

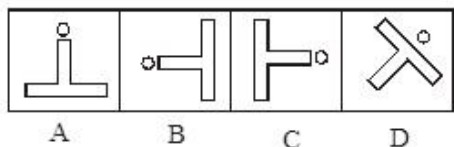
DSSSB SEP 2018

Test Center Name:	ION Digital Zone iDZ 1 Mathura Road
Test Date:	29/09/2018
Test Time:	12:30 PM - 2:30 PM
Subject:	TGT NATURAL SCIENCE MALE

Section : Mental Ability

Q.1 Choose the odd figure in the series:

Question ID : 16794316951



- Ans
- ☒ 1. B
 - ☒ 2. A
 - ☒ 3. C
 - ☒ 4. D

Q.2 Find the odd pair of numerals:

Question ID : 16794316964

- Ans
- ☒ 1. 13,15:14
 - ☒ 2. 6,8:7
 - ☒ 3. 14,16:18
 - ☒ 4. 12,16:14

Q.3 आपके मित्र ने हाल ही में प्रथम वर्ष बी.ई. में कॉलेज में दाखिला लिया है। आप देखते हैं कि सीनियर उसे परेशान कर रहे हैं। इस स्थिति से निपटने के लिए अपनाये जाने वाला सबसे अच्छा तरीका क्या है?

Question ID : 16794316955

- Ans
- ☒ 1.

इस जानकारी को कॉलेज के प्रधानाचार्य के ध्यान में लाना

- ☒ 2.

अपने दोस्त के माता-पिता को फोन करना और स्थिति के बारे में जानकारी देना

- ☒ 3.

अपने दोस्त को चुपचाप रैगिंग सहन करने की चेतावनी देना

- ☒ 4.

सीनियरों को चेतावनी देना कि रैगिंग एक अपराध है

Q.4 Animal always has:

Question ID : 16794316957

Identify the best option that suits the statement.

- Ans
- ☒ 1. Fur
 - ☒ 2. Wings

☒ 3. Horns

☒ 4. Heart

Q.5 Find the odd pair of words:

Question ID : 16794316963

Ans ☒ 1. Craniology : shells

☒ 2. Virology : viruses

☒ 3. Physiology : body

☒ 4. Zoology : animals

Q.6 What will be the next term in the following series:

Question ID : 16794316965

4, 5, 12, 39, 160, ?

Ans ☒ 1. 625

☒ 2. 805

☒ 3. 730

☒ 4. 820

Q.7 Find the embedded figure given below from the options:

Question ID : 16794316953



Ans



Q.8 At present, the ratio of ages of x and y is 1:2 respectively. Five years hence this ratio will become 2:3 respectively. What is x's present age in years?

Question ID : 16794316962

Ans ☒ 1. 5 years

☒ 2. 3 years

☒ 3. 12 years

☒ 4. 10 years

Q.9 यदि एक घड़ी को छः बजाने में छः सेकंड लगता है तो दस बजाने में उसे कितना समय लगेगा?

Question ID : 16794316961

Ans

☒ 1. $10\frac{1}{5}\text{sec}$

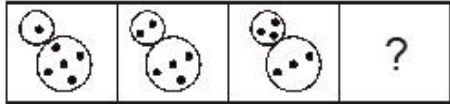
☒ 2. $10\frac{3}{5}\text{sec}$

☒ 3. $10\frac{4}{5}\text{sec}$

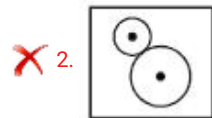
☒ 4. $10\frac{2}{5}\text{sec}$

Q.10 Choose the similar figure in the series:

Question ID : 16794316948



Ans

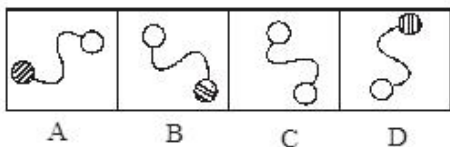


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Q.11 Choose the odd figure in the series:

Question ID : 16794316950



Ans

☒ 1. D

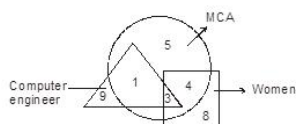
☒ 2. A

☒ 3. B

☒ 4. C

Q.12 Study the following carefully and answer the given questions:

Question ID : 16794316958



Which region belongs to women who are neither computer engineers nor MCA?

Ans

☒ 1. 13

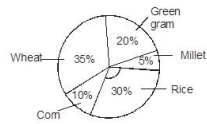
☒ 2. 5

✓ 3. 8

✗ 4. 1

Q.13 The following pie diagram shows information about the crop cultivation for the pulses & grains in "XYZ" state for the year of 2015-2016. Read the information and answer the questions:

The total crop produced in "XYZ" state is 23,428 tonnes.



How much crop of green gram is cultivated in 'XYZ' city during 2015-16?

- Ans**
- ✗ 1. 9872.4 tonnes
 - ✗ 2. 8185.6 tonnes
 - ✗ 3. 2342.8 tonnes
 - ✓ 4. 4685.6 tonnes

Question ID : 16794316952

Q.14 विजया राजेश की बहन है। राजेश की माँ के भाई की इकलौती बहन का बेटा विजया से कैसे संबंधित है?

- Ans**
- ✓ 1. भाई
 - ✗ 2. चाचा
 - ✗ 3. पिता
 - ✗ 4. दादा

Question ID : 16794316959

Q.15 If A stands for +, B stands for -, C stands for \times , then what is the value of (8C5) A (6C6) B2?

- Ans**
- ✗ 1. 85
 - ✓ 2. 74
 - ✗ 3. 94
 - ✗ 4. 79

Question ID : 16794316960

Q.16 How the pattern would appear when the transparent sheet is folded at the dotted line?



- Ans**
- ✗ 1.
 - ✓ 2.
 - ✗ 3.
 - ✗ 4.

Question ID : 16794316956

Q.17 जिस तरह से भारी चूक से झुटि संबंधित है उसी तरह से रोष किससे संबंधित है?

- Ans**
- ✓ 1. क्रोध

Question ID : 16794316947

- ✗ 2. उदास
✗ 3. पाप
✗ 4. खंडन

Q.18 What will be the next term in the following series:

Question ID : 16794316966

JPB, NTF, SYK, ?

- Ans ✓ 1. YEQ
✗ 2. CKL
✗ 3. EGA
✗ 4. GPM

Q.19 Naidu fitness club gives 30% concession in the monthly fee to those belong to any of the following categories:

Question ID : 16794316954

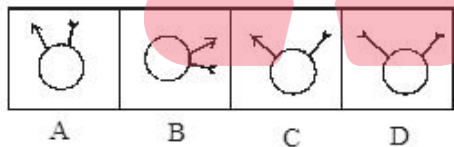
- (i) college students of age group 19 to 26 years
(ii) unemployed youth of age group 25 years to 40 years
(iii) senior citizens of age 50 years and above
(iv) Service men/ex-servicemen of police/Defence forces
(v) Sons and daughters of donors/founders of the fitness club

Spurthy is an obesity patient. She is 52 years old. She wants to join naidu fitness club. If her monthly package is ₹ 6000/-. How much concession she gets for her package?

- Ans ✗ 1. ₹ 3600/-
✓ 2. ₹ 1800/-
✗ 3. ₹ 600/-
✗ 4. ₹ 1200/-

Q.20 Choose the odd figure in the series:

Question ID : 16794316949



- Ans ✗ 1. B
✓ 2. D
✗ 3. A
✗ 4. C

Section : General Awareness

Q.1 Where is Antigua and Barbuda located?

Question ID : 16794316971

- Ans ✗ 1. Australasia
✗ 2. South China Sea
✗ 3. North America
✓ 4. The Caribbean and Americas

Q.2 Which of the following statements is correct regarding the Comptroller and Auditor General (CAG) of India?

Ans ☒ 1.

The senior-most officer in the Finance Ministry is appointed as the Comptroller and Auditor General of India.

☒ 2.

The Comptroller and Auditor General of India shall only be removed from office in like manner and on the like grounds as a Judge of the Supreme Court.

☒ 3.

The Comptroller and Auditor General of India is appointed by the Prime Minister of India.

☒ 4.

The Comptroller and Auditor General of India is appointed by chief justice of India.

Q.3 Who among the following built the Grand Trunk Road?

Question ID : 16794316968

Ans ☒ 1. Muhammad bin Tughluq☒ 2. Alla-ud-din Khilji☒ 3. Sher Shah Suri☒ 4. Razia Sultan

Q.4 When is the World Children's Day observed by UNICEF?

Question ID : 16794316983

Ans ☒ 1. 20 November☒ 2. 27 October☒ 3. 14 December☒ 4. 14 November

Q.5 Who won the 2018 Pulitzer Prize in the Poetry category?

Question ID : 16794316986

Ans ☒ 1.

Kamla (Surraya) Das for The Looking Glass

☒ 2. Patricia Smith for Incendiary Art☒ 3.

Frank Bidart for Half Light: Collected Poems

☒ 4. Evie Shockley for Semiautomatic

Q.6 Where is the famous Sun temple located?

