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Subject:	JUNIOR TECHNICIAN TRAINEE ELECTRICAL

Section : Discipline

Q.1 विद्युत् से लगी आग का शमन केवल _____ द्वारा ही करना चाहिए।

- Ans 1. फ़ोम के प्रकार के अग्निशामक
 2. कार्बन टेट्राक्लोराइड अग्निशामक के प्रयोग
 3. जल के प्रयोग
 4. सोडा अम्ल प्रकार के अग्निशामक के प्रयोग

Question ID : 6044818751

Status : Answered

Chosen Option : 2

Q.2 लौह प्रकार के गतिशील उपकरणों का प्रयोग _____ के लिए किया जाता है।

- Ans 1. न तो प्रत्यावर्ती धारा (AC) और न ही दिष्ट धारा (DC) की आपूर्ति
 2. केवल दिष्ट धारा (DC) आपूर्ति
 3. प्रत्यावर्ती धारा (AC) और दिष्ट धारा (DC) दोनों की आपूर्ति
 4. केवल प्रत्यावर्ती धारा (AC) आपूर्ति

Question ID : 6044818781

Status : Answered

Chosen Option : 3

Q.3 एक संवाहक (कंडक्टर) का गुण जो इसके माध्यम से धारा के प्रवाह का विरोध करता है, उसे _____ कहा जाता है:

- Ans 1. वोल्टेज
 2. प्रवाहकत्व
 3. धारा
 4. प्रतिरोध

Question ID : 6044818676

Status : Answered

Chosen Option : 4

Q.4 10 HP की शक्ति वाली एक प्रेरण मोटर के लिए, प्रेरण मोटर प्रारंभक (स्टार्टर) _____ होगा:

- Ans 1. प्रत्यक्ष ऑनलाइन प्रारंभक (डायरेक्ट ऑनलाइन/ डी.ओ.एल./ स्टार्टर)
 2. स्वतः परिवर्तक प्रारंभक (ऑटो ट्रांसफॉर्मर स्टार्टर)
 3. प्रतिरोध प्रकार प्रारंभक (रेज़िस्टेंस टाइप स्टार्टर)
 4. तारा (स्टार) प्रारंभक (स्टार - डेल्टा स्टार्टर)

Question ID : 6044818735

Status : Answered

Chosen Option : 4

Q.5 किसी लोड के बंद करने पर चिंगारी उत्पन्न होती है क्योंकि, परिपथ में उच्च _____ होता/होती है।

- Ans 1. प्रतिबाधा

Question ID : 6044818766

Status : Answered

2. प्रेरकत्व

3. धारिता

4. प्रतिरोध

Chosen Option : 2

Q.6 भूमिगत नलिकाओं में तार लगाने (कंड्यूट पाइप वायरिंग) का दूसरा नाम क्या है?

Ans 1. ओपन वायरिंग

2. डक्ट वायरिंग या कंसील्ड वायरिंग

3. बुडेन केसिंग-कैपिंग वायरिंग

4. लेड शीथेड वायरिंग

Question ID : 6044818705

Status : Answered

Chosen Option : 2

Q.7 एक सी.आर.ओ. में, स्क्रीन में 10 ms के स्वीप समय के साथ, अनुमानित आरा दंत आवृत्ति (सॉटूथ फ्रीक्वेंसी) होगी।

Ans 1. 500 Hz

2. 1 kHz

3. 100 Hz

4. 50 Hz

Question ID : 6044818775

Status : Answered

Chosen Option : 3

Q.8 एम्पीयर मीटर और वोल्ट मीटