, Karan said, "I am the only son of her mother's son". How is Sahana related to Karan?

- Ans
- 1. Aunt
 - 2. Mother
 - 3. Sister
 - 4. Grandmother

Question ID : 6044814851

Status : Answered

Chosen Option :1

Q.11 Study the following information carefully and answer the question that follows.

A cube is coloured yellow on all faces. It is cut into 64 smaller cubes of equal size. How many cubes will have only one coloured face?

- Ans
- 1. 20
 - 2. 8
 - 3. 16
 - 4. 24

Question ID : 6044814837

Status : Not Answered

Chosen Option :--

Q.12 In the given series, the difference between how many pairs of successive numbers is 3?

6 4 9 2 2 8 7 4 2 9 5 3 8 6 2 9 7 9 4 9 3 2 8 6

Question ID : 6044814852

Status : Answered

Chosen Option : 2

- Ans
- 1. 2
 - 2. 1
 - 3. 3
 - 4. 6

Q.13 In the following question, the symbols *, @, %, \$ and # are used with the following meaning as illustrated below.

X % Y means 'X is equal to Y'
 X @ Y means 'X is smaller than Y'
 X * Y means 'X is not smaller than Y'
 X \$ Y means 'X is greater than Y'
 X # Y means 'X is not greater than Y'

Question ID : 6044814838

Status : Answered

Chosen Option : 1

Given below are three statements and two conclusions. Choose the conclusion(s) that logically follow(s) from the statements.

Statements:

- A. K \$ M
- B. M * S
- C. R @ S

Conclusions:

- I. R @ M
- II. K % S

- Ans
- 1. Only conclusion I is true
 - 2. Either conclusion I or II is true
 - 3. Neither conclusion I nor II is true
 - 4. Only conclusion II is true

Q.14 A question is given followed by two statements. Find out which statement(s) is/are sufficient to answer the given question.

Question:

How is Praveen related to Sekhar?

Question ID : 6044814863

Status : Answered

Chosen Option : 3

Statements:

- I. Praveen is the only son of Sekhar's mother-in-law.
- II. Anitha is Praveen's only sister.

- Ans
- 1. Data in statement II alone is sufficient
 - 2. Data in both statements I and II together is not sufficient
 - 3. Data in statement I alone is sufficient
 - 4. Data either in statement I alone or II alone is sufficient

Q.15 Choose the analogous pair.

4 : 25 :: _____ : _____

Question ID : 6044814839

Status : Answered

Chosen Option : 2

- Ans
- 1. 2 : 3
 - 2. 3 : 16
 - 3. 7 : 49
 - 4. 5 : 125

Q.16 In a certain code language, 346859 is written as 437768. How is 210678 written in that code?

Question ID : 6044814849

Status : Answered

Chosen Option : 3

- Ans
- 1. 301789
 - 2. 312587
 - 3. 301587
 - 4. 321587

Q.17 Read the statements and select which of the given conclusions logically follows from the statements.

Statement:

- A. All men are uncles.
- B. All uncles are brothers.

Conclusions:

- I. All men are brothers.
- II. Some men are not brothers.

Question ID : 6044814853

Status : Answered

Chosen Option : 3

- Ans
- 1. Either conclusion I or II follows
 - 2. Neither conclusion I nor II follows
 - 3. Only conclusion I follows
 - 4. Only conclusion II follows

Q.18 Find the missing term in the given series.

0, 7, 26, 63, 124, _____, 342

- Ans
- 1. 215
 - 2. 224
 - 3. 216
 - 4. 225

Question ID : 6044814850

Status : Answered

Chosen Option : 1

Q.19 If $X > Y$, $Y > T$ and $T > S$, then which of the following conclusions is definitely INCORRECT?

- Ans
- 1. $X > S$
 - 2. $S > Y$
 - 3. $Y > S$
 - 4. $S < X$

Question ID : 6044814854

Status : Answered

Chosen Option : 2

Q.20 Read the following information carefully and answer the question given below.

- i. There are six members in a family – R, S, T, U, V and W
- ii. The number of males equals that of females.
- iii. R and V are sons of W.
- iv. U is the mother of two – one son and one daughter.
- v. S is the son of R.
- vi. There is one married couple in the family at present.

Which one of the following inferences can be drawn from the above information?

- Ans
- 1. V and W are children of U
 - 2. R is the husband of U
 - 3. R, S and T are all females
 - 4. U is the grandfather of W

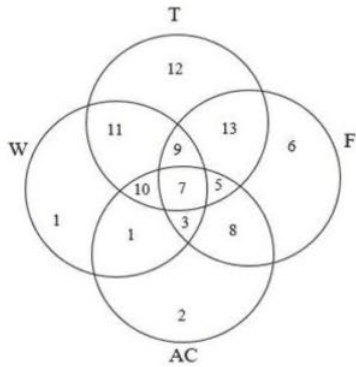
Question ID : 6044814866

Status : Answered

Chosen Option : 2

Q.21 Consider the following diagram carefully and answer the question that follows.

Question ID : 6044814841
 Status : Answered
 Chosen Option : 3



Circle T stands for 'Television'
 Circle F stands for 'Four-wheeler'
 Circle AC stands for 'Airconditioner'
 Circle W stands for 'Washing Machine'

Only AC and not the remaining three items is represented by _____.

- Ans
- 1. Region 3
 - 2. Region 4
 - 3. Region 2
 - 4. Region 8

Q.22 Which of the following diagrams best depicts the relationship between the given items?

