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**Previous Year Paper
(Science)
14 Jun, 2018 Shift 2**





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Participant ID:	
Participant Name:	
Test Center Name:	
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 option to complete the analogy:

Question ID : 6044814772

Status : Answered

Chosen Option : 1

Dermatologist : Skin :: Orthopaedician : _____

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

Q.2 Fill in the blank with the correct phrase.

Question ID : 6044814770

Status : Not Attempted and Marked For Review

Chosen Option : --

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

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

Q.3 Fill in the blank using the correct collective noun.

Question ID : 6044814769

Status : Not Attempted and Marked For Review

Chosen Option : --

An _____ of islands.

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

Q.4 Fill in the blank using the correct collective noun.

Question ID : 6044814780

Status : Marked For Review

Chosen Option : 2

A/an _____ is a collection of maps.

- Ans
- 1. maker
 - 2. atlas

3. arrangement

4. globe

Q.5 Choose the correct ANTONYM of the following word:

DORMANT

Ans 1. Latent

2. Dead

3. Active

4. Forgotten

Question ID : 6044814783

Status : Answered

Chosen Option : 3

Q.6 Choose the correct option and complete the following sentence in the present tense.

Anand and Sadanand _____ chess on Sundays.

Ans 1. will play

2. play

3. are playing

4. is playing

Question ID : 6044814768

Status : Answered

Chosen Option : 2

Q.7 Fill in the blank with the correct preposition.

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

Ans 1. without

2. around

3. within

4. outside

Question ID : 6044814779

Status : Answered

Chosen Option : 1

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

Vikramaditya was an _____ judge.

Ans 1. imminent

2. eminence

3. immense

4. eminent

Question ID : 6044814784

Status : Marked For Review

Chosen Option : 4

Q.9 Choose the meaning of the following idiom from the options given.

Run like clockwork.

Ans 1. Be on time

2. To run fast and accurately

3. Go smoothly

4. Be late

Question ID : 6044814785

Status : Answered

Chosen Option : 1

Q.10 Choose the grammatically correct sentence.

Question ID : 6044814774

Ans 1.

The human beings are destroying planet Earth

2. Human beings are destroying planet Earth

3.

The human beings are destroying the planet Earth

4.

Human beings are destroying the planet Earth

Status : **Answered**
Chosen Option : 3

Q.11 Choose the correct synonym of the following word:

FRAGRANCE

Ans 1. Wish

2. Desire

3. Smell

4. Anger

Question ID : 6044814782
Status : **Answered**
Chosen Option : 3

Q.12 Fill in the blank with the correct word.

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

Ans 1. optimist

2. precursor

3. pessimist

4. successor

Question ID : 6044814771
Status : **Answered**
Chosen Option : 3

Q.13 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. will

2. is

3. are

4. will be

Question ID : 6044814777
Status : **Answered**
Chosen Option : 1

Q.14 Choose the correct option to correctly answer the given question in the past tense.

What were you doing at 11 pm?

Ans 1. I cleaning my bookshelves.

2. I was cleaning my bookshelves.

3. I was cleaned my bookshelves.

4. I cleaned my bookshelves.

Question ID : 6044814767
Status : **Answered**
Chosen Option : 2

Q.15 Choose the correct adjective in the superlative degree to fill in the blank.

Which of these brands has _____ range of products?

Ans 1. the widest

2. the wide

Question ID : 6044814778
Status : **Answered**
Chosen Option : 1

- 3. the more wide
- 4. the wider

Q.16 Choose the analogous pair.

Elephant : Trumpet

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

Question ID : 6044814776

Status : Answered

Chosen Option : 3

Q.17 Choose the meaning of the highlighted part of the given sentence.
The Mishras **occasionally eat out**.

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

Question ID : 6044814775

Status : Answered

Chosen Option : 2

Q.18 Choose the correct option that means the following:

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

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

Question ID : 6044814773

Status : Marked For Review

Chosen Option : 3

Q.19 Choose the correctly phrased sentence from the options given below.

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

Question ID : 6044814786

Status : Answered

Chosen Option : 3

Q.20 Pick the correct conjunction to fill in the blank.

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

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

Question ID : 6044814781

Status : Marked For Review

Chosen Option : 1

Section : Language Proficiency Test Odia

Q.1 ନିଃ+ ପାପ= ନିଷାପ-ଏହା କି ପୂଜାର ସହି ?

Ans

Question ID : 6044814799

Status : Answered

✓ 1. ବିସର୍ଗ ସହି

✗ 2. ସର ସହି

✗ 3. ସହସ୍ପର

✗ 4. ବ୍ୟଞ୍ଜନ ସହି

Chosen Option : 1

Q.2 'ମନ୍ଦିର ରୂପରେ ସୁବର୍ଣ୍ଣ କଳସା'-ଏ ବାକ୍ୟରେ ଭୁଲ ଶବ୍ଦଟି କେଉଁଟି ?

Ans ✓ 1. ରୂପରେ

✗ 2. ସୁବର୍ଣ୍ଣ

✗ 3. ମନ୍ଦିର

✗ 4. କଳସା

Question ID : 6044814789

Status : Answered

Chosen Option : 1

Q.3 'ଶୁଣିବାର ଇଚ୍ଛା'- ଏକ ପଦରେ ପ୍ରକାଶ କଲେ କ'ଣ ହେବ ?

Ans ✓ 1. ଶୁଣ୍ଠା

✗ 2. ଶଶ୍ଠା

✗ 3. ଶୁଣ୍ଠା

✗ 4. ଶଶ୍ଠା

Question ID : 6044814800

Status : Answered

Chosen Option : 4

Q.4 'ଅହନ୍ ଓ ନିଶା'- ଏହାକୁ ଏକ ପଦରେ ପ୍ରକାଶ କଲେ କ'ଣ ହେବ ?

Ans ✗ 1. ଅହନନିଶା

✗ 2. ଅହନିଶା

✗ 3. ଅହନିଶ

✓ 4. ଅହନିଶ

Question ID : 6044814797

Status : Answered

Chosen Option : 4

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

Ans ✓ 1. ତୈଳିକ

✗ 2. ସୈନିକ

✗ 3. ଚୈରିକ

✗ 4. ମୌଳିକ

Question ID : 6044814794

Status : Answered

Chosen Option : 1

Q.6 କ୍ରିୟା ସହିତ କେଉଁ ପଦର ଅନ୍ୟ ନଥାଏ ?

Ans ✗ 1. ଅବ୍ୟୟ ପଦ

✗ 2. ସମସ୍ତ ପଦ

✗ 3. କରଣ କାରକ

✓ 4. ସମ୍ବନ୍ଧ ପଦ

Question ID : 6044814805

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.7 କେଉଁ ପ୍ରକ୍ରିୟାରେ ବାକ୍ୟ ସଂକ୍ଷେପଣ ହୁଏ ?

Ans

Question ID : 6044814791

Status : Not Attempted and Marked For Review

- 1. ରୂଢ଼ି
- 2. ସମାସ
- 3. କୃଦନ୍ତ
- 4. ଧ୍ୱନିଲୋପ

Chosen Option : --

Q.8 'ଗ୍ରାଷ୍ଟ କାଳ'- ରେଖାଙ୍କିତ ପଦଟି ଏଠାରେ କିପରି ବ୍ୟବହୃତ ?

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

Question ID : 6044814806

Status : Answered

Chosen Option : 2

Q.9 'ଯେ ଚେରୀ କରେ ସେ ଦଣ୍ଡପାଏ'- ଏହା କି ପ୍ରକାର ବାକ୍ୟ ?

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

Question ID : 6044814793

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.10 'ହରି ବଜାରକୁ ଯାଇ ଲୁଗା କିଣିଲା'- ଏ ବାକ୍ୟରେ ଅସମାପିକା କ୍ରିୟାଟି କେଉଁଟି ?

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

Question ID : 6044814802

Status : Answered

Chosen Option : 2

Q.11 'ଅମର' ଶବ୍ଦଟି କେଉଁ ଦୁଇଟି ଅର୍ଥ ପ୍ରକାଶ କରେ ?

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

Question ID : 6044814790

Status : Answered

Chosen Option : 2

Q.12 'ସେ ନିଶ୍ଚୟ ଆସିବ'-ଏହାକୁ ବାଚ୍ୟପରିବର୍ତ୍ତନ କଲେ କ'ଣ ହେବ ?

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

Question ID : 6044814792

Status : Answered

Chosen Option : 2

Q.13 'ମେଘାଗମରେ ମୟୂର ନୃତ୍ୟ କରନ୍ତି'- ଏ ବାକ୍ୟରେ ରେଖାଙ୍କିତ ପଦଟି କି ବିଭକ୍ତି ?

- Ans
- 1. ସମନ୍ଦେ ଷଷ୍ଠୀ

Question ID : 6044814804

Status : Answered

- 2. ବ୍ୟାଘ୍ର ଅର୍ଥରେ ପଞ୍ଚମୀ
- 3. ହେତୁ ଅର୍ଥେ ତୃତୀୟା
- 4. ଭାବେ ସପ୍ତମୀ

Chosen Option : 3

Q.14 'ସେ ମରିବ ସିନା ହରିବ ନାହିଁ'- ଏ ବାକ୍ୟରେ ନିଶ୍ଚୟାର୍ଥ ପ୍ରକାଶ କରୁଥିବା ଅବ୍ୟୟଟି କେଉଁଟି ?

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

Question ID : 6044814803

Status : Answered

Chosen Option : 3

Q.15 'ଦ୍ଵିଜ' ଶବ୍ଦ ର ପ୍ରତିଶବ୍ଦ କେଉଁଟି ?

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

Question ID : 6044814787

Status : Answered

Chosen Option : 4

Q.16 'ସୁନାମୁଦି' ଶବ୍ଦଟି କି ପ୍ରକାର ସମାସ ?

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

Question ID : 6044814798

Status : Answered

Chosen Option : 2

Q.17 ନିମ୍ନୋକ୍ତ କେଉଁଟି ଅକର୍ମକ ଧାତୁର କ୍ରିୟା ?

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

Question ID : 6044814801

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.18 'ପତନ' ଶବ୍ଦର ବିପରିତାର୍ଥ ବୋଧକ ଶବ୍ଦ କେଉଁଟି ?

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

Question ID : 6044814788

Status : Answered

Chosen Option : 2

Q.19 ନିମ୍ନୋକ୍ତ ପଦ ଭିତରୁ କେଉଁଟି କୃଦନ୍ତ ପଦ ?

- Ans
- 1. କରେଣୀ
 - 2. ଜୁଆଣୀ

Question ID : 6044814796

Status : Answered

Chosen Option : 4

3. କୁଶାଣ

4. ମିଶାଣ

Q.20 'ସମୁଦ୍ର ଜଳ ଭାରି ଲୁଣିଆ'-ଏ ବାକ୍ୟରେ କେଉଁଟି ତର୍କିତ ପଦ ?

Ans 1. ସମୁଦ୍ର

2. ଭାରି

3. ଲୁଣିଆ

4. ଜଳ

Question ID : 6044814795

Status : Answered

Chosen Option : 3

Section : Current Affairs

Q.1 What is India's first cloned Assamese buffalo born in March 2018 named?

Ans 1. Sach-Gaurav

2. Noorie

3. Garima

4. Dolly

Question ID : 6044814830

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.2 Which of the following is NOT a tributary of the river Krishna?

Ans 1. Koyna

2. Tungabhadra

3. Bhima

4. Cauvery

Question ID : 6044814826

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.3 Which of the following Indian states is well known for its Nirmal folk paintings?

Ans 1. Bihar

2. Andhra Pradesh

3. Odisha

4. Gujarat

Question ID : 6044814827

Status : Answered

Chosen Option : 3

Q.4 Who among the following has been the Chairman of the National Bank for Agriculture and Rural Development (NABARD) since 18 December 2013?

Ans 1. R Amalorpavanathan

2. Harsh Kumar Bhanwala

3. HR Dave

4. Prakash Bakshi

Question ID : 6044814823

Status : Not Attempted and Marked For Review

Chosen Option : --

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. Mauritius

2. South Africa

3. Madagascar

4. Singapore

Question ID : 6044814808

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.6 Resilient Cities 2018, an Annual Global Forum on Urban Resilience and Adaptation, will take place in _____.

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

Question ID : 6044814836

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.7 In April 2018, the Government of India launched which of the following apps for coal quality monitoring?

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

Question ID : 6044814824

Status : **Answered**

Chosen Option : 3

Q.8 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. Deribo Nitric Acid
 - 2. Diribo Nitrous Agent
 - 3. Deoxyribonucleic Acid
 - 4. Deoxy Nitric Acid

Question ID : 6044814825

Status : **Answered**

Chosen Option : 3

Q.9 Who won the Abel Prize in 2018 for his visionary programme connecting the representation theory to the number theory?

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

Question ID : 6044814834

Status : **Not Answered**

Chosen Option : --

Q.10 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. 22 February
 - 3. 5 April
 - 4. 12 May

Question ID : 6044814835

Status : **Answered**

Chosen Option : 4

Q.11 Which Indian state has launched the 'Ama Gaon, Ama Vikas' Programme to strengthen the Panchayati Raj system?

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

Question ID : 6044814815

Status : **Answered**

Chosen Option : 3

Q.12 In January 2018, which of the following countries introduced VAT (Value-Added Tax) for the first time in its economy?

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

Question ID : 6044814820

Status : **Not Answered**

Chosen Option : --

Q.13 On which of the following dates was Earth Hour 2018 observed by people around the globe?

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

Question ID : 6044814817
Status : **Not Answered**
Chosen Option : --

Q.14 Where is the headquarters of the Indian Science Congress Association located?

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

Question ID : 6044814829
Status : **Answered**
Chosen Option : 2

Q.15 Which of the following is NOT a district in the Indian state of Tripura?

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

Question ID : 6044814812
Status : **Not Answered**
Chosen Option : --

Q.16 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. International Financial Association for Developing Countries
 - 3. Institute of Financial Assistance for Developing Countries
 - 4. International Fund for Agricultural Development

Question ID : 6044814810
Status : **Answered**
Chosen Option : 1

Q.17 Which of the following was a partner state of the 46th edition of the Know India Programme held in 2018?

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

Question ID : 6044814831
Status : **Answered**
Chosen Option : 2

Q.18 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 : **Answered**
Chosen Option : 2

Q.19 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. Seven

Question ID : 6044814819
Status : **Answered**
Chosen Option : 3

- 2. Four
- 3. Five
- 4. Nine

Q.20 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. 133rd position
 - 3. 101st position
 - 4. 51st position

Question ID : **6044814809**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.21 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. Savdhaan
 - 2. Sukhad Yatra
 - 3. Sarthak Yatra
 - 4. Surakshit Yatra

Question ID : **6044814821**

Status : **Answered**

Chosen Option : 4

Q.22 Who among the following won gold at the 2018 Commonwealth Games in the 53 kg category of the women's weightlifting event?

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

Question ID : **6044814832**

Status : **Answered**

Chosen Option : 3

Q.23 Who is the author of the famous novel 'Swami and Friends'?

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

Question ID : **6044814833**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.24 As of May 2018, who is the Chief Executive Officer of the Unique Identification Authority of India (UIDAI)?

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

Question ID : **6044814807**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.25 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. India
 - 4. United States of America

Question ID : **6044814818**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.26 Where was the 105th session of the Indian Science Congress held?

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

Question ID : 6044814813

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.27 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 : **Answered**

Chosen Option : 4

Q.28 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. 24 March
 - 2. 1 December
 - 3. 12 February
 - 4. 25 April

Question ID : 6044814822

Status : **Answered**

Chosen Option : 1

Q.29 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 Attempted and Marked For Review**

Chosen Option : --

Q.30 How many districts does the Union Territory of Puducherry have?

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

Question ID : 6044814811

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Section : Reasoning

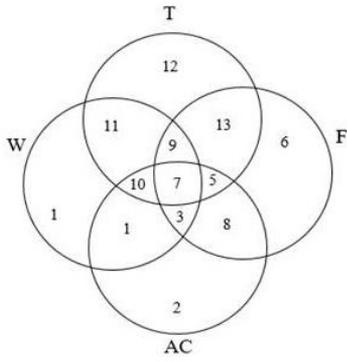
Q.1

Question ID : 6044814841

Status : **Answered**

Chosen Option : 4

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



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 4
 - 2. Region 3
 - 3. Region 8
 - 4. Region 2

Q.2 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

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

Question ID : 6044814852

Status : Answered

Chosen Option : 4

Q.3 In a certain code language, 346859 is written as 437768. How is 210678 written in that code?

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

Question ID : 6044814849

Status : Answered

Chosen Option : 4

Q.4 What was the day of the week on 19 July 1776?

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

Question ID : 6044814862

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.5 Prism is related to Glass in the same way as Oil is related to _____.

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

Question ID : 6044814848

Status : Answered

Chosen Option : 1

X 4. Wood

Q.6 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. Neither conclusion I nor II follows
 - 2. Only conclusions II follows
 - 3. Only conclusions I follows
 - 4. Either conclusion I or II follows

Question ID : 6044814865

Status : **Answered**

Chosen Option : 2

Q.7 Choose the analogous pair.

4 : 25 :: ____ : ____

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

Question ID : 6044814839

Status : **Answered**

Chosen Option : 2

Q.8 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 II follows
 - 2. Only conclusion I follows
 - 3. Neither conclusion I nor II follows
 - 4. Either conclusion I or II follows

Question ID : 6044814844

Status : **Answered**

Chosen Option : 4

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

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

Question ID : 6044814843

Status : **Answered**

Chosen Option : 3

Q.10 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. Definitely false
 - 3. Probably true

Question ID : 6044814847

Status : **Answered**

Chosen Option : 1

X 4. Irrelevant

Q.11 Find the missing term in the given series.

a, cd, ghi, _____, uvwxy

- Ans
- X** 1. uvxyz
 - X** 2. lmno
 - ✓** 3. mnop
 - X** 4. jklm

Question ID : 6044814858

Status : Answered

Chosen Option : 3

Q.12 If $X > Y$, $Y > T$ and $T > S$, then which of the following conclusions is definitely INCORRECT?

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

Question ID : 6044814854

Status : Answered

Chosen Option : 1

Q.13 Find the missing term in the given series.

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

- Ans
- ✓** 1. 215
 - X** 2. 216
 - X** 3. 224
 - X** 4. 225

Question ID : 6044814850

Status : Answered

Chosen Option : 1

Q.14 Complete the series by filling in the blank.

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

- Ans
- X** 1. 128
 - X** 2. 196
 - X** 3. 210
 - ✓** 4. 127

Question ID : 6044814845

Status : Answered

Chosen Option : 4

Q.15 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
- X** 1. $A \% B \$ D * C$
 - ✓** 2. $C * A \% B$
 - X** 3. $C \% D \$ G * A$
 - X** 4. $A \# D \$ G * C$

Question ID : 6044814846

Status : Answered

Chosen Option : 2

Q.16

Question ID : 6044814863

Status : Answered

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

Chosen Option : 2

Question:
How is Praveen related to Sekhar?

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

Ans 1.

Data either in statement I alone or II alone is sufficient

2. Data in statement I alone is sufficient

3. Data in statement II alone is sufficient

4.

Data in both statements I and II together is not sufficient

Q.17 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. 39

2. 36

3. 48

4. 60

Question ID : 6044814855

Status : Answered

Chosen Option : 1

Q.18 When seen through a mirror, a clock shows 3:30. The correct time is _____.

Ans 1. 8:30

2. 5:30

3. 6:30

4. 2:30

Question ID : 6044814864

Status : Answered

Chosen Option : 1

Q.19 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. 150

2. 300

3. 350

4. 301

Question ID : 6044814856

Status : Answered

Chosen Option : 4

Q.20 Choose the correct option figure to complete the given series.



Ans

1.

2.

3.

Question ID : 6044814860

Status : Answered

Chosen Option : 4

✓ 4.

Q.21 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. Hari
 - 2. Sunil
 - 3. Arun
 - 4. Viji

Question ID : 6044814857

Status : Answered

Chosen Option : 2

Q.22 In the following question, the symbols *, @, %, S 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 S Y means 'X is greater than Y'
X # Y means 'X is not greater than Y'

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

Statements:

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

Conclusions:

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

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

Question ID : 6044814838

Status : Answered

Chosen Option : 3

Q.23 Find the angle between the hour hand and the minute hand of a clock when the time is 3 : 25.

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

Question ID : 6044814842

Status : Answered

Chosen Option : 3

Q.24 In the numbers from 100 to 1000, how many times does the digit 2 come at ten's place?

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

Question ID : 6044814840

Status : Answered

Chosen Option : 3

Q.25 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. 16
 - 2. 24
 - 3. 20

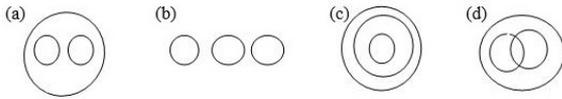
Question ID : 6044814837

Status : Answered

Chosen Option : 1

Q.26 Which of the following diagrams best depicts the relationship between the given items?

Flower, Lotus, Rose



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

Question ID : 6044814859

Status : Answered

Chosen Option : 4

Q.27 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.

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

Question ID : 6044814853

Status : Answered

Chosen Option : 1

Q.28 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. U is the grandfather of W
 - ✗ 2. V and W are children of U
 - ✓ 3. R is the husband of U
 - ✗ 4. R, S and T are all females

Question ID : 6044814866

Status : Answered

Chosen Option : 3

Q.29 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. 25
 - ✓ 2. 28
 - ✗ 3. 35
 - ✗ 4. 30

Question ID : 6044814861

Status : Answered

Chosen Option : 2

Q.30 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

Question ID : 6044814851

Status : Answered

Chosen Option : 1

4. Grandmother

Section : Discipline

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

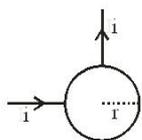
Question ID : 6044814884
Status : Answered
Chosen Option : 3

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

Question ID : 6044814881
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.3 Find the magnetic field induction at the centre of the circular loop of uniform wire as shown in the figure.