Question ID : 16794316977

Ans ☒ 1. Konark☒ 2. Varanasi☒ 3. Jaisalmer☒ 4. Ujjain

Q.7 आदिल ने माइक्रोवेव ओवन में फिलकों के साथ कच्चा अंडा रखा और ओवन चालू किया। इस क्रिया का परिणाम क्या होगा?

Question ID : 16794316982

Ans ☒ 1.

अंडा एक मिनिट में उबल कर तैयार हो जाएगा

☒ 2. अंडा जैसेसा था वैसा ही रहेगा

✗ 3. अंडा दो मिनट में ओवन में पक जाएगा।

✓ 4. अंडे के छिलके फट जाएंगे

Q.8 Who is the Head of the Government in India?

Question ID : 16794316972

Ans ✗ 1. Speaker of Lok Sabha

✗ 2. Vice President

✗ 3. President

✓ 4. Prime Minister

Q.9 According to the Central Water Commission, on an average, floods affect _____ million hectares (mha) of land in India annually.

Question ID : 16794316970

Ans ✗ 1. 7.5

✗ 2. 3.6

✓ 3. 67

✗ 4. 14.4

Q.10 Who was the President of Congress Session of 1924 held in Belgaum?

Question ID : 16794316969

Ans ✓ 1. Mohandas Gandhi

✗ 2. Neelam Sanjiva Reddy

✗ 3. Abul Kalam Azad

✗ 4. Sarojini Naidu

Q.11 Who among the following founded Ramakrishna Mission to carry out humanitarian relief and social work?

Question ID : 16794316967

Ans ✗ 1. Sri Aurobindo

✗ 2. Sister Nivedita

✓ 3. Swami Vivekananda

✗ 4. Sarada Devi

Q.12 Who was the captain of the Indian Hockey team that won the first Olympic Gold medal in Amsterdam in 1928?

Question ID : 16794316980

Ans ✗ 1. Major Dhyan Chand

✗ 2. Sardar Singh

✗ 3. Charanjeet Singh

✓ 4. Jaipal Singh Munda

Q.13 Who is the author of the book 'The Prophet'?

Question ID : 16794316978

Ans ✗ 1. Jalal ad-Din Muhammad Rumi

✗ 2. Rabindranath Tagore

✓ 3. Kahlil Gibran

✗ 4. Leo Tolstoy

Q.14 Where will the Summer Olympic Games 2020 be held?

Question ID : 16794316981

Ans

✗ 1. Paris, France

✗ 2. Rio de Janeiro, Brazil

✓ 3. Tokyo, Japan

✗ 4. PyeongChang, South Korea

Q.15 What was the Infant Mortality Rate (IMR) (per 1000 live births) in 2016?

Question ID : 16794316975

Ans

✗ 1. 21

✗ 2. 45

✓ 3. 34

✗ 4. 49

Q.16 The Hindustani vocalist, Ashwini Bhide Deshpande belongs to which one of the following gharanas?

Question ID : 16794316979

Ans

✗ 1. Patiala

✓ 2. Jaipur-Atruli

✗ 3. Gwalior

✗ 4. Kirana

Q.17 According to Art. 75, the council of ministers shall be collectively responsible to the:

Question ID : 16794316973

Ans

✗ 1. Prime Minister of India

✗ 2. President of India

✓ 3. House of the People

✗ 4. Supreme Court of India

Q.18 Who among the following is the Indian-origin Chief Executive Officer (CEO) of PepsiCo who decided in August 2018 to step down as the CEO after being at the helm for 12 years?

Question ID : 16794316984

Ans

✗ 1. Kiran Mazumdar-Shaw

✗ 2. Satya Nadella

✗ 3. Sundar Pichai

✓ 4. Indra Nooyi

Q.19 Who was posthumously awarded the prestigious Dadasaheb Phalke Award in April 2018?

Question ID : 16794316985

Ans

✗ 1. Shashi Kapoor

✗ 2. Sridevi

✗ 3. Pran

✓ 4. Vinod Khanna

Q.20 What was the per capita income in real terms (at 2011-12 prices) during the year 2016-17?

Question ID : 16794316976

Ans

✗ 1. ₹ 74,573

✗ 2. ₹ 1,12,835

✓ 3. ₹ 82,269

✗ 4. ₹ 1,03,870

Section : Arithmetic Ability

Q.1 A solid cylinder of radius 8 cm and height 10 cm is melted and recasted into a cone of base radius 20 cm. what is the height of the cone?

Question ID : 16794316999

Ans

✗ 1. 14.4 cm

✓ 2. 4.8 cm

✗ 3. 10.6 cm

✗ 4. 6.6 cm

Q.2 एक व्यक्ति ने ₹ 10000 की राशि अंशतः 6% प्रतिवर्ष और शेषराशि 4% प्रतिवर्ष पर निवेश किया। यदि दोनों योजनाओं में 2 वर्ष के लिए साधारण व्याज बराबर हैं, तो 6% प्रति वर्ष पर कितनी राशि निवेश की गई थी?

Question ID : 16794316996

Ans

✗ 1. ₹ 3500

✗ 2. ₹ 4500

✗ 3. ₹ 3000

✓ 4. ₹ 4000

Q.3 एक व्यक्ति 75 km/h की गति से 30 किमी की दूरी और 60 km/h की गति 50 किमी की दूरी तय करता है। पूरी यात्रा के लिए उसकी औसत गति क्या है? (एक दशमलव स्थान तक सही)

Question ID : 16794317000

Ans

✓ 1. 64.9 km/h

✗ 2. 62.8 km/h

✗ 3. 63.6 km/h

✗ 4. 67.5 km/h

Q.4 एक व्यक्ति ने ₹ 580 में एक वस्तु खरीदी और इसकी मरम्मत पर ₹ 120 खर्च किये। वह कीमत इस तरह से अंकित करता है कि अंकित कीमत पर 20% की छूट देने के बाद, उसे 28% लाभ मिलता है। सामग्री की अंकित कीमत क्या है?

Question ID : 16794316994

Ans

✗ 1. ₹ 800

✗ 2. ₹ 1180

✗ 3. ₹ 1080

✓ 4. ₹ 1120

Q.5 एक काम को A और B एक साथ 36 घंटे में, B और C एक साथ 45 घंटे में तथा C और A, 60 घंटे में पूरा कर सकते हैं। कितने दिनों में B, 60% काम को पूरा करेगा?

Question ID : 16794317002

Ans

✗ 1. 62

✗ 2. 54

✗ 3. 58

Q.6 35 वस्तुओं को बेचने पर, एक व्यक्ति को 5 वस्तुओं की विक्री मूल्य का लाभ होता है। उसका लाभ प्रतिशत क्या है?

Question ID : 16794316995

Ans

✗ 1. $\frac{25}{2}\%$

✗ 2. $\frac{10}{3}\%$

✓ 3. $\frac{50}{3}\%$

✗ 4. $\frac{100}{7}\%$

Q.7 दो पाइप A और B एक खाली टंकी को क्रमशः 8 घंटे और 12 घंटे में भर सकते हैं। एक तीसरा पाइप C, भरी हुई टंकी को 15 घंटे में खाली कर सकता है। टंकी खाली होने पर पाइप A और B खोले जाते हैं और 2 घंटे बाद पाइप A बंद किया जाता है और पाइप C खोला जाता है। कितने घंटों में, टंकी पूरी तरह से भर जाएगी?

Question ID : 16794317003

Ans

✗ 1. 5

✓ 2. $\frac{53}{9}$

✗ 3. $\frac{17}{3}$

✗ 4. $\frac{52}{9}$

Q.8 दो पात्र A और B में 2 : 3 और 4 : 5 के अनुपात में स्पिरिट और पानी है। उनकी सामग्रियों को 5 : 7 के अनुपात में मिश्रित किया जाता है। नए मिश्रण में स्पिरिट और पानी का अनुपात क्या है?

Question ID : 16794316992

Ans

✗ 1. 4 : 5

✗ 2. 3 : 7

✓ 3. 3 : 4

✗ 4. 2 : 5

Q.9 In a class, 60% are girls and 40% are boys. If in a test 70% girls and 60% boys passed in the test, what percent of students passed?

Question ID : 16794316993

Ans

✗ 1. 68%

✗ 2. 56%

✓ 3. 66%

✗ 4. 70%

Q.10 What is the least number which when divided by 21, 28, 36, and 45, leaves remainder 5 in each case and is divisible by 13?

Question ID : 16794316989

Ans

✗ 1. 5070

✗ 2. 4940

✓ 3. 5044

✗ 4. 4966

Q.11 The sides of a triangular plot are 26 m, 28 m, and 30 m. what is the cost of levelling the plot at the rate of ₹ 15/m²?

Question ID : 16794316998

Ans

✓ 1. ₹ 5040

✗ 2. ₹ 4960

✗ 3. ₹ 4080

✗ 4. ₹ 3520

Q.12 यदि तीन संख्याओं का अनुपात A, B और C = 5 : 6 : 8 है। यदि A में 150% की वृद्धि हुई है, B में 60% की वृद्धि हुई है और C में 20% की कमी आई है, तो इस प्रकार प्राप्त हुई संख्याओं का अनुपात क्या है?

Question ID : 16794316991

- Ans
- ✗ 1. 25 : 16 : 8
 - ✗ 2. 25 : 25 : 16
 - ✗ 3. 25 : 16 : 24
 - ✓ 4. 125 : 96 : 64

Q.13 The HCF of two numbers is 16 and their product is 1024. What is sum of their reciprocals?

Question ID : 16794316990

- Ans
- ✗ 1. $\frac{7}{1024}$
 - ✗ 2. $\frac{5}{1024}$
 - ✗ 3. $\frac{7}{64}$
 - ✓ 4. $\frac{5}{64}$

Q.14

The value of $\frac{1\frac{1}{8} + \left[\frac{1}{12} \div \frac{4}{9} - \left(\frac{1}{2} - \frac{5}{8} \right) \right]}{\left[\frac{1}{6} - \left(\frac{1}{4} - \frac{3}{2} \right) \right] \div \frac{2}{3} - \frac{1}{\sqrt{16}}}$ is equal to:

Question ID : 16794316988

- Ans
- ✗ 1. $\frac{17}{3}$
 - ✗ 2. $\frac{23}{10}$
 - ✗ 3. $\frac{22}{3}$
 - ✓ 4. $\frac{23}{6}$

Q.15

The value of $\frac{(263)^3 - (527)^3 + (264)^3}{26.3 \times 52.7 \times 158.4}$ is equal to:

Question ID : 16794316987

- Ans
- ✗ 1. -1000
 - ✓ 2. -500
 - ✗ 3. 1000
 - ✗ 4. 500

Q.16 स्थिर पानी में नाव की गति और धारा की गति का अनुपात 5 : 1 है यह 2 घंटे 3 मिनट में 9 km प्रतिकूल की जा सकती है और मूल बिंदु पर वापस आ सकती है। km/h में धारा की गति क्या है?

Question ID : 16794317001

- Ans
- ✗ 1. 2.5
 - ✗ 2. 1

✗ 3. 2

✓ 4. 1.5

Q.17 ₹ 12,000 की राशि 5 मासिक आधार पर चक्रवृद्धित 12% प्रति वर्ष की व्याज दर पर 15 महीने के लिए निवेश की जाती है। चक्रवृद्धि व्याज क्या होगा?

Question ID : 16794316997

Ans ✗ 1. ₹ 2178.50

✓ 2. ₹ 1891.50

✗ 3. ₹ 6250.50

✗ 4. ₹ 1800

Comprehension:

निम्नलिखित तालिका 6 महीने की अवधि में बेचे जाने वाले मोबाइल फोन की संख्या दर्शाती है। तालिका पढ़ें और निम्नलिखित प्रश्नों का उत्तर दें:

महीने	जनवरी	फरवरी	मार्च	अप्रैल	मई	जून
बेचे गए कुल मोबाइल फोन	480	330	360	285	600	375

SubQuestion No : 18

Q.1 जनवरी, मार्च और मई के दौरान बेचे गए मोबाइल फोन 6 महीने के दौरान बेचे गए फोन का कुल प्रतिशत क्या है? (एक दशमलव स्थान तक सही)?

Question ID : 16794317006

Ans ✗ 1. 60.8°

✗ 2. 60.6°

✓ 3. 59.3°

✗ 4. 59.8°

Comprehension:

The following table gives the number of mobile phones sold over a period of 6 months. Read the table and answer the following questions:

Months	Jan	Feb	March	April	May	June
No of mobile phones sold	480	330	360	285	600	375

SubQuestion No : 19

Q.1
9

Question ID : 16794317007

If the information given in the table is represented as pie-chart, what is the central angle of the sector representing sale in the month of May to nearest complete degree?

- Ans
- ☒ 1. 91
 - ☒ 2. 93
 - ☒ 3. 89
 - ☒ 4. 87

Comprehension:

The following table gives the number of mobile phones sold over a period of 6 months. Read the table and answer the following questions:

Months	Jan	Feb	March	April	May	June
No of mobile phones sold	480	330	360	285	600	375

SubQuestion No : 20

Q.2 What is the average number of mobile phones sold per month?

Question ID : 16794317005

- Ans
- ☒ 1. 405
 - ☒ 2. 390
 - ☒ 3. 395
 - ☒ 4. 410

Section : General English

Q.1 Select the most appropriate option to fill in the blank.

Question ID : 16794317008

That student is quiet weak _____ Mathematics.

- Ans
- ☒ 1. for
 - ☒ 2. on
 - ☒ 3. in
 - ☒ 4. of

Q.2 Select the most appropriate option to fill in the blank.

Question ID : 16794317009

I posted the parcel _____ the main Post Office _____ Tuesday.

- Ans
- ☒ 1. on ; on
 - ☒ 2. at ; on

☒ 3. at ; in

☒ 4. in ; at

Q.3 In the following sentence four words/phrases have been underlined. One of them is incorrect. Choose the incorrect word/phrase from the given options.

Question ID : 16794317022

Heart diseases normally results in damage to the heart muscle, the valves or the pace maker.

Ans ☒ 1. to the heart muscle

☒ 2. results

☒ 3. normally

☒ 4. or the pace maker

Q.4 Select the synonym of the given word:

Question ID : 16794317017

ACCUMULATE

Ans ☒ 1. assume

☒ 2. affect

☒ 3. amass

☒ 4. assimilate

Q.5 Arrange parts of the sentence in meaningful and grammatically correct order.

Question ID : 16794317021

- A. famous for its one-horned rhino
B. assam's Kaziranga National Park
C. hi-tech drones for capturing video footages
D. is all set to boost vigilance with a new set of
E. of parts of jungle not accessible on foot

Ans ☒ 1. BADCE

☒ 2. BACDE

☒ 3. BDAEC

☒ 4. BDCEA

Q.6 Select the most appropriate option to fill in the blank.

Question ID : 16794317011

If we _____ the match yesterday, we would have taken the trophy home.

Ans ☒ 1. have won

☒ 2. win

☒ 3. are winning

☒ 4. had won

Q.7 Select the most appropriate option to fill in the blank.

Question ID : 16794317013

_____ they have new washing machine, their clothes are still washed By hand.

Ans ☒ 1. Because

☒ 2. In case

☒ 3. Although

☒ 4. Whether

Q.8

Question ID : 16794317010

Select the most appropriate option to fill in the blank.

That dog _____ dangerous. Keep away from him.

- Ans
- ☒ 1. has looked
 - ☒ 2. has been looking
 - ☒ 3. looks
 - ☒ 4. looked

Q.9 Select the sentence structure that is grammatically correct.

Question ID : 16794317020

- Ans
- ☒ 1. He has finished the just job you gave him.
 - ☒ 2. He has just finished the job you gave him.
 - ☒ 3. He has gave the job you just finished him.
 - ☒ 4. The job you gave him just he has finished.

Q.10 Select the most appropriate option to fill in the blank.

Question ID : 16794317012

The dust tickled my nose _____ I sneezed.

- Ans
- ☒ 1. or
 - ☒ 2. but
 - ☒ 3. so
 - ☒ 4. and

Q.11 Select the synonym of the given word:

Question ID : 16794317016

CONTRACT

- Ans
- ☒ 1. expand
 - ☒ 2. contact
 - ☒ 3. broaden
 - ☒ 4. shrink

Q.12 Select the most appropriate option to fill in the blank.

Question ID : 16794317015

Losing their way in the snow and mist, they walked this way and that way the whole day long. The next day they could _____ walk.

- Ans
- ☒ 1. normally
 - ☒ 2. usually
 - ☒ 3. barely
 - ☒ 4. successfully

Q.13 Select the most appropriate option to fill in the blank.

Question ID : 16794317014

The boys were _____ to catch the bus.

- Ans
- ☒ 1. seeing

- ☒ 2. attending
- ☒ 3. weighting
- ☒ 4. playing

Q.14 Select the antonym of the given word:

Question ID : 16794317019

RETRIEVE

- Ans
- ☒ 1. reclaim
 - ☒ 2. rescue
 - ☒ 3. lose
 - ☒ 4. find

Q.15 Select the antonym of the given word:

Question ID : 16794317018

OFFEND

- Ans
- ☒ 1. please
 - ☒ 2. upset
 - ☒ 3. excite
 - ☒ 4. insult

Comprehension:



TEACHERS

adda247

Read the following passage and answer the questions given after it.

The coconut oil controversy has gripped the entire nation, and **left everyone in a fix**. In a recent lecture titled 'Coconut oil and other nutritional errors', a Harvard professor Karin Michels stated that coconut oil is 'one of the worst things you can eat' and 'pure poison'. Her lecture said that coconut oil has high proportion of saturated fat, increases LDL cholesterol (bad cholesterol) levels, and enhances risk of cardiovascular disease. Ironically, in the Harvard Health Letter, a doctor at Harvard School of Public Health, Walter C Willett, had stated that 'coconut oil is not all bad' as it boosts good cholesterol (HDL).