Flower, Lotus, Rose

Question ID : 6044814859
 Status : Answered
 Chosen Option : 1



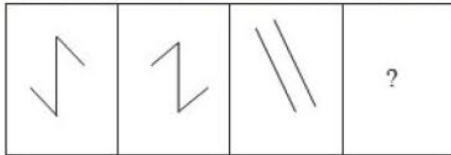
- Ans
- 1. a
 - 2. d
 - 3. b
 - 4. c

Q.23 Prism is related to Glass in the same way as Oil is related to _____.

- Ans
- 1. Wood
 - 2. Seed
 - 3. Sand
 - 4. Tree

Question ID : 6044814848
Status : Answered
Chosen Option : 2

Q.24 Choose the correct option figure to complete the given series.



- Ans
- 1.
 - 2.
 - 3.
 - 4.

Question ID : 6044814860
Status : Answered
Chosen Option : 4

Q.25 Given below are two statements and two conclusions. Choose the conclusion(s) that logically follow(s) from the statements.

Statements:

- A. Some fishes are frogs.
- B. Some frogs are cats.

Conclusions:

- I. Some fishes are cats.
- II. Some cats are fishes.

- Ans
- 1. Only conclusion I follows
 - 2. Neither conclusion I nor II follows
 - 3. Either conclusion I or II follows
 - 4. Only conclusion II follows

Question ID : 6044814844
Status : Answered
Chosen Option : 3

Q.26 In the numbers from 100 to 1000, how many times does the digit 2 come at ten's place?

- Ans
- 1. 100
 - 2. 92
 - 3. 90
 - 4. 99

Question ID : 6044814840
Status : Answered
Chosen Option : 1

Q.27 If 'P' means 'addition', 'Q' means 'subtraction', 'R' means 'multiplication' and 'S' means 'division' then:

$$30 \text{ S } 2 \text{ P } 3 \text{ R } 6 \text{ Q } 5 = ?$$

- Ans
- 1. 35
 - 2. 25
 - 3. 28
 - 4. 30

Question ID : 6044814861
Status : Answered
Chosen Option : 3

Q.28 Read the following information carefully and answer the question that follows.

- i. $M \# N$ means 'M is the mother of N'
- ii. $M \$ N$ means 'M is the sister of N'
- iii. $M * N$ means 'M is the father of N'
- iv. $M \% N$ means 'M is the brother of N'

Which of the following represents 'A is the son of C'?

- Ans
1. $C \% D \$ G * A$
 2. $C * A \% B$
 3. $A \# D \$ G * C$
 4. $A \% B \$ D * C$

Question ID : 6044814846

Status : Answered

Chosen Option : 2

Q.29 Complete the series by filling in the blank.

1, 3, 7, 15, 31, 63, _____, 255, 511

- Ans
1. 128
 2. 210
 3. 196
 4. 127

Question ID : 6044814845

Status : Answered

Chosen Option : 4

Q.30 Read the given statement and select which of the given conclusions logically follows from the statement.

Statement:

The General Manager humiliated Ragavi in the presence of her colleagues.

Conclusions:

- I. Ragavi was not popular with her colleagues.
- II. The General Manager did not like Ragavi.

- Ans
1. Only conclusions II follows
 2. Neither conclusion I nor II follows
 3. Only conclusions I follows
 4. Either conclusion I or II follows

Question ID : 6044814865

Status : Answered

Chosen Option : 1

Section : Discipline

Q.1 The focal length of a convex lens is 10 cm. Find the distance of an object from the lens for which the size of the image is double the size of the object.

- Ans
1. 20 cm
 2. 25 cm
 3. 15 cm
 4. 30 cm

Question ID : 6044814875

Status : Answered

Chosen Option : 3

Q.2 A solid sphere of radius R has a concentric cavity of radius r . When it is dropped in water, half of its volume is submerged in water. Find the relative density of the material of the sphere.

- Ans
1. $\frac{2R^3}{R^3 - r^3}$
 2. $\frac{R^3}{2(R^3 - r^3)}$
 3. $\frac{R}{R - r}$
 4. $\frac{R^3}{R^3 - r^3}$

Question ID : 6044814888

Status : Not Answered

Chosen Option :-



Q.3 A mechanical gun fires 10 bullets per second each of mass 100 g and each at a speed of 20 m/s. Find the force required to hold the gun.

- Ans
- 1. 10 N
 - 2. 20 N
 - 3. 400 N
 - 4. 200 N

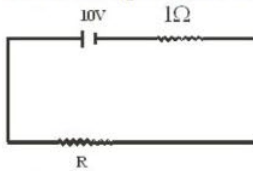
Question ID : 6044814886
Status : Answered
Chosen Option : 4

Q.4 A convex lens of focal length 20 cm and a concave lens of focal length 5 cm are separated by a certain distance. A parallel beam of light is incident on the convex lens and the light emerging out from the concave lens is also a parallel beam of light. Find the distance between the two lenses.

- Ans
- 1. 20 cm
 - 2. 25 cm
 - 3. 5 cm
 - 4. 15 cm

Question ID : 6044814876
Status : Not Answered
Chosen Option : --

Q.5 In the following circuit, for what value of R will the power dissipated in it be maximum?



- Ans
- 1. 2 Ω
 - 2. 0.5 Ω
 - 3. 3 Ω
 - 4. 1 Ω

Question ID : 6044814869
Status : Answered
Chosen Option : 3

Q.6 A ball of mass 100 g moving with a speed of 10 m/s collides with a wall and stops. The interaction time is 0.01 s. Find the force exerted by the wall on the ball.