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

Question ID : 6044814871
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.4 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/s²
 - 2. Zero
 - 3. 2 m/s²
 - 4. 5 m/s²

Question ID : 6044814877
Status : Answered
Chosen Option : 2

Q.5 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:

Question ID : 6044814882

Ans 1. Zero

2. $\frac{2G(m_1 + m_2)}{x}$

3. $\frac{Gm_1m_2}{x}$

4. $\sqrt{\frac{2G(m_1 + m_2)}{x}}$

Status : **Answered**
Chosen Option : 3

Q.6 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. 1°

3. 8°

4. 2°

Question ID : 6044814883

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.7 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. 50 W

2. 25 W

3. 200 W

4. 10 W

Question ID : 6044814868

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.8 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. 500 kg/m^3

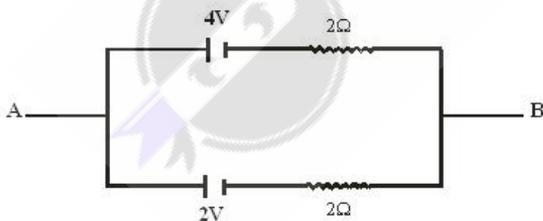
4. 750 kg/m^3

Question ID : 6044814887

Status : **Answered**

Chosen Option : 1

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



Ans 1. 4 V

2. 2 V

3. 3 V

4. 1.5 V

Question ID : 6044814870

Status : **Not Attempted and Marked For Review**

Chosen Option : --

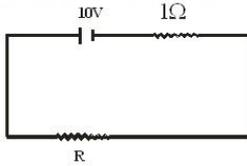
Q.10

Question ID : 6044814869

Status : **Not Attempted and Marked For Review**

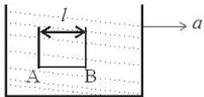
Chosen Option : --

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



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

Q.11 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. ρql
 - 2. ρla
 - 3. $\frac{\rho^2 l}{a}$
 - 4. Zero

Question ID : 6044814890

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.12 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. 400 N
 - 2. 20 N
 - 3. 200 N
 - 4. 10 N

Question ID : 6044814886

Status : Marked For Review

Chosen Option : 2

Q.13 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. 5 cm
 - 2. 25 cm
 - 3. 15 cm
 - 4. 20 cm

Question ID : 6044814876

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.14 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)

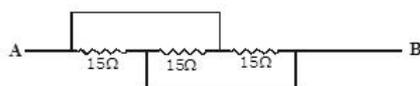
- Ans
- 1. 4 km
 - 2. 16 km
 - 3. 64 km
 - 4. 32 km

Question ID : 6044814879

Status : Answered

Chosen Option : 3

Q.15 Find the effective resistance between A and B in the given circuit.



- Ans
- 1. 15Ω

Question ID : 6044814867

Status : Answered

Chosen Option : 4

- 2. 45Ω
- 3. 5Ω
- 4. 30Ω

Q.16 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. $\frac{R^3}{R^3 - r^3}$
 - 2. $\frac{R^3}{2(R^3 - r^3)}$
 - 3. $\frac{R}{R - r}$
 - 4. $\frac{2R^3}{R^3 - r^3}$

Question ID : 6044814888

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.17 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.

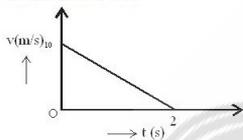
- Ans**
- 1. $\frac{d}{v - u}$
 - 2. $\frac{d}{v + u}$
 - 3. $\frac{2d}{v + u}$
 - 4. $\frac{2d}{v - u}$

Question ID : 6044814889

Status : **Answered**

Chosen Option : 4

Q.18 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. 20 m
 - 2. 10 m
 - 3. 2.5 m
 - 4. 5 m

Question ID : 6044814891

Status : **Answered**

Chosen Option : 1

Q.19 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. 1.25 J
 - 2. 2.5 J
 - 3. 10 J
 - 4. 5 J

Question ID : 6044814878

Status : **Not Attempted and Marked For Review**

Chosen Option : --

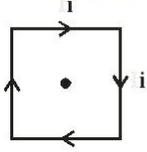
Q.20

Question ID : 6044814873

Status : **Not Attempted and Marked For Review**

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

Chosen Option : --



Ans

1. $4 \left(\frac{\mu_0 i}{4\pi a} \right)$

2. $2\sqrt{2} \frac{\mu_0 i}{\pi a}$

3. Zero

4. $\frac{\mu_0 i}{2\pi a}$

Q.21 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. $\frac{\mu_0 e v}{4\pi r^2}$

2. $\frac{\mu_0 e v}{2\pi r}$

3. $\frac{\mu_0 e v}{2\pi r^2}$

4. $\frac{\mu_0 e v}{4\pi r}$

Question ID : 6044814874

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.22 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. $\frac{Br}{R}$

2. $\frac{B\pi r^2}{R}$

3. $\frac{Br^2}{R}$

4. $\frac{B\pi R}{r}$

Question ID : 6044814872

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.23 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. 15 cm

2. 25 cm

3. 20 cm

4. 30 cm

Question ID : 6044814875

Status : Answered

Chosen Option : 1

Q.24 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. $\frac{-GMm}{R^2}$

2. Zero

Question ID : 6044814880

Status : Answered

Chosen Option : 2

✓ 3. $\frac{-GMm}{R}$

✗ 4. $\frac{-GMm}{2R}$

Q.25 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. 0.01 N
 - ✗ 2. 0.1 N
 - ✓ 3. 100 N
 - ✗ 4. 10 N

Question ID : 6044814885

Status : Answered

Chosen Option : 3

Q.26 Glaucoma is a disorder of which of the following human organ?

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

Question ID : 6044814909

Status : Answered

Chosen Option : 4

Q.27 During a crop improvement programme, virus-free clones can be obtained through:

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

Question ID : 6044814899

Status : Answered

Chosen Option : 1

Q.28 Which of the following is NOT a Steroid hormone?

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

Question ID : 6044814915

Status : Answered

Chosen Option : 1

Q.29 Allogamy is:

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

Question ID : 6044814903

Status : Answered

Chosen Option : 4

Q.30 World Water Day is celebrated on?

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

Question ID : 6044814904

Status : Answered

Chosen Option : 3

Q.31 Which of the following organisms exhibits holozoic nutrition?

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

Question ID : 6044814900
Status : Answered
Chosen Option : 2

Q.32 The application of Biotechnology to improve the nutritional value of food crops is known as:

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

Question ID : 6044814901
Status : Answered
Chosen Option : 1

Q.33 Which biologist has first proposed Monera as a phylum?

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

Question ID : 6044814912
Status : Answered
Chosen Option : 4

Q.34 The enzymes that help in Nitrogen fixation are:

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

Question ID : 6044814898
Status : Answered
Chosen Option : 1

Q.35 An infection with H1N1 virus leads to which disease?

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

Question ID : 6044814906
Status : Answered
Chosen Option : 1

Q.36 Which of the following cranial nerves is present in the human eye?

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

Question ID : 6044814908
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.37 The enzyme catalase is present in which cell organelle?

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

Question ID : 6044814913
Status : Not Attempted and Marked For Review
Chosen Option : --

4. Nucleus

Q.38 Which of the following is a FALSE statement?

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

Question ID : 6044814914
Status : Answered
Chosen Option : 1

Q.39 Which of the following is the major role of light in Photosynthesis?

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

Question ID : 6044814892
Status : Answered
Chosen Option : 4

Q.40 Alcohol may be produced during which of the following life processes?

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

Question ID : 6044814893
Status : Answered
Chosen Option : 1

Q.41 Which of the following glands is devoid of ducts?

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

Question ID : 6044814916
Status : Answered
Chosen Option : 3

Q.42 Which of the following is NOT a characteristic feature of the Genetic Code?

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

Question ID : 6044814895
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.43 The release of Phosphates and Nitrates into water bodies leads to which of the following?

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

Question ID : 6044814896
Status : Answered
Chosen Option : 2

Q.44 Which of the following is the key point of Lamarck's view on organic evolution?

- Ans 1.

Question ID : 6044814894
Status : Answered

Every offspring shows a struggle for existence

2. Every offspring shows variations

3.

Every offspring repeats phylogeny in its ontogeny

4.

Every offspring inherits acquired characters of the parental generation

Chosen Option : 3

Q.45 Which of the following is NOT an infectious disease?

Ans 1. Diabetes

2. Cholera

3. Dengue

4. Hepatitis

Question ID : 6044814905

Status : Answered

Chosen Option : 1

Q.46 Which of the following is a fungal disease?

Ans 1. Candidiasis

2. Malaria

3. Typhoid

4. Hepatitis

Question ID : 6044814907

Status : Answered

Chosen Option : 1

Q.47 Which of the following is true about DDT?

Ans 1. It is a phytohormone.

2. It is an antibiotic.

3. It is a biodegradable pollutant.

4. It is a non-biodegradable pollutant.

Question ID : 6044814897

Status : Answered

Chosen Option : 3

Q.48 Intercalated discs are a characteristic of which muscles?

Ans 1. Sphincter muscles

2. Skeletal muscles

3. Cardiac muscles

4. Smooth muscles

Question ID : 6044814910

Status : Answered

Chosen Option : 3

Q.49 AM fungi in plants are present in the:

Ans 1. Root Cortex

2. Leaf Cortex

3. Root Medulla

4. Stem Cortex

Question ID : 6044814911

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.50 The term Silver Revolution is associated with the production of which of the following?

Ans 1. Fish

2. Oilseeds

Question ID : 6044814902

Status : Answered

Chosen Option : 3

3. Eggs

4. Rice

Q.51 The coefficients of $Cr_2O_7^{2-}$, Fe^{+2} and H^+ in the reaction between $FeSO_4$ and acidified $K_2Cr_2O_7$ is:

Ans 1. 1, 6, 14

2. 1, 7, 6

3. 6, 1, 14

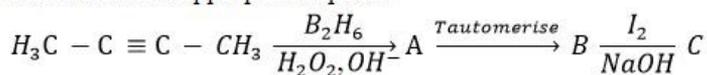
4. 1, 6, 7

Question ID : 6044814922

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.52 Select the most appropriate option.



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

Ans 1. Yellow

2. Prussian blue

3. Blood red

4. Pink

Question ID : 6044814927

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.53 The rusting of iron is more in the presence of _____.

Ans 1. O_2

2. H^{+1}

3. OH^{-1}

4. N_2

Question ID : 6044814937

Status : Answered

Chosen Option : 1

Q.54 Glass is _____.

Ans 1. a homogeneous solid

2.

a homogenous amorphous solidified supercooled liquid

3. a heterogeneous solid

4.

a homogeneous crystalline solidified supercooled liquid

Question ID : 6044814938

Status : Answered

Chosen Option : 4

Q.55 When the vapours of a primary, secondary and tertiary alcohol are passed over Cu at 300 °C, _____, _____ and _____ are formed.

Ans 1. Aldehyde, ketone, alkene

2. Ketone, aldehyde, no reaction

3. Aldehyde, ketone, no reaction

4. Aldehyde, alkene, ketone

Question ID : 6044814926

Status : Not Attempted and Marked For Review

Chosen Option : --

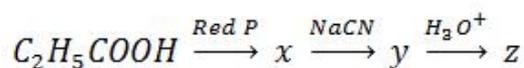
Q.56

Question ID : 6044814925

Status : Not Attempted and Marked For Review

Select the most appropriate option.

Chosen Option : --



where z is:

Ans

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

Q.57 If an acid solution of pH 5 is diluted thousand times, the pH of the solution becomes _____.

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

Question ID : 6044814921

Status : Answered

Chosen Option : 3

Q.58 Select the option that is an oxide ore.

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

Question ID : 6044814924

Status : Answered

Chosen Option : 1

Q.59 Titanium can be purified by _____.

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

Question ID : 6044814923

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.60 At critical micelle concentration, non-polar tail part of the micelle is formed by sodium stearate. Identify the non-polar tail part:

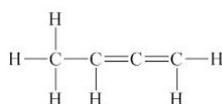
- Ans
- 1. $CH_3(CH_2)_{11}SO_3^-$
 - 2. $CH_3(CH_2)_{16}$
 - 3. $CH_3(CH_2)_{16}COO^-$
 - 4. $CH_3(CH_2)_{11}$

Question ID : 6044814939

Status : Not Attempted and Marked For Review

Chosen Option : --

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



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

Question ID : 6044814932

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.62 The percentage ratio of dicalcium silicate and tricalcium silicate in Portland cement is:

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

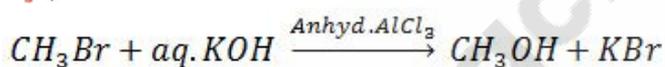
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Status : Not Attempted and Marked For Review

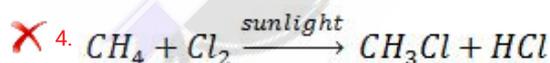
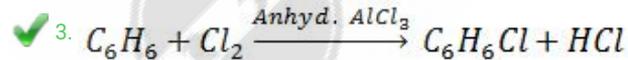
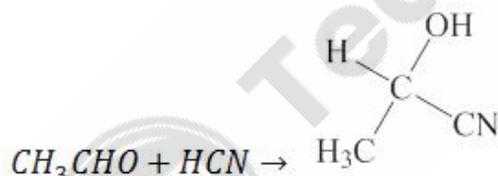
Chosen Option : --

Q.63 Electrophilic substitution takes place in:

- Ans 1.



- 2.

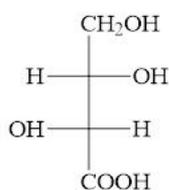


Question ID : 6044814934

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.64 The configuration at C_2 and C_3 in the following compound is _____.



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

Question ID : 6044814930

Status : Not Attempted and Marked For Review

Chosen Option : --

✓ 4. S, S

Q.65 Consumption of denatured spirit causes blindness, kidneys failure, even death. It is due to the formation of _____.

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

Question ID : 6044814928
Status : Answered
Chosen Option : 3

Q.66 Iron can be protected by galvanisation by zinc, because:

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

Question ID : 6044814936
Status : Answered
Chosen Option : 4

Q.67 _____ is the most widely produced non-conventional type of energy in India.

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

Question ID : 6044814941
Status : Answered
Chosen Option : 1

Q.68 Methane can be prepared by:

- Ans
- ✓ 1. Hydrolysis of Be_2C
 - ✗ 2. Frank land reaction
 - ✗ 3. Wurtz reaction
 - ✗ 4. Kolbe's electrolysis

Question ID : 6044814929
Status : Answered
Chosen Option : 3

Q.69 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 : Not Attempted and Marked For Review
Chosen Option : --

Q.70 _____ 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. CH_2Cl_2
 - ✗ 2. CCl_4
 - ✓ 3. C_2H_6
 - ✗ 4. $CHCl_3$

Question ID : 6044814933
Status : Answered
Chosen Option : 2

Q.71 Select the most appropriate statement regarding the reaction mechanism of esterification.

- Ans
- ✓ 1. H comes from alcohol and $-OH$ comes from $-COOH$ group.

Question ID : 6044814918
Status : Not Attempted and Marked For Review

2.

The formation of H_2O depends upon the concentration of acid and alcohol.

3.

H comes from $-COOH$ group and $-OH$ comes from alcohol.

4.

The formation of H_2O depends upon the concentration of acid.

Chosen Option : --

Q.72 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. 5,600 Å

2. 5,300 Å

3. 4,600 Å

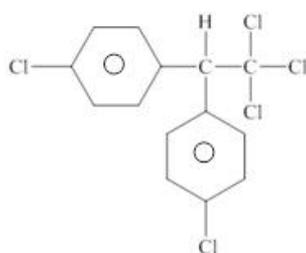
4. 4,300 Å

Question ID : 6044814917

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.73 The IUPAC name of the following compound is _____.



Ans 1.

1, 1 bis (4-chlorophenyl) 1, 1, 1-trichloroethane

2.

2, 2 bis (4-chlorophenyl) 1, 1, 1-trichloroethane

3.

2, 2 dichloro diphenyl 1, 1, 1-trichloroethane

4.