So, there are both sides to the story. While coconut oil has natural saturated fats which increase the levels of good cholesterol in the body, it can also turn into a less harmful form of bad cholesterol. - Due to its power-packed nutritional values, coconut oil is applied on skin and hair. It is an effective moisturiser and protects against any damage. Fatty acids present in coconut oil help kill harmful pathogens, including viruses, bacteria and fungi, preventing from potential infections. Nonetheless, coconut oil is highly effective in reducing belly fat, and fights against the abdominal cavity in and around the organs. I

Polyunsaturated fatty acids (PUFAs) and monounsaturated fatty acids (MUFAs) are referred to as 'healthy fats' found in coconut oil that protect the overall health. PUFAs and MUFAs have been proven to be an essential part of a balanced diet. Including MUFAs in your diet can help lower cholesterol levels and reduce the risk of heart disease. MUFAs are composed of high vitamin E and antioxidant content that keeps the body healthy by protecting cells from damaging.

When eaten in moderation, PUFAs can help lower your cholesterol levels and reduce your risk of heart disease, just like MUFAs. PUFAs can be divided into two categories - omega-3 fatty acids and omega-6 fatty acids - that play an important role in body growth and development, proper brain functioning, regulating metabolism, stimulating hair growth, and keeping reproductive system healthy. The key to getting most of these benefits is to consume both PUFAs and MUFAs in moderation as part of a balanced diet.

According to the Coconut Research Center, coconut oil kills the viruses that cause measles, SARS, influenza, herpes, hepatitis, and other sombre health issues. It also kills bacteria that cause urinary tract infections, ulcers, pneumonia, throat infections, and gonorrhoea. Moreover, MCTs found in coconut oil improves the cognitive abilities of Alzheimer's patients as it is an excellent source of ketone (associated with improving memory). Conclusion: Coconut oil has been regarded as one of the healthiest oils since ancient times. However, keeping in mind recent findings, we should try to incorporate coconut oil in moderation (a couple of tablespoons a day) so that we can derive its numerous health benefits.

Q.1
6 Which of the following is NOT an example of coconut oil's power-packed nutritional value?

Ans ✓ 1.

Coconut oil increases LDL cholesterol levels, and enhances risk of cardiovascular disease

✗ 2. MCTs in coconut oil, an excellent source of ketone, improve the cognitive abilities of Alzheimer's patients.

✗ 3. Fatty acids present in coconut oil help kill harmful pathogens preventing from potential infections.

✗ 4. Coconut oil kills the viruses that cause measles, SARS, influenza, herpes, hepatitis etc.

Comprehension:



TEACHERS

adda247

Read the following passage and answer the questions given after it.

The coconut oil controversy has gripped the entire nation, and **left everyone in a fix**. In a recent lecture titled 'Coconut oil and other nutritional errors', a Harvard professor Karin Michels stated that coconut oil is 'one of the worst things you can eat' and 'pure poison'. Her lecture said that coconut oil has high proportion of saturated fat, increases LDL cholesterol (bad cholesterol) levels, and enhances risk of cardiovascular disease. Ironically, in the Harvard Health Letter, a doctor at Harvard School of Public Health, Walter C Willett, had stated that 'coconut oil is not all bad' as it boosts good cholesterol (HDL).

So, there are both sides to the story. While coconut oil has natural saturated fats which increase the levels of good cholesterol in the body, it can also turn into a less harmful form of bad cholesterol. - Due to its power-packed nutritional values, coconut oil is applied on skin and hair. It is an effective moisturiser and protects against any damage. Fatty acids present in coconut oil help kill harmful pathogens, including viruses, bacteria and fungi, preventing from potential infections. Nonetheless, coconut oil is highly effective in reducing belly fat, and fights against the abdominal cavity in and around the organs. I

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Q.1
7 What is the coconut oil controversy?

Ans Coconut oil has been regarded as one of the

✗ 1. healthiest oils since ancient times and is used for cooking.

While coconut oil increases the levels of
✗ 2. good cholesterol in the body, it can also turn into a less harmful form of bad cholesterol.

✗ 3.
Coconut oil has both Polyunsaturated fatty acids (PUFAs) and monounsaturated fatty acids (MUFAs).

One Harvard research says Coconut oil is
✓ 4. pure poison whereas the other study says 'it is not all bad'.

Comprehension:



Read the following passage and answer the questions given after it.

The coconut oil controversy has gripped the entire nation, and **left everyone in a fix**. In a recent lecture titled 'Coconut oil and other nutritional errors', a Harvard professor Karin Michels stated that coconut oil is 'one of the worst things you can eat' and 'pure poison'. Her lecture said that coconut oil has high proportion of saturated fat, increases LDL cholesterol (bad cholesterol) levels, and enhances risk of cardiovascular disease. Ironically, in the Harvard Health Letter, a doctor at Harvard School of Public Health, Walter C Willett, had stated that 'coconut oil is not all bad' as it boosts good cholesterol (HDL).

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Q.1
8 What helps in keeping the body healthy by protecting cells from damaging?

- Ans
- ☒ 1. antioxidants and pathogens
 - ☒ 2. pathogens and fatty acids
 - ☒ 3. saturated fats and MCTs
 - ☒ 4. vitamin E and antioxidants

Comprehension:



Read the following passage and answer the questions given after it.

The coconut oil controversy has gripped the entire nation, and **left everyone in a fix**. In a recent lecture titled 'Coconut oil and other nutritional errors', a Harvard professor Karin Michels stated that coconut oil is 'one of the worst things you can eat' and 'pure poison'. Her lecture said that coconut oil has high proportion of saturated fat, increases LDL cholesterol (bad cholesterol) levels, and enhances risk of cardiovascular disease. Ironically, in the Harvard Health Letter, a doctor at Harvard School of Public Health, Walter C Willett, had stated that 'coconut oil is not all bad' as it boosts good cholesterol (HDL).

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Q.1
9 Which of the following disease is caused by virus?

Ans

- ☒ 1. pneumonia
- ☒ 2. ulcers
- ☒ 3. throat infections
- ☒ 4. herpes

Comprehension:



Read the following passage and answer the questions given after it.

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Q.2 Read the statement from the passage: The coconut oil controversy has gripped the entire nation, and not only on a fix. What is the most appropriate piece of text that can replace the bold part?

Question ID : 16794317028

- Ans
- ☒ 1. To fix an appointment with someone
 - ☒ 2. To be in a difficult or embarrassing situation
 - ☒ 3. To be in a losing situation
 - ☒ 4. To be in a winning situation

Section : General Hindi

Comprehension:

नीचे दिये गए गद्यांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

शुक्लोत्तर समालोचकों ने शुक्ल जी का महत्व स्वीकार करते हुए भी उनसे कुछ महत्वपूर्ण मुद्दों पर मतभेद प्रकट किया। पं. नन्ददुलारे वाजपेयी ने हिन्दी साहित्य बीसवीं शताब्दी में शुक्ल जी के छायावाद रहस्यवाद विषयक विचारों की आलोचना की। वाजपेयी जी के अनुसार स्थूल व्यवहारवाद को निस्सीम बतलाकर और रहस्यवाद की कनकौए से तुलना कर विद्वान शुक्ल जी ने नवीन कविता के साथ अन्याय किया है। वाजपेयी जी का विचार है कि मनुष्य के आध्यात्मिक पक्ष का संपूर्ण निरूपण इस प्रकार की कविता की सीमा के अंतर्गत है। रहस्यवाद को कविता के क्षेत्र से खारिज नहीं कर सकते। वे छायावाद के प्रारंभिक और समर्थक थे। उन्होंने छायावाद के आध्यात्मिक पक्ष को शिकार करते हुए भी यह प्रकट किया कि छायावाद के आध्यात्मिक पक्ष को स्वीकार करते हुए भी यह प्रकट किया कि छायावाद की मुख्य प्रेरणा धार्मिक न होकर मानवीय और सांस्कृतिक है।

SubQuestion No : 1

Q.1 वाजपेयी जी के अनुसार छायावाद की मुख्य प्रेरणा है:

Question ID : 16794317033

- Ans
- ☒ 1. आर्थिक
 - ☒ 2. सांस्कृतिक
 - ☒ 3. राजनीतिक
 - ☒ 4. धार्मिक

Comprehension:

नीचे दिये गए गद्यांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

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SubQuestion No : 2

Q.2 गद्यांश में उल्लिखित नवीन कविता का आशय है:

Question ID : 16794317034

Ans

- ☒ 1. प्रगतिवाद
- ☒ 2. छायावाद
- ☒ 3. प्रयोगवाद
- ☒ 4. नयी कविता

Comprehension:

नीचे दिये गए गद्यांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

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SubQuestion No : 3

Q.3 नन्ददुलारे वाजपेयी ने शुक्ल जी के किन विचारों की आलोचना की?