- Ans
- 1. 100 N
 - 2. 0.01 N
 - 3. 10 N
 - 4. 0.1 N

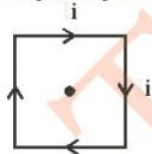
Question ID : 6044814885
Status : Answered
Chosen Option : 1

Q.7 The focal length of a concave mirror is 10 cm. A point object is placed at (20 cm, 1 cm). Find the coordinates of the image.

- Ans
- 1. (20 cm, -1 cm)
 - 2. (20 cm, 1 cm)
 - 3. (10 cm, 1 cm)
 - 4. (20 cm, 2 cm)

Question ID : 6044814884
Status : Answered
Chosen Option : 1

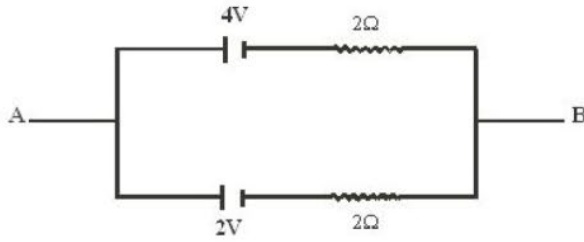
Q.8 A square loop of side a is carrying current i as shown. Find the field at the centre of the loop.



- Ans
- 1. $2\sqrt{2} \frac{\mu_0 i}{\pi a}$
 - 2. $4 \left(\frac{\mu_0 i}{4\pi a} \right)$
 - 3. Zero
 - 4. $\frac{\mu_0 i}{2\pi a}$

Question ID : 6044814873
Status : Not Answered
Chosen Option : --

Q.9 Find the effective emf between A and B in the following circuit.



Question ID : 6044814870
 Status : Not Answered
 Chosen Option :--

- Ans
- 1. 3 V
 - 2. 2 V
 - 3. 4 V
 - 4. 1.5 V

Q.10 The angle of a prism is 4° . Its refractive index is 1.5. The deviation produced when a light ray passes through it is _____.

- Ans
- 1. 4°
 - 2. 2°
 - 3. 8°
 - 4. 1°

Question ID : 6044814883
 Status : Not Answered
 Chosen Option :--

Q.11 The mass of the earth is M and its radius is R . An object of mass m is placed on the surface of the earth. Find its gravitational potential energy.

- Ans
- 1. Zero
 - 2. $\frac{-GMm}{2R}$
 - 3. $\frac{-GMm}{R}$
 - 4. $\frac{-GMm}{R^2}$

Question ID : 6044814880
 Status : Answered
 Chosen Option : 4

Q.12 A circular loop of radius r and resistance R is placed in a magnetic field of induction B such that its plane is perpendicular to the field. Suddenly, the loop is pulled out of the magnetic field. The charge that flows through the loop will be _____.

- Ans
- 1. $\frac{Br^2}{R}$
 - 2. $\frac{Br}{R}$
 - 3. $\frac{B\pi R}{r}$
 - 4. $\frac{B\pi r^2}{R}$

Question ID : 6044814872
 Status : Not Answered
 Chosen Option :--

Q.13 The velocity of a particle moving along X-axis changes with the position as $v = (2X^2 + X)m/s$. Find its acceleration at $X = 1$

- Ans
- 1. 15 m/s^2
 - 2. Zero
 - 3. 5 m/s^2
 - 4. 2 m/s^2

Question ID : 6044814877

Status : Answered

Chosen Option : 3

Q.14 A particle of charge e is revolving in a circular orbit of radius r at a constant speed v . The magnetic field at the centre of the will be _____.

- Ans
- 1. $\frac{\mu_0 ev}{4\pi r}$
 - 2. $\frac{\mu_0 ev}{4\pi r^2}$
 - 3. $\frac{\mu_0 ev}{2\pi r^2}$
 - 4. $\frac{\mu_0 ev}{2\pi r}$

Question ID : 6044814874

Status : Answered

Chosen Option : 4

Q.15 A uniform chain of mass 2 kg and length 2 m is placed on a smooth horizontal table such that $\frac{1}{4}$ th of its length is hanging from the edge of the table. Find the work done in pulling the hanging part on to the table ($g = 10 \text{ m/s}^2$).

- Ans
- 1. 10 J
 - 2. 5 J
 - 3. 1.25 J
 - 4. 2.5 J

Question ID : 6044814878

Status : Answered

Chosen Option : 1

Q.16 Two particles, each of mass m , are revolving in a circular orbit of radius r under their mutual gravitational attraction. The particles are situated at diametrically opposite ends. Find the speed of each particle.

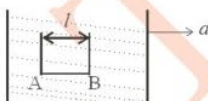
- Ans
- 1. $\sqrt{\frac{Gm}{2r}}$
 - 2. $\sqrt{\frac{Gm}{4r}}$
 - 3. $\sqrt{\frac{Gm}{r}}$
 - 4. $\frac{Gm}{r}$

Question ID : 6044814881

Status : Answered

Chosen Option : 3

Q.17 A liquid of density ρ is taken in a beaker and the beaker is moved horizontally with an acceleration a as shown. Find the pressure difference between the two point A and B.



- Ans
- 1. Zero
 - 2. ρql
 - 3. ρla
 - 4. $\frac{\rho^2 l}{a}$

Question ID : 6044814890

Status : Not Answered

Chosen Option : --

Q.18 An object is floating on the surface of water with $\frac{3}{4}$ th of its volume submerged in water. Find the density of the object. (Density of water is $1,000 \text{ kg/m}^3$)

- Ans
- 1. 250 kg/m^3
 - 2. 1000 kg/m^3
 - 3. 750 kg/m^3
 - 4. 500 kg/m^3

Question ID : 6044814887
Status : Answered
Chosen Option : 3

Q.19 The power of a bulb is 100 W when connected to a 100 V line. If the same bulb is connected to 50 V line find the power output.

- Ans
- 1. 200 W
 - 2. 25 W
 - 3. 10 W
 - 4. 50 W

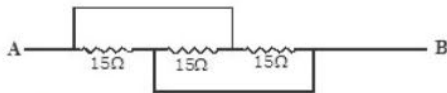
Question ID : 6044814868
Status : Answered
Chosen Option : 4

Q.20 A car is moving towards a big fort wall at a speed of u . When the car is at a distance d from the fort wall, the driver of the car blows the horn. If the speed of sound in air is v , find the time taken by the driver to hear an echo of the car horn.

- Ans
- 1. $\frac{d}{v+u}$
 - 2. $\frac{d}{v-u}$
 - 3. $\frac{2d}{v-u}$
 - 4. $\frac{2d}{v+u}$

Question ID : 6044814889
Status : Answered
Chosen Option : 4

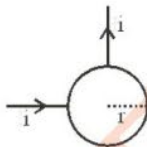
Q.21 Find the effective resistance between A and B in the given circuit.



- Ans
- 1. 5Ω
 - 2. 45Ω
 - 3. 15Ω
 - 4. 30Ω

Question ID : 6044814867
Status : Answered
Chosen Option : 1

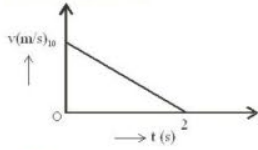
Q.22 Find the magnetic field induction at the centre of the circular loop of uniform wire as shown in the figure.



- Ans
- 1. $\frac{3\mu_0 i}{4 \cdot 2r}$
 - 2. Zero
 - 3. $\frac{\mu_0 i}{2\pi r}$
 - 4. $\frac{\mu_0 i}{2r}$

Question ID : 6044814871
Status : Answered
Chosen Option : 3

Q.23 The velocity-time graph of a particle moving along a straight line is as shown. Find the displacement of the particle in the time interval of 2s.



- Ans
- 1. 5 m
 - 2. 10 m
 - 3. 2.5 m
 - 4. 20 m

Question ID : 6044814891
Status : Answered
Chosen Option : 4

Q.24 At what height above the surface of the earth does the weight of an object decrease by 1%? (Take radius of the earth = 6,400 km)

- Ans
- 1. 32 km
 - 2. 16 km
 - 3. 64 km
 - 4. 4 km

Question ID : 6044814879
Status : Not Answered
Chosen Option :-

Q.25 Two particles of masses m_1 and m_2 are released from rest with infinite separation between them. They move towards each other due to their mutual gravitational attraction. Their relative velocity, when the distance between them is x , will be given by:

- Ans
- 1. $\frac{Gm_1m_2}{x}$
 - 2. $\frac{2G(m_1 + m_2)}{x}$
 - 3. $\sqrt{\frac{2G(m_1 + m_2)}{x}}$
 - 4. Zero

Question ID : 6044814882
Status : Answered
Chosen Option : 3

Q.26 Which biologist has first proposed Monera as a phylum?

- Ans
- 1. Morgan
 - 2. Haeckel
 - 3. Linnaeus
 - 4. Darwin

Question ID : 6044814912
Status : Answered
Chosen Option : 2

Q.27 World Water Day is celebrated on?

- Ans
- 1. 5 April
 - 2. 15 January
 - 3. 25 October
 - 4. 22 March

Question ID : 6044814904
Status : Answered
Chosen Option : 4

Q.28 AM fungi in plants are present in the:

- Ans
- 1. Root Cortex
 - 2. Leaf Cortex
 - 3. Stem Cortex
 - 4. Root Medulla

Question ID : 6044814911
Status : Not Answered
Chosen Option :-

Q.29 Which of the following is true about DDT?

- Ans
- 1. It is a phytohormone.
 - 2. It is a non-biodegradable pollutant.
 - 3. It is a biodegradable pollutant.
 - 4. It is an antibiotic.

Question ID : 6044814897

Status : Answered

Chosen Option : 2

Q.30 Which of the following organisms exhibits holozoic nutrition?

- Ans
- 1. Algae
 - 2. Bacteria
 - 3. Amoeba
 - 4. Fungus

Question ID : 6044814900

Status : Answered

Chosen Option : 2

Q.31 Which of the following is NOT an infectious disease?

- Ans
- 1. Hepatitis
 - 2. Diabetes
 - 3. Cholera
 - 4. Dengue

Question ID : 6044814905

Status : Answered

Chosen Option : 2

Q.32 Which of the following cranial nerves is present in the human eye?

- Ans
- 1. I
 - 2. X
 - 3. VII
 - 4. II

Question ID : 6044814908

Status : Not Answered

Chosen Option : --

Q.33 Which of the following glands is devoid of ducts?

- Ans
- 1. Liver
 - 2. Pancreas
 - 3. Hypophysis cerebri
 - 4. Parotid gland

Question ID : 6044814916

Status : Answered

Chosen Option : 3

Q.34 Alcohol may be produced during which of the following life processes?

- Ans
- 1. Anaerobic respiration
 - 2. Aerobic respiration
 - 3. Photosynthesis
 - 4. Transpiration

Question ID : 6044814893

Status : Answered

Chosen Option : 1

Q.35 Glaucoma is a disorder of which of the following human organ?

- Ans
- 1. Nose
 - 2. Brain
 - 3. Ear
 - 4. Eye

Question ID : 6044814909

Status : Not Answered

Chosen Option : --

Q.36 Which of the following is the major role of light in Photosynthesis?

- Ans
- 1. Photolysis of water
 - 2. Production of Chlorophyll
 - 3. Production of starch
 - 4. Assimilation of CO₂

Question ID : 6044814892

Status : Answered

Chosen Option : 2

Q.37 The enzymes that help in Nitrogen fixation are:

- Ans
- 1. Oxidases
 - 2. Metalloenzymes
 - 3. Apoenzymes
 - 4. Ligases

Question ID : 6044814898

Status : Answered

Chosen Option :1

Q.38 During a crop improvement programme, virus-free clones can be obtained through:

- Ans
- 1. Protoplast culture
 - 2. Anther culture
 - 3. Meristem culture
 - 4. Embryo culture

Question ID : 6044814899

Status : Answered

Chosen Option :2

Q.39 An infection with H1N1 virus leads to which disease?

- Ans
- 1. Bird Flu
 - 2. Chikungunya
 - 3. Swine Flu
 - 4. Dengue

Question ID : 6044814906

Status : Answered

Chosen Option :3

Q.40 The release of Phosphates and Nitrates into water bodies leads to which of the following?

- Ans
- 1. Nutrient enrichment
 - 2. Increased growth of decomposers
 - 3. Decreased water pollution
 - 4. Reduced algal growth

Question ID : 6044814896

Status : Answered

Chosen Option :1

Q.41 The term Silver Revolution is associated with the production of which of the following?

- Ans
- 1. Fish
 - 2. Oilseeds
 - 3. Rice
 - 4. Eggs

Question ID : 6044814902

Status : Answered

Chosen Option :4

Q.42 The enzyme catalase is present in which cell organelle?

- Ans
- 1. Ribosomes
 - 2. Peroxisomes
 - 3. Nucleus
 - 4. Lysosomes

Question ID : 6044814913

Status : Answered

Chosen Option :4

Q.43 Which of the following is a FALSE statement?

- Ans
- 1. Insulin is a protein hormone.
 - 2. DNA is found exclusively in the nucleus.
 - 3. All enzymes are proteins.
 - 4. Some hormones are proteins.

Question ID : 6044814914

Status : Answered

Chosen Option :1

Q.44 Which of the following is a fungal disease?

- Ans
- 1. Typhoid
 - 2. Hepatitis
 - 3. Candidiasis
 - 4. Malaria

Question ID : 6044814907
Status : Answered
Chosen Option : 3

Q.45 Which of the following is the key point of Lamarck's view on organic evolution?

- Ans
- 1. Every offspring inherits acquired characters of the parental generation
 - 2. Every offspring shows variations
 - 3. Every offspring repeats phylogeny in its ontogeny
 - 4. Every offspring shows a struggle for existence

Question ID : 6044814894
Status : Answered
Chosen Option : 4

Q.46 Which of the following is NOT a characteristic feature of the Genetic Code?

- Ans
- 1. Universal
 - 2. Ambiguous
 - 3. Redundant
 - 4. Unambiguous

Question ID : 6044814895
Status : Answered
Chosen Option : 4

Q.47 Intercalated discs are a characteristic of which muscles?

- Ans
- 1. Sphincter muscles
 - 2. Smooth muscles
 - 3. Cardiac muscles
 - 4. Skeletal muscles

Question ID : 6044814910
Status : Not Answered
Chosen Option : --

Q.48 Which of the following is NOT a Steroid hormone?

- Ans
- 1. Testosterone
 - 2. Estrogen
 - 3. Glucagon
 - 4. Thyroxine

Question ID : 6044814915
Status : Answered
Chosen Option : 3

Q.49 The application of Biotechnology to improve the nutritional value of food crops is known as:

- Ans
- 1. Hybridisation
 - 2. Biofortification
 - 3. Biomagnification
 - 4. Green Revolution

Question ID : 6044814901
Status : Answered
Chosen Option : 1

Q.50 Allogamy is:

- Ans
- 1. Inbreeding
 - 2. Self-fertilisation
 - 3. In-crossing
 - 4. Out-crossing

Question ID : 6044814903
Status : Not Answered
Chosen Option : --

Q.51 The correct order of the metallic radii of V, Nb, Ta is _____.

- Ans
- 1. $V < Nb < Ta$
 - 2. $V < Nb = Ta$
 - 3. $V > Nb > Ta$
 - 4. $V > Nb = Ta$

Question ID : 6044814920
Status : Answered
Chosen Option : 1

Q.52 Glass is _____.

- Ans
- 1. a homogeneous crystalline solidified supercooled liquid
 - 2. a homogeneous solid
 - 3. a heterogeneous solid
 - 4. a homogenous amorphous solidified supercooled liquid

Question ID : 6044814938
Status : Answered
Chosen Option : 4

Q.53 If an acid solution of pH 5 is diluted thousand times, the pH of the solution becomes _____.

- Ans
- 1. 2
 - 2. 8
 - 3. 6.96
 - 4. 0

Question ID : 6044814921
Status : Answered
Chosen Option : 2

Q.54 Titanium can be purified by _____.

- Ans
- 1. distillation
 - 2. Mond's process
 - 3. the van Arkel method
 - 4. cupellation

Question ID : 6044814923
Status : Not Answered
Chosen Option : --

Q.55 Iron can be protected by galvanisation by zinc, because:

- Ans
- 1. $E_{\text{reduction of Fe}} > E_{\text{reduction of Zn}}$
 - 2. Zn is cheaper than iron
 - 3. Zn forms alloy easily with iron
 - 4. $E_{\text{oxidation of Fe}} > E_{\text{oxidation of Zn}}$

Question ID : 6044814936
Status : Not Answered
Chosen Option : --

Q.56 Select the option that is an oxide ore.

- Ans
- 1. Siderite
 - 2. Argentite
 - 3. Cassiterite
 - 4. Horn silver

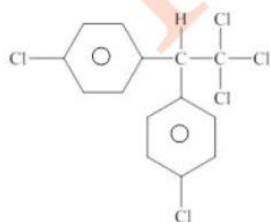
Question ID : 6044814924
Status : Answered
Chosen Option : 2

Q.57 The coefficients of $\text{Cr}_2\text{O}_7^{2-}$, Fe^{+2} and H^+ in the reaction between FeSO_4 and acidified $\text{K}_2\text{Cr}_2\text{O}_7$ is:

- Ans
- 1. 1, 6, 7
 - 2. 1, 7, 6
 - 3. 6, 1, 14
 - 4. 1, 6, 14

Question ID : 6044814922
Status : Not Answered
Chosen Option : --

Q.58 The IUPAC name of the following compound is _____.



- Ans
- 1. 2, 2 bis (3-chlorophenyl) 1, 1, 1-trichloroethane
 - 2. 1, 1 bis (4-chlorophenyl) 1, 1, 1-trichloroethane
 - 3. 2, 2 bis (4-chlorophenyl) 1, 1, 1-trichloroethane
 - 4. 2, 2 dichloro diphenyl 1, 1, 1-trichloroethane

Question ID : 6044814931
Status : Answered
Chosen Option : 4

Q.59 If the $IE_1, IE_2, IE_3, IE_4, IE_5$ values of an element 'M' are 578, 1817, 2745, 11578, 14831 kJ/mol respectively, the formula of its sulphate will be _____.

- Ans 1. $M_2(SO_4)_3$
 2. $M_3(SO_4)_2$
 3. $M(SO_4)_2$
 4. MSO_4

Question ID : 6044814919

Status : Not Answered

Chosen Option :--

Q.60 Consumption of denatured spirit causes blindness, kidneys failure, even death. It is due to the formation of _____.

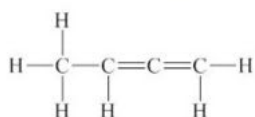
- Ans 1. phosgene
 2. methanal
 3. methanoic acid
 4. azeotrope

Question ID : 6044814928

Status : Not Answered

Chosen Option :--

Q.61 Which of the following carbons in the given compound possess maximum electronegativity?



- Ans 1. C_3
 2. C_1
 3. C_2
 4. C_4

Question ID : 6044814932

Status : Not Answered

Chosen Option :--

Q.62 If the wavelength of the H_α line in the Balmer series is 6,500 Å, then the wavelength of the H_β line in the Balmer series will be _____.

- Ans 1. 4,300 Å
 2. 4,600 Å
 3. 5,300 Å
 4. 5,600 Å

Question ID : 6044814917

Status : Not Answered

Chosen Option :--

Q.63 _____ is the most widely produced non-conventional type of energy in India.

- Ans 1. Biomass energy
 2. Wind
 3. Hydropower
 4. Solar

Question ID : 6044814941

Status : Answered

Chosen Option :3

Q.64 The rusting of iron is more in the presence of _____.

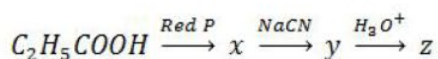
- Ans 1. N_2
 2. H^{+1}
 3. OH^{-1}
 4. O_2

Question ID : 6044814937

Status : Answered

Chosen Option :4

Q.65 Select the most appropriate option.



where z is:

Ans

1. $\begin{array}{c} COOH \\ | \\ CH_2 \\ | \\ COOH \end{array}$
2. $\begin{array}{c} CH_3CHCOOH \\ | \\ COOH \end{array}$
3. $\begin{array}{c} COOH \\ | \\ (CH_2)_2 \\ | \\ COOH \end{array}$
4. $\begin{array}{c} COOH \\ | \\ CH_2 \\ | \\ CHCN \\ | \\ COOH \end{array}$

Question ID : 6044814925

Status : Not Answered

Chosen Option :--

Q.66 The percentage ratio of dicalcium silicate and tricalcium silicate in Portland cement is:

- Ans
1. 51 : 11
 2. 26 : 51
 3. 51 : 26
 4. 26 : 11

Question ID : 6044814935

Status : Not Answered

Chosen Option :--

Q.67 Electrophilic substitution takes place in:

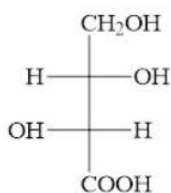
- Ans
1. $C_6H_6 + Cl_2 \xrightarrow{Anhyd. AlCl_3} C_6H_5Cl + HCl$
 2. $CH_3Br + aq. KOH \xrightarrow{Anhyd. AlCl_3} CH_3OH + KBr$
 3. $CH_4 + Cl_2 \xrightarrow{sunlight} CH_3Cl + HCl$
 4. $CH_3CHO + HCN \rightarrow \begin{array}{c} OH \\ | \\ H-C \\ | \\ H_3C \end{array} - CN$

Question ID : 6044814934

Status : Answered

Chosen Option : 3

Q.68 The configuration at C₂ and C₃ in the following compound is _____.



- Ans
- 1. S, R
 - 2. R, R
 - 3. R, S
 - 4. S, S

Question ID : 6044814930
 Status : Not Answered
 Chosen Option :-

Q.69 _____ is a possible product that can be formed during the chain-terminating step in the chlorination of methane in the presence of sunlight.

- Ans
- 1. C₂H₆
 - 2. CHCl₃
 - 3. CH₂Cl₂
 - 4. CCl₄

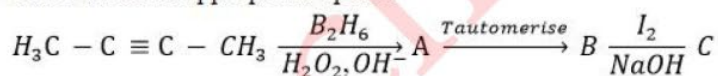
Question ID : 6044814933
 Status : Answered
 Chosen Option : 4

Q.70 Methane can be prepared by:

- Ans
- 1. Wurtz reaction
 - 2. Hydrolysis of Be₂C
 - 3. Frank land reaction
 - 4. Kolbe's electrolysis

Question ID : 6044814929
 Status : Answered
 Chosen Option : 1

Q.71 Select the most appropriate option.



The colour of the product 'C' will be _____.

- Ans
- 1. Pink
 - 2. Blood red
 - 3. Yellow
 - 4. Prussian blue

Question ID : 6044814927
 Status : Not Answered
 Chosen Option :-

Q.72 When the vapours of a primary, secondary and tertiary alcohol are passed over Cu at 300 °C, _____, _____ and _____ are formed.

- Ans
- 1. Aldehyde, ketone, no reaction
 - 2. Aldehyde, alkene, ketone
 - 3. Ketone, aldehyde, no reaction
 - 4. Aldehyde, ketone, alkene

Question ID : 6044814926
 Status : Not Answered
 Chosen Option :-

Q.73 At critical micelle concentration, non-polar tail part of the micelle is formed by sodium stearate. Identify the non-polar tail part:

- Ans 1. $CH_3(CH_2)_{11}$
2. $CH_3(CH_2)_{11}SO_3^-$
3. $CH_3(CH_2)_{16}$
4. $CH_3(CH_2)_{16}COO^-$

Question ID : 6044814939

Status : Not Answered

Chosen Option :-

Q.74 The Ganga action plan was launched on:

- Ans 1. 2 October 2015 by Narendra Modi
2. 2 October 1983 by Indira Gandhi
3. 15 August 2003 by Atal Bihari Vajpayee
4. 14 January 1986 by Rajeev Gandhi

Question ID : 6044814940

Status : Answered

Chosen Option : 4

Q.75 Select the most appropriate statement regarding the reaction mechanism of esterification.

- Ans 1.
H comes from $-COOH$ group and $-OH$ comes from alcohol.
2.
The formation of H_2O depends upon the concentration of acid.
3.
H comes from alcohol and $-OH$ comes from $-COOH$ group.
4.
The formation of H_2O depends upon the concentration of acid and alcohol.

Question ID : 6044814918

Status : Answered

Chosen Option : 3

Q.76 Which of these factors does NOT affect curriculum organisation?

- Ans 1. The tools and equipment
2. Advancements in science
3. Examinations and evaluation
4. The corporate culture of the society

Question ID : 6044814962

Status : Answered

Chosen Option : 4

Q.77 Which of these is NOT a correct procedure for the purchase of science apparatus and equipment?

- Ans 1.
Ensuring that the final receipt list is same as agreed upon.
2. Not insuring the costly equipment against any damage.
3. Preparation of comparative statements
4. Preparation of an indent

Question ID : 6044814965

Status : Answered

Chosen Option : 2

Q.78 Which of these is NOT a Herbartian step?

- Ans 1. Principles
2. Presentation
3. Generalisation
4. Preparation

Question ID : 6044814951

Status : Answered

Chosen Option : 1

Q.79 Which of these principles is most important in the selection of science subject matter?

Ans 1.

The content should bring a behavioural change in the learners through concepts, facts and principles learnt.

2.

The content should depend purely on textbooks for the content.

3.

The content focusses on only knowledge and skills, giving least importance to values.

4. The content should not be selected and organised.

Question ID : 6044814961

Status : Answered

Chosen Option : 1

Q.80 Which of these are characteristics of improvised materials?

Ans 1. Production of the material is time-consuming.

2.

Raw materials are bought from outside at an expensive rate for high quality.

3.

Raw materials are either picked free of cost from local environment or picked out at a low cost.

4.

Pupils, teachers and the community do not prepare the materials required.

Question ID : 6044814966

Status : Answered

Chosen Option : 3

Q.81 Which of these is a student-centric method of teaching science?

Ans 1. Heuristic method

2. Lecture method

3. Lecture and demonstrative method

4. Demonstrative method

Question ID : 6044814952

Status : Answered

Chosen Option : 4

Q.82 Which of these is NOT an effective teaching strategy to involve the learners actively in a given classroom?

Ans 1. Role-plays

2. Group discussions

3. Lecture method

4. Journal writing

Question ID : 6044814959

Status : Answered

Chosen Option : 3

Q.83 Which of these is NOT an advantage of the interdisciplinary approach?