2, 2 bis (3-chlorophenyl) 1, 1, 1-trichloroethane

Question ID : 6044814931

Status : Answered

Chosen Option : 3

Q.74 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. MSO_4

2. $M_3(SO_4)_2$

3. $M_2(SO_4)_3$

4. $M(SO_4)_2$

Question ID : 6044814919

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.75 The Ganga action plan was launched on:

Ans 1. 14 January 1986 by Rajeev Gandhi

2. 2 October 2015 by Narendra Modi

3. 15 August 2003 by Atal Bihari Vajpayee

4. 2 October 1983 by Indira Gandhi

Question ID : 6044814940

Status : Answered

Chosen Option : 3

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

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

Question ID : 6044814962

Status : Answered

Chosen Option : 1

Q.77 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.78 Which of these is NOT a defect of the present science curriculum?

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

Question ID : 6044814960

Status : Answered

Chosen Option : 3

Q.79 Which of these is NOT an effective teaching strategy to involve the learners actively in a given classroom?

- Ans
- 1. Lecture method
 - 2. Group discussions
 - 3. Journal writing
 - 4. Role-plays

Question ID : 6044814959

Status : Answered

Chosen Option : 1

Q.80 Which of these is NOT a correct procedure for the purchase of science apparatus and equipment?

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

Question ID : 6044814965

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.81 Which of these does NOT belong to the scientific method /process?

- Ans
- 1. Observation
 - 2. Concepts
 - 3. Experimentation
 - 4. Reasoning

Question ID : 6044814942

Status : Answered

Chosen Option : 4

Q.82 Which of these is a student-centric method of teaching science?

Question ID : 6044814952

- Ans 1. Heuristic method
 2. Lecture method
 3. Demonstrative method
 4. Lecture and demonstrative method

Status : **Answered**
Chosen Option : 1

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 prevents narrow specialisation.
 3.
It encourages all-round development and growth of the student.
 4.
It establishes a close relationship between experience and knowledge.

Question ID : **6044814943**
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.84 Which of these is NOT a Herbartian step?

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

Question ID : **6044814951**
Status : **Answered**
Chosen Option : 1

Q.85 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. It does not help in problem-solving.
 4.
The teacher is assumed as a master of all the subjects, which is practically not possible.

Question ID : **6044814958**
Status : **Answered**
Chosen Option : 1

Q.86 Which of these is a limitation of the demonstrative method?

- Ans 1. 'Learning-by-doing' experience is less.
 2.
It reduces false imagination and provides concrete ideas about the concepts.
 3. It helps in critical thinking.
 4. It enhances reasoning through observation.

Question ID : **6044814954**
Status : **Answered**
Chosen Option : 1

Q.87 Which of these options yields fruitful laboratory work?

- Ans 1.
Record of the student not authenticated by the teacher.
 2.
Minimal coordination between theoretical and practical work.
 3.
The apparatus is arranged in a way such that it is difficult for distribution to the students.
 4.

Question ID : **6044814955**
Status : **Answered**
Chosen Option : 4

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

Q.88 Which of these is NOT a component of the unit plan format?

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

Question ID : 6044814950
Status : Answered
Chosen Option : 1

Q.89 When the class is divided into groups of pupils doing the same experiment, what is it called?

- Ans
- 1. Single-rotation system
 - 2. Even-front system
 - 3. Odd-front system
 - 4. Group-rotation system

Question ID : 6044814956
Status : Answered
Chosen Option : 4

Q.90 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. Heuristic method
 - 2. Project method
 - 3. Discussion method
 - 4. Assignment method

Question ID : 6044814957
Status : Answered
Chosen Option : 1

Q.91 Which of these is a category of the psychomotor domain?

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

Question ID : 6044814947
Status : Answered
Chosen Option : 1

Q.92 Which of these is a demerit of the lecture method?

- Ans
- 1. It cannot be applied on a group of students.
 - 2. It is not economical.
 - 3. It goes against 'learning-by-doing'.
 - 4. It cannot be applied in every environment.

Question ID : 6044814953
Status : Answered
Chosen Option : 3

Q.93 Which of these do NOT play an important role in science teacher training?

- Ans
- 1. Science club activities and science fairs.
 - 2. Common teaching for various needs of students.
 - 3. Maintenance of science libraries.
 - 4. Evaluation techniques.

Question ID : 6044814963
Status : Answered
Chosen Option : 2

Q.94 Aims are divided into definite, functional and workable units known as _____.

Ans

Question ID : 6044814944

- 1. objectives
- 2. skills
- 3. abilities
- 4. capabilities

Status : **Answered**
Chosen Option : 2

Q.95 Which of these steps is NOT a step in unit planning?

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

Question ID : 6044814949
Status : **Marked For Review**
Chosen Option : 2

Q.96 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.97 Which of these are characteristics of improvised materials?

- Ans
- 1. Raw materials are bought from outside at an expensive rate for high quality.
 - 2. Production of the material is time-consuming.
 - 3. Pupils, teachers and the community do not prepare the materials required.
 - 4. Raw materials are either picked free of cost from local environment or picked out at a low cost.

Question ID : 6044814966
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.98 Which of these is NOT a criterion of good educational objectives?

- Ans
- 1. Unambiguous
 - 2. Deviance from aims
 - 3. Specific
 - 4. Feasible

Question ID : 6044814945
Status : **Not Attempted and Marked For Review**
Chosen Option : --

Q.99 Which of these principles is most important in the selection of science subject matter?

- Ans
- 1. The content should not be selected and organised.
 - 2. The content focusses on only knowledge and skills, giving least importance to values.
 - 3. The content should depend purely on textbooks for the content.
 - 4.

Question ID : 6044814961
Status : **Answered**
Chosen Option : 4

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

Q.10 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.

Following his or her method of teaching only.

 2.

Pursuing Higher qualifications like MSc, MPhil and PhD

 3.

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

 4.

Developing own teaching style based on psychological principles.

Question ID : 6044814964

Status : Answered

Chosen Option : 1



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