Question ID : 16794317031

- Ans
- ✓ 1. छायावाद-रहस्यवाद
 - ✗ 2. छायावाद-प्रगतिवाद
 - ✗ 3. छायावाद-प्रयोगवाद
 - ✗ 4. रहस्यवाद-प्रयोगवाद

Comprehension:

नीचे दिये गए गद्यांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

शुक्लोत्तर समालोचकों ने शुक्ल जी का महत्व स्वीकार करते हुए भी उनसे कुछ महत्वपूर्ण मुद्दों पर मतभेद प्रकट किया। पं. नन्ददुलारे वाजपेयी ने हिन्दी साहित्य बीसवीं शताब्दी में शुक्ल जी के छायावाद रहस्यवाद विषयक विचारों की आलोचना की। वाजपेयी जी के अनुसार स्थूल व्यवहारवाद को निस्सीम बतलाकर और रहस्यवाद की कनकौए से तुलना कर विद्वान शुक्ल जी ने नवीन कविता के साथ अन्याय किया है। वाजपेयी जी का विचार है कि मनुष्य के अध्यात्म पक्ष का संपूर्ण निरूपण इस प्रकार की कविता की सीमा के अंतर्गत है। रहस्यवाद को कविता के क्षेत्र से खारिज नहीं कर सकते। वे छायावाद के प्रारंभिक और समर्थक थे। उन्होंने छायावाद के आध्यात्मिक पक्ष को शिकार करते हुए भी यह प्रकट किया कि छायावाद के आध्यात्मिक पक्ष को स्वीकार करते हुए भी यह प्रकट किया कि छायावाद की मुख्य प्रेरणा धार्मिक न होकर मानवीय और सांस्कृतिक है।

SubQuestion No : 4

Q.4 नन्ददुलारे वाजपेयी किसके प्रारंभिक और समर्थक थे?

Question ID : 16794317032

Ans

- ✓ 1. छायावाद
- ✗ 2. प्रयोगवाद
- ✗ 3. प्रगतिवाद
- ✗ 4. नयी कविता

Comprehension:

नीचे दिये गए गद्यांश को पढ़कर पूछे गये प्रश्नों के उत्तर दीजिए।

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SubQuestion No : 5

Q.5 'हिन्दी साहित्य: बीसवीं शताब्दी' किसकी पुस्तक है?

Question ID : 16794317030

Ans

- ✓ 1. नन्ददुलारे वाजपेयी
- ✗ 2. हजारीप्रसाद द्विवेदी
- ✗ 3. रामचन्द्र शुक्ल
- ✗ 4. रामविलास शर्मा

Q.6 निम्न में शुद्ध वर्तनी वाला शब्द है:

Question ID : 16794317048

Ans

- ✗ 1. सर्वजनिक
- ✗ 2. सार्वजनीक
- ✗ 3. सर्वजनीक
- ✓ 4. सार्वजनिक

Q.7 'विष्णु' का पर्यायवाची नहीं है:

Question ID : 16794317045

Ans

- ✗ 1. गोविंद
- ✓ 2. चतुरानन
- ✗ 3. केशव
- ✗ 4. माधव

Q.8 'अभिभावक' में उपसर्ग है:

- Ans
- ☒ 1. वक
 - ☒ 2. अभि
 - ☒ 3. अ
 - ☒ 4. भावक

Q.9 निम्न में कौन सा शब्द स्त्रीलिंग है?

Question ID : 16794317042

- Ans
- ☒ 1. अपराध
 - ☒ 2. आत्मा
 - ☒ 3. अमृत
 - ☒ 4. अपहरण

Q.10 'परीक्षा की प्रणाली बदलना पड़ेगी।' वाक्य में अशुद्ध अंश है:

Question ID : 16794317049

- Ans
- ☒ 1. परीक्षा की
 - ☒ 2. पड़ेगी।
 - ☒ 3. बदलना
 - ☒ 4. प्रणाली

Q.11 'मेधावी' में प्रत्यय है:

Question ID : 16794317044

- Ans
- ☒ 1. वी
 - ☒ 2. ई
 - ☒ 3. आवी
 - ☒ 4. मेधा

Q.12 निम्नलिखित में कौन सा शब्द तद्भव है?

Question ID : 16794317036

- Ans
- ☒ 1. श्यामल
 - ☒ 2. श्वास
 - ☒ 3. साग
 - ☒ 4. संध्या

Q.13 निम्नलिखित में जातिवाचक संज्ञा कौन सी है?

Question ID : 16794317037

- Ans
- ☒ 1. दासत्व
 - ☒ 2. गुच्छा
 - ☒ 3. काशी
 - ☒ 4. नदी

Q.14 'जिसका संबंध संसार के विषयों से हो' के लिए एक शब्द होगा:

Question ID : 16794317047

Ans

- ✓ 1. सांसारिक
- ✗ 2. पारिवारिक
- ✗ 3. सामाजिक
- ✗ 4. आर्थिक

Q.15 'मनस्ताप' का संधि विच्छेद होगा:

Question ID : 16794317040

- Ans
- ✗ 1. मनस + ताप
 - ✗ 2. मन + ताप
 - ✗ 3. मन + स्ताप
 - ✓ 4. मनः + ताप

Q.16 निम्न में कौन सी प्रेरणार्थक क्रिया है?

Question ID : 16794317039

- Ans
- ✗ 1. पढ़ना
 - ✓ 2. जगाना
 - ✗ 3. सुनना
 - ✗ 4. लेटना

Q.17 निम्नलिखित में से कौन सा शब्द तत्सम है?

Question ID : 16794317035

- Ans
- ✓ 1. सुगंध
 - ✗ 2. सौत
 - ✗ 3. सौ
 - ✗ 4. सोना

Q.18 निम्न में से कौन सा शब्द अव्यय है?

Question ID : 16794317038

- Ans
- ✗ 1. भला
 - ✗ 2. वर्तमान
 - ✓ 3. उधर
 - ✗ 4. भारी

Q.19 'बंदरगाह' में कौन सा समास है?

Question ID : 16794317041

- Ans
- ✗ 1. द्विगु
 - ✓ 2. तत्पुरुष
 - ✗ 3. अव्ययीभाव
 - ✗ 4. द्वंद्व

Q.20 'हँसना' का विलोम होगा:

Question ID : 16794317046

- Ans
- ☒ 1. गाना
 - ☒ 2. सोना
 - ☒ 3. जागना
 - ☒ 4. रोना

Section : Subject Related

Q.1 Which of the following gland has highest regeneration capacity?

Question ID : 16794317062

- Ans
- ☒ 1. Pancreas
 - ☒ 2. Liver
 - ☒ 3. Thyroid gland
 - ☒ 4. Salivary gland

Q.2 Water drops on the surface of plant leaves are formed as a result of which of these process?

Question ID : 16794317054

- Ans
- ☒ 1. Aestivation
 - ☒ 2. Guttation
 - ☒ 3. Photosynthesis
 - ☒ 4. Respiration

Q.3 Somatostatin is a hormone secreted by which of the following?

Question ID : 16794317061

- Ans
- ☒ 1. Beta cells of Islets of Langerhans of Pancreas
 - ☒ 2. Alpha cells of Islets of Langerhans of Pancreas
 - ☒ 3. Neurohypophysis of Pituitary gland
 - ☒ 4. Delta cells of Islets of Langerhans of Pancreas

Q.4 Cristae are the folds of inner membrane present in which of the following cell organelle?

Question ID : 16794317051

- Ans
- ☒ 1. Golgi
 - ☒ 2. Mitochondria
 - ☒ 3. Lysosomes
 - ☒ 4. Ribosomes

Q.5 Which of the following device is used to study the electrical activity of human brain?

Question ID : 16794317059

- Ans
- ☒ 1. ECG
 - ☒ 2. EEG
 - ☒ 3. EIG
 - ☒ 4. EMG

Q.6 Which of the following are Omnivorous organisms?

Question ID : 16794317050

- Ans
- ☒ 1. Jackals
 - ☒ 2. Tigers
 - ☒ 3. Human beings
 - ☒ 4. Rabbits

Q.7 Fertilization in human female occurs in which of the following parts?

Question ID : 16794317065

- Ans
- ☒ 1. Ovaries
 - ☒ 2. Uterus
 - ☒ 3. Cervix
 - ☒ 4. Fallopian tube

Q.8 Which of the following Vertebrates are essentially Ureotelic?

Question ID : 16794317055

- Ans
- ☒ 1. Aves
 - ☒ 2. Fishes
 - ☒ 3. Mammals
 - ☒ 4. Reptiles

Q.9 Which of the following is known as the middle man of the body?

Question ID : 16794317052

- Ans
- ☒ 1. Lymph
 - ☒ 2. Nerves
 - ☒ 3. Veins
 - ☒ 4. Blood

Q.10 Glucocorticoids are secreted by which of the following?

Question ID : 16794317063

- Ans
- ☒ 1. Adrenal Cortex
 - ☒ 2. Posterior Pituitary
 - ☒ 3. Adrenal medulla
 - ☒ 4. Anterior Pituitary

Q.11 Parkinson's disease affects which of the following organ in human beings?

Question ID : 16794317058

- Ans
- ☒ 1. Lungs
 - ☒ 2. Brain
 - ☒ 3. Heart
 - ☒ 4. Kidneys

Q.12 Which of the following hormones is released during Parturition in female human beings?

Question ID : 16794317066

- Ans
- ☒ 1. Prolactin
 - ☒ 2. Oxytocin
 - ☒ 3. Glucagon
 - ☒ 4. Estrogen

Q.13 Which of the following Cranial nerve innervates the Tongue?

Question ID : 16794317057

- Ans
- ☒ 1. X
 - ☒ 2. III
 - ☒ 3. VII
 - ☒ 4. IX

Q.14 In Genetic code, the codon GUG codes for which amino acid?