Ans 1. It does not make learning a natural process.

2.

It establishes a close relationship between experience and knowledge.

3. It prevents narrow specialisation.

4.

It encourages all-round development and growth of the student.

Question ID : 6044814943

Status : Answered

Chosen Option : 1

Q.84 In this particular domain, the knowledge acquired begins to produce changes in interest, attitudes and feelings of an individual which leads to a behavioural change. Identify this domain.

Ans 1. Knowing domain

2. Affective domain

3. Psychomotor domain

4. Cognitive domain

Question ID : 6044814946

Status : Answered

Chosen Option : 3

Q.85 Which of these is a category of the psychomotor domain?

- Ans
- 1. Articulation
 - 2. Characterising
 - 3. Evaluation
 - 4. Valuing

Question ID : 6044814947

Status : Answered

Chosen Option : 2

Q.86 Which of these is NOT a defect of the present science curriculum?

- Ans
- 1. It enables holistic learning through various activities.
 - 2. It is not in accordance with latest atonements in science.
 - 3. It is examination dependent
 - 4. Voluminous content not rich and significant.

Question ID : 6044814960

Status : Answered

Chosen Option : 1

Q.87 This is a method where a problem is assigned to a class and each student is responsible for solving the problem. The teacher is only a facilitator. Students learn how to tackle the problem and formulate desired solutions and conclusions. Name the method.

- Ans
- 1. Project method
 - 2. Heuristic method
 - 3. Assignment method
 - 4. Discussion method

Question ID : 6044814957

Status : Answered

Chosen Option : 1

Q.88 Which of these steps is NOT a step in unit planning?

- Ans
- 1. Preparation
 - 2. Ponder
 - 3. Presentation
 - 4. Evaluation

Question ID : 6044814949

Status : Answered

Chosen Option : 2

Q.89 Which of these is NOT an objective of teaching science for the higher secondary stage of education?

- Ans
- 1. Development of psychological aptitudes and interests.
 - 2. To prepare and equip for higher education.
 - 3. To understand that all the branches of science are disassociated.
 - 4. To build economic efficiency and the capacity to earn a livelihood.

Question ID : 6044814948

Status : Answered

Chosen Option : 4

Q.90 Which of these is NOT a component of the unit plan format?

- Ans
- 1. Time required
 - 2. Teaching aids and materials
 - 3. Author of the unit
 - 4. Scope of content

Question ID : 6044814950

Status : Answered

Chosen Option : 2

Q.91 Which of these options yields fruitful laboratory work?

Ans 1. Record of the student not authenticated by the teacher.

2.

The apparatus is arranged in a way such that it is difficult for distribution to the students.

3.

The chosen experiments meet up to the level of the pupil.

4.

Minimal coordination between theoretical and practical work.

Question ID : 6044814955

Status : Answered

Chosen Option : 3

Q.92 Which of these do NOT play an important role in science teacher training?

Ans 1. Common teaching for various needs of students.

2. Evaluation techniques.

3. Science club activities and science fairs.

4. Maintenance of science libraries.

Question ID : 6044814963

Status : Answered

Chosen Option : 4

Q.93 Which of these following steps does NOT help science teachers to be in touch with the latest advancements in science and science education?

Ans 1.

Being an active participant in various science activities like science fairs etc.

2.

Pursuing Higher qualifications like MSc, MPhil and PhD

3.

Developing own teaching style based on psychological principles.

4. Following his or her method of teaching only.

Question ID : 6044814964

Status : Answered

Chosen Option : 4

Q.94 When the class is divided into groups of pupils doing the same experiment, what is it called?

Ans 1. Group-rotation system

2. Even-front system

3. Odd-front system

4. Single-rotation system

Question ID : 6044814956

Status : Answered

Chosen Option : 4

Q.95 Which of these is a demerit of the lecture method?

Ans 1. It goes against 'learning-by-doing'.

2. It cannot be applied on a group of students.

3. It is not economical.

4. It cannot be applied in every environment.

Question ID : 6044814953

Status : Answered

Chosen Option : 1

Q.96 Which of these does NOT belong to the scientific method /process?

Ans 1. Concepts

2. Experimentation

3. Reasoning

4. Observation

Question ID : 6044814942

Status : Answered

Chosen Option : 1

Q.97 Which of these is a drawback of the project method?

Ans 1.

This method does not provide an opportunity for mutual exchange of ideas.

2. It does not introduce democracy in education.

3.

The teacher is assumed as a master of all the subjects, which is practically not possible.

4. It does not help in problem-solving.

Question ID : 6044814958

Status : Answered

Chosen Option : 3

Q.98 Which of these is a limitation of the demonstrative method?

Ans 1. It enhances reasoning through observation.

2.

It reduces false imagination and provides concrete ideas about the concepts.

3. 'Learning-by-doing' experience is less.

4. It helps in critical thinking.

Question ID : 6044814954

Status : Answered

Chosen Option : 3

Q.99 Which of these is NOT a criterion of good educational objectives?

Ans 1. Deviance from aims

2. Unambiguous

3. Feasible

4. Specific

Question ID : 6044814945

Status : Answered

Chosen Option : 1

Q.100 Aims are divided into definite, functional and workable units known as _____.

Ans 1. abilities

2. capabilities

3. skills

4. objectives

Question ID : 6044814944

Status : Answered

Chosen Option : 4