Question ID : 16794317068

- Ans
- ☒ 1. Glycine
 - ☒ 2. Valine
 - ☒ 3. Lysine
 - ☒ 4. Methionine

Q.15 The hair pin like structure which is a part of Nephron is:

Question ID : 16794317056

- Ans
- ☒ 1. Loop of Henley
 - ☒ 2. Proximal tubule
 - ☒ 3. Collecting tubule
 - ☒ 4. Distal tubule

Q.16 Which of the following statement is false about certain phenomena in plants?

Question ID : 16794317060

- Ans
- ☒ 1. Upward growth of plant roots is seen in positive Geotropism
 - ☒ 2. Respiration adds CO_2 to the atmosphere
 - ☒ 3. Photosynthesis adds Oxygen to the atmosphere
 - ☒ 4. Upward growth of plant shoots is seen in Negative Geotropism

Q.17 Regeneration is seen in which of the following organisms?

Question ID : 16794317064

- Ans
- ☒ 1. Ascaris
 - ☒ 2. Amoeba
 - ☒ 3. Hydra
 - ☒ 4. Planaria

Q.18 Miller-Urey experiment is associated with which of the following?

Question ID : 16794317069

- Ans
- ☒ 1. Taxonomy
 - ☒ 2. Genetics
 - ☒ 3. Anatomy
 - ☒ 4. Evolution

Q.19 Which of the following blood vessels supply the blood to the Liver?

Question ID : 16794317053

- Ans
- ☒ 1. Pulmonary arteries

- ☒ 2. Hepatic arteries
- ☐ 3. Coronary arteries
- ☐ 4. Carotid arteries

Q.20 What is the approximate total number of nucleotides in a Human genome?

Question ID : 16794317067

- Ans
- ☒ 1. 3 billion
 - ☐ 2. 1 billion
 - ☐ 3. 3 million
 - ☐ 4. 10 million

Section : Subject Related

Q.1 Itai-Itai disease is caused due to which of the following pollutant?

Question ID : 16794317081

- Ans
- ☐ 1. Lead
 - ☒ 2. Cadmium
 - ☐ 3. Silver
 - ☐ 4. Mercury

Q.2 The World Wild life day is observed on which date?

Question ID : 16794317086

- Ans
- ☐ 1. 5th January
 - ☐ 2. 5th June
 - ☒ 3. 3rd March
 - ☐ 4. 15th October

Q.3 Where was the COP 23 of UNFCCC held in 2017?

Question ID : 16794317073

- Ans
- ☐ 1. India
 - ☐ 2. USA
 - ☐ 3. France
 - ☒ 4. Germany

Q.4 The maintenance of equilibrium in an Ecosystem is known as:

Question ID : 16794317074

- Ans
- ☒ 1. Ecological balance
 - ☐ 2. Ecosphere
 - ☐ 3. Ecological niche
 - ☐ 4. Ecotone

Q.5 Where are the headquarters of International Union for Conservation of Nature and Natural resources (IUCN) located?

Question ID : 16794317085

- Ans
- ☐ 1. Paris
 - ☒ 2. Switzerland
 - ☐ 3. New York

☒ 4. London

Q.6 Tonoplast is a membrane that surrounds which cell organelle?

Question ID : 16794317083

- Ans
- ☒ 1. Ribosomes
 - ☒ 2. Plastids
 - ☒ 3. Vacuoles
 - ☒ 4. Lysosomes

Q.7 Which of the following is a Conventional source of energy?

Question ID : 16794317077

- Ans
- ☒ 1. Wind
 - ☒ 2. Sunlight
 - ☒ 3. LPG
 - ☒ 4. Tide

Q.8 Which of the following ecological pyramid is always upright?

Question ID : 16794317076

- Ans
- ☒ 1. Pyramid of bio-mass
 - ☒ 2. Pyramid of energy
 - ☒ 3. Pyramid of numbers
 - ☒ 4. Pyramid of detritivores

Q.9 Which of the following global convention was formed to regulate the import and export of hazardous chemicals?

Question ID : 16794317084

- Ans
- ☒ 1. Montreal protocol
 - ☒ 2. Tokyo convention
 - ☒ 3. Kyoto protocol
 - ☒ 4. Rotterdam convention

Q.10 Which of the following is an example of Mutualism?

Question ID : 16794317078

- Ans
- ☒ 1. Barnacles and Whales
 - ☒ 2. Orchids and large trees
 - ☒ 3. Algae and Fungi
 - ☒ 4. Sea anemone and crab

Q.11 Which of the following disease is caused due to contamination of drinking water?

Question ID : 16794317082

- Ans
- ☒ 1. Typhoid
 - ☒ 2. T.B
 - ☒ 3. HIV
 - ☒ 4. Leprosy

Q.12 Eichornia can be classified under which of the following type of plants?

Question ID : 16794317075

- Ans
- ☒ 1. Xerophytes
 - ☒ 2. Epiphytes

- ☒ 3. Halophytes
- ☒ 4. Hydrophytes

Q.13 Babesia divergens in cattle is transmitted through which of the following?

Question ID : 16794317088

- Ans ☒ 1. Mosquito
- ☒ 2. House fly
- ☒ 3. Pigs
- ☒ 4. Ticks

Q.14 Which of the following is a Primary Consumer in an aquatic food chain?

Question ID : 16794317070

- Ans ☒ 1. Algae
- ☒ 2. Phytoplankton
- ☒ 3. Zooplanktons
- ☒ 4. Sharks

Q.15 The Chemical distinction between two adjacent Ecosystems is known as?

Question ID : 16794317071

- Ans ☒ 1. Ecocline
- ☒ 2. Ecotone
- ☒ 3. Biome
- ☒ 4. Ecosphere

Q.16 Which of the following pollutant is a component of Acid rains?

Question ID : 16794317080

- Ans ☒ 1. HCl
- ☒ 2. HNO_3
- ☒ 3. HCHO
- ☒ 4. HCOO_3

Q.17 निम्नलिखित में से कौन सी गाय का विदेशी नस्ल है?

Question ID : 16794317072

- Ans ☒ 1. साहीवाल
- ☒ 2. फ्रीशवाल
- ☒ 3. मुरा
- ☒ 4. जर्सी

Q.18 Rearing of Earth worms is associated with which of the following?

Question ID : 16794317087

- Ans ☒ 1. Vermiculture
- ☒ 2. Sericulture
- ☒ 3. Aquaculture
- ☒ 4. Agriculture

Q.19

Which of the following is fluid type of tissue?

Question ID : 16794317079

- Ans
- ☐ 1. Cartilage
 - ☐ 2. Epithelium
 - ☐ 3. Bone
 - ☒ 4. Blood

Q.20 Blast is the diseases of which crop?

Question ID : 16794317089

- Ans
- ☐ 1. Sugar cane
 - ☒ 2. Paddy
 - ☐ 3. Wheat
 - ☐ 4. Cotten

Section : Subject Related

Q.1 Identify the Conjugate base of NH_3 .

Question ID : 16794317099

- Ans
- ☐ 1. NH_4^+
 - ☐ 2. N_2H_4
 - ☐ 3. NH_2OH
 - ☒ 4. NH_2^-

Q.2 $\text{CH}_3\text{COOH} \xrightarrow{\text{LiAlH}_4} \text{A} \xrightarrow{\text{PCl}_5} \text{B} \xrightarrow{\text{alc.KOH}} \text{C}$ Homologue of 'C' in the above reaction is:

Question ID : 16794317108

- Ans
- ☐ 1. C_2H_4
 - ☐ 2. $\text{C}_2\text{H}_5\text{CHO}$
 - ☒ 3. C_3C_6
 - ☐ 4. C_2H_2

Q.3 The IUPAC name of the compound $\text{CH}_2 = \text{CH} - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{C} \equiv \text{CH}$ is:

Question ID : 16794317109

- Ans
- ☐ 1. Hept-1-yne-1-ene
 - ☐ 2. 1, 6-heptynene
 - ☒ 3. Hept-1-ene-6-yne
 - ☐ 4. 1, 6-Heptenyne

Q.4 The wave number of the limiting line of the series (visible) in hydrogen spectrum is:

Question ID : 16794317094

- Ans
- ☐ 1. $12,186 \text{ cm}^{-1}$
 - ☒ 2. $27,419 \text{ cm}^{-1}$
 - ☐ 3. $1,09,677 \text{ cm}^{-1}$
 - ☐ 4. $15,233 \text{ cm}^{-1}$

Q.5 Identify the Incorrect statement among the following.

Question ID : 16794317103

Ans ☒ 1.

In froth flotation process for the purification of ore, ore particles float on water as surface is wetted by pine oil

☒ 2.

Silica is used as flux in the metallurgy of iron

☒ 3.

In zone refining method molten zone containing more impurities than original metal

☒ 4. Zr & Ti are purified by Van Arkel method

Q.6 Henry's law is not applicable if:

Question ID : 16794317091

Ans ☒ 1. Pressure of the gas is high

☒ 2. Gas does not react with solvent

☒ 3.

The gas does not undergo dissociation or association

☒ 4. Temperature is high

Q.7 An amphoteric oxide of a metalloid present in 15th group. The possible electronic configuration of that metalloid is:

Question ID : 16794317095

Ans ☒ 1. $[\text{Ar}]3d^{10}4s^24p^3$

☒ 2. $[\text{He}]2s^22p^3$

☒ 3. $[\text{Ne}]3s^23p^3$

☒ 4. $[\text{Xe}]4f^{14}5d^{10}6s^26p^3$

Q.8 Leaching method is suitable for the concentration of the following ore:

Question ID : 16794317102

Ans ☒ 1. Calamine

☒ 2. Cinnabar

☒ 3. Cassiterite

☒ 4. Argentite

Q.9 $\text{Ag}^{+2} + \text{Ag} \rightarrow 2\text{Ag}^+$ is an example of:

Question ID : 16794317101

Ans ☒ 1. Precipitation reaction

☒ 2. Disproportionation reaction

☒ 3. Comproportionation reaction

☒ 4. Displacement reaction

Q.10 The correct order of electronegativity among the following is:

Question ID : 16794317096

Ans ☒ 1. $\text{C} > \text{Pb} > \text{Si} = \text{Ge} = \text{Sn}$

☒ 2. $\text{N} > \text{P} > \text{As} > \text{Sb}$

☒ 3. $\text{O} > \text{S} > \text{Se} > \text{Te} > \text{Po}$

☒ 4. $\text{B} > \text{Tl} > \text{In} > \text{Ga} > \text{Al}$

Q.11 Solubility of potassium chloride in water is due to:

Question ID : 16794317090

- Ans ☒ 1. Ion-dipole interactions
☒ 2. London forces
☒ 3. Ion-induced dipole interactions
☒ 4. Dipole-dipole interactions

Q.12 A radioactive nucleus (Parent) emits one alpha and two beta particles, then the daughter nucleus is:

Question ID : 16794317093

- Ans ☒ 1. Isodiapher
☒ 2. Isobar
☒ 3. Isotope
☒ 4. Isotone

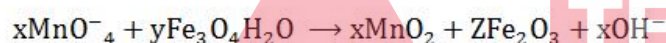
Q.13 The correct order of first ionization values of Na, Mg, Al, Si in KJ mol⁻¹ is:

Question ID : 16794317097

- Ans ☒ 1. 575, 496, 737, 786
☒ 2. 496, 737, 786, 575
☒ 3. 496, 575, 737, 786
☒ 4. 496, 737, 575, 786

Q.14 Identify the x, y, z in the following reaction after balancing.

Question ID : 16794317100



- Ans ☒ 1. 3, 4, 6
☒ 2. 2, 6, 9
☒ 3. 3, 6, 4
☒ 4. 2, 9, 6

Q.15 The reaction that takes place at anode during corrosion of Iron is:

Question ID : 16794317104

- Ans ☒ 1. $\text{O}_2 + 2\text{H}_2\text{O} + 4\text{e}^- \rightarrow 4\text{OH}^-$
☒ 2. $\text{Fe}^{+3} + \text{e}^- \rightarrow \text{Fe}^{+2}$
☒ 3. $2\text{Fe} + \text{O}_2 + 2\text{H}_2\text{O} \rightarrow 2\text{Fe}(\text{OH})_2$
☒ 4. $\text{Fe} \rightarrow \text{Fe}^{+2} + 2\text{e}^-$

Q.16 $\text{CH}_3\text{CH}_2\text{CH}_2\text{Cl} + \text{alc. KOH} \xrightarrow{\Delta} \text{CH}_3\text{CH}=\text{CH}_2 + \text{KCl} + \text{H}_2\text{O}$

Question ID : 16794317106

- Ans ☒ 1. Electrophilic substitution & elimination
☒ 2. Nucleophilic substitution & elimination
☒ 3. Only electrophilic reaction
☒ 4. Only nucleophilic reaction

Q.17 Shape & type of hybridization found in methylium (C^+H_3) ion are:

Question ID : 16794317105

- Ans ☒ 1. Trigonal pyramidal & sp^2

- ✓ 2. Trigonal planar & sp^2
- ✗ 3. Trigonal pyramidal & sp^3
- ✗ 4. Trigonal planar & sp^3

Q.18 Micelles in aqueous solution above critical micelle concentration are formed by:

Question ID : 16794317107

- Ans ✗ 1. $(NH_2)_2CO$
- ✓ 2. $C_{17}H_{35}COONa$
- ✗ 3. $HOCH_2 - CH_2OH$
- ✗ 4. $C_{12}H_{22}O_{11}$

Q.19 A crystalline hydrated salt on heating gives a residue 44.1% of its mass. The formula of that salt is:

Question ID : 16794317092

- Ans ✗ 1. $Na_2SO_4 \cdot 7H_2O$
- ✓ 2. $Na_2SO_4 \cdot 10H_2O$
- ✗ 3. $Na_2SO_4 \cdot 2H_2O$
- ✗ 4. $Na_2SO_4 \cdot 5H_2O$

Q.20 Phenolphthalein is not a suitable indicator for the titration between _____ and _____

Question ID : 16794317098

- Ans ✗ 1. $NaOH ; CH_3COOH$
- ✗ 2. $Ba(OH)_2 ; H_2SO_4$
- ✗ 3. $NaOH ; HCl$
- ✓ 4. Oxalic acid ; acidified not $KMnO_4$

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Section : Subject Related

Q.1 Identify the pair of elastomers among the following.

Question ID : 16794317113

- Ans ✗ 1. Neoprene, Nylon-6
- ✗ 2. Nylon 6, 6 & Nylon-2 Nylon -6
- ✗ 3. Poly acrylonitrile, Teflon
- ✓ 4. Buna-N, Buna-S

Q.2 An object is 10.64 km below the sea level. A research team sends down a sonar signal to confirm this depth. After how long can it expect to get the echo? Take speed of sound in sea water = 1520 m/s.

Question ID : 16794317128

- Ans ✗ 1. 21 s
- ✗ 2. 7 s
- ✓ 3. 14 s
- ✗ 4. 3.5 s

Q.3 A car takes 20 s to stop after the application of the brakes. The distance it travels during this interval if brakes produce a retardation of 0.6 m/s^2 is:

Question ID : 16794317115

- Ans ✗ 1. 240 m
- ✓ 2. 120 m

- ☒ 3. 60 m
- ☒ 4. 360 m

Q.4 A piece of brass (alloy of copper and zinc) weighs 12.9 g in air. When completely immersed in water weighs 11.3 g. What is the mass of copper contained in the alloy? Specific gravities of copper and zinc are 8.9 and 7.1 respectively.

Question ID : 16794317126

- Ans ☒ 1. 6.7 gm
- ☒ 2. 7.6 gm
- ☒ 3. 4.6 gm
- ☒ 4. 5.6 gm

Q.5 The work done by a person in carrying a box of mass 15 kg through a vertical height of 5 m is 5000 J. The mass of the person is _____. Take $g = 10 \text{ m/s}^2$.

Question ID : 16794317122

- Ans ☒ 1. 95 kg
- ☒ 2. 45 kg
- ☒ 3. 65 kg
- ☒ 4. 85 kg

Q.6 Which of the following alcohol gives turbidity very soon with Lucas reagent?

Question ID : 16794317110

- Ans ☒ 1. $\text{C}_3\text{H}_7\text{OH}$
- ☒ 2. $(\text{CH}_3)_2\text{CHOH}$
- ☒ 3. $(\text{CH}_3)_3\text{COH}$
- ☒ 4. $\text{CH}_3(\text{CH}_2)_3\text{OH}$

Q.7 Water is not polluted by:

Question ID : 16794317111

- Ans ☒ 1. Rodenticides
- ☒ 2. Pesticides
- ☒ 3. Microorganisms
- ☒ 4. Herbicides

Q.8 The force of attraction between two bodies separated by a distance of d is F . The distance for which the force of attraction between them is $64 F$ is _____.

Question ID : 16794317123

- Ans ☒ 1. $d/6$
- ☒ 2. d
- ☒ 3. $d/4$
- ☒ 4. $d/8$

Q.9 A concave mirror having a radius of curvature 40 cm is placed in front of an illuminated point source at a distance of 30 cm from it. Find the location of the image.

Question ID : 16794317129

- Ans ☒ 1. 50 cm from the mirror on the side of the object
- ☒ 2. 60 cm from the mirror on the side of the object
- ☒ 3. 30 cm from the mirror on the side of the object

X 4.

40 cm from the mirror on the side of the object

Q.10 What is the force required to produce an acceleration of 9.8 m/s^2 on a body of weight 9.8 N ? Take $g = 9.8 \text{ m/s}^2$.

Question ID : 16794317119

- Ans
- X 1. 1N
 - ✓ 2. 9.8N
 - X 3. 4.9N
 - X 4. 19.6N

Q.11 Water drops fall from the nozzle of a shower 5 m high on to the floor. The drops are released at regular intervals of time such that the first drop reaches the ground when sixth drop is released from the nozzle. Taking $g = 10 \text{ m/s}^2$. What is the height of the fourth drop from the ground?

Question ID : 16794317124

- Ans
- X 1. 1.8 m
 - ✓ 2. 4.2 m
 - X 3. 2.6 m
 - X 4. 3.4 m

Q.12 A boy stands 83 m in front of a high wall and then blows a whistle, calculate the time interval when he hears an echo. Speed of sound is 332 m/s .

Question ID : 16794317127

- Ans
- X 1. 2.0 s
 - ✓ 2. 0.5 s
 - X 3. 1.0 s
 - X 4. 2.5 s

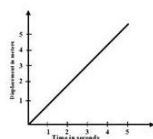
Q.13 A sphere of mass 2 kg strikes another sphere of mass 3 kg at rest with a velocity of 5 m/s. If they move together after collision, what is their common velocity?

Question ID : 16794317120

- Ans
- X 1. 5 m/s
 - X 2. 6 m/s
 - X 3. 1 m/s
 - ✓ 4. 2 m/s

Q.14 Displacement-time graph of a moving body is shown in figure. How much force is acting on the body?

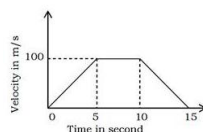
Question ID : 16794317118



- Ans
- X 1. 12.5 N
 - ✓ 2. zero
 - X 3. 25 N
 - X 4. 5 N

Q.15 The velocity-time graph for a car moving in a straight line is shown below, the total distance covered by the body is:

Question ID : 16794317117



- Ans
- ✓ 1. 1000 m
 - X 2. 10 m
 - X 3. 100 m

☒ 4. Zero

Q.16 Identify the Soap less soap among the following.

Question ID : 16794317114

Ans ☒ 1. Medicated soap

☒ 2. Toilet soap

☒ 3. Glycerine soap

☒ 4. Laundry soap

Q.17 Water is mostly treated with chlorine:

Question ID : 16794317112

Ans ☒ 1. To kill harmful micro-organisms

☒ 2. To decrease BOD

☒ 3. To decrease COD

☒ 4. To increase DO

Q.18 A ball is thrown vertically up with a velocity 20 m/s. At what height will its kinetic energy be half its original value?

Question ID : 16794317121

Ans ☒ 1. 5 m

☒ 2. 20 m

☒ 3. 10 m

☒ 4. 15 m

Q.19 A solid weighs 50 gf in air and 44 gf in liquid of relative density 0.90 when completely immersed. Find the density of the solid.

Question ID : 16794317125

Ans ☒ 1. 5.5 gm/cm³

☒ 2. 7.5 gm/cm³

☒ 3. 4.5 gm/cm³

☒ 4. 6.5 gm/cm³

Q.20 A car covers the first half of the distance between two places at a speed of 40 km/hr and the second half at 60 km/hr. What is the average speed of the car?

Question ID : 16794317116

Ans ☒ 1. 50 km/hr

☒ 2. 48 km/hr

☒ 3. 100 km/hr

☒ 4. 60 km/hr

Section : Subject Related

Q.1 A nearsighted person cannot clearly see beyond 200 cm. Find the power of the lens needed to see objects at large distances.

Question ID : 16794317138

Ans ☒ 1. +0.5 D

☒ 2. -0.5 D

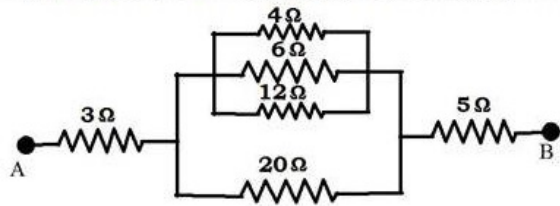
☒ 3. +1.5 D

☒ 4. -1.5 D

Q.2

Find the effective resistance between A and B in the given Fig.

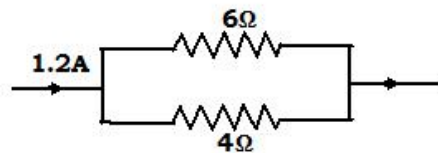
Question ID : 16794317136



- Ans ☒ 1. 9.82Ω
☒ 2. 7.82Ω
☒ 3. 5.82Ω
☒ 4. 3.82Ω

Q.3 In Fig. the current passing through the 6 ohm resistor is:

Question ID : 16794317137



- Ans ☒ 1. 0.48 A
☒ 2. 0.36 A
☒ 3. 0.24 A
☒ 4. 0.12 A

Q.4 Which of the following (referred to a spherical mirror) depend on whether the rays are paraxial or not?

Question ID : 16794317130

- Ans ☒ 1. Pole
☒ 2. Focus
☒ 3. Principal axis
☒ 4. Radius of curvature

Q.5 A convex lens is made of a material having refractive index 1.2. Both the surfaces of the lens are convex. If it is dipped into water ($\mu = 1.33$), it will behave like:

Question ID : 16794317134

- Ans ☒ 1. a rectangular slab
☒ 2. a prism
☒ 3. a divergent lens
☒ 4. a convergent lens

Q.6 A point object is placed at a distance of 15 cm on the principle axis of a convex lens of focal length 12 cm. On the other side of the lens, a convex mirror is placed at a distance of 20 cm from the lens such that the image formed by the combination coincides with the object itself. The focal length of the convex mirror is:

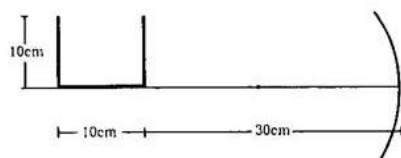
Question ID : 16794317135

- Ans ☒ 1. 60 cm
☒ 2. 40 cm
☒ 3. 15 cm
☒ 4. 20 cm

Q.7

Question ID : 16794317131

A U - shaped wire is placed before a concave mirror having radius of curvature 20 cm as shown in figure. Find the total length of the image.



- Ans
- ☒ 1. 10 cm
 - ☐ 2. 40 cm
 - ☐ 3. 20 cm
 - ☐ 4. 30 cm

Q.8 A positively charged particle projected towards east is deflected towards north by a magnetic field. The field may be:

Question ID : 16794317139

- Ans
- ☐ 1. upward
 - ☐ 2. towards west
 - ☒ 3. downward
 - ☐ 4. towards south

Q.9 What is speed of light in diamond of refractive index 2.4, if the velocity of light in air is 3×10^8 m/s?

Question ID : 16794317132

- Ans
- ☐ 1. 1.75×10^8 m/s
 - ☐ 2. 0.25×10^8 m/s
 - ☒ 3. 1.25×10^8 m/s
 - ☐ 4. 2.25×10^8 m/s

Q.10 A ray of light is moving from air into medium. If the angle of incidence in air is 45° and angle of refraction is 30° , then find the refractive index of the medium.

Question ID : 16794317133

- Ans
- ☒ 1. $\sqrt{2}$
 - ☐ 2. $\sqrt{5}$
 - ☐ 3. $\sqrt{4}$
 - ☐ 4. $\sqrt{3}$

Q.11 Self evaluation in art education refers to which of the following?

Question ID : 16794317147

- Ans
- ☐ 1. Teacher evaluated by the academic incharge
 - ☐ 2. Teacher evaluating student performance
 - ☒ 3. Teacher reflecting on his/her competency of art evaluation
 - ☐ 4. Teacher responding to student performances

Q.12 Babri Masjid incident is a classic example of which of the following?

Question ID : 16794317141

- Ans
- ☐ 1. Linguism
 - ☐ 2. Regionalism
 - ☐ 3. Caste-ism

Q.13 Human language unlike that of animals, is organized in two layers and this technically called:

Question ID : 16794317145

Choose the right option.

- Ans
- ✓ 1. Double articulation
 - ✗ 2. Layered articulation
 - ✗ 3. Dual sound
 - ✗ 4. Single sound

Q.14 Identify the symbol that is not a part of the mathematical language.

Question ID : 16794317143

- Ans
- ✗ 1. \geq
 - ✓ 2. \in
 - ✗ 3. \div
 - ✗ 4. \neq

Q.15 What is the significant and key factor in the ecosystem?

Question ID : 16794317148

- Ans
- ✓ 1. Energy flow
 - ✗ 2. Autotrophs
 - ✗ 3. Plants
 - ✗ 4. Soil

Q.16 "Readers look at the organization of the text and ideas without relating it to their prior knowledge or experience" which of the reading models does this define?

Question ID : 16794317146

- Ans
- ✗ 1. Lateral
 - ✗ 2. Interactive
 - ✗ 3. Top-down
 - ✓ 4. Bottom-up

Q.17 When students with special education needs are made to fit into the pre-existing school structure, is called:

Question ID : 16794317144

Choose the right answer from the options below.

- Ans
- ✗ 1. Special education
 - ✓ 2. Integrated education
 - ✗ 3. Remedial education
 - ✗ 4. General education

Q.18 The process of augmenting the same type of skills from that were to begin with is called:

Question ID : 16794317140

Choose the correct response from the option below.

- Ans
- ✗ 1. Unexpected learning
 - ✗ 2. Discontinuous learning
 - ✗ 3. Expected learning
 - ✓ 4. Continuous learning

Q.19 Learning is a complex process that leads to what type of growth in individuals?

Question ID : 16794317142

- Ans
- ☒ 1. Physical
 - ☒ 2. Ecological
 - ☒ 3. Physiological
 - ☒ 4. Mental

Q.20 Teacher prepares for the lesson with variety of resources and strategies, but with no particular learner in mind. Which of the classrooms does this describe?

Question ID : 16794317149

- Ans
- ☒ 1. Common classroom
 - ☒ 2. Vocational classroom
 - ☒ 3. Inclusive classroom
 - ☒ 4. Integrated classroom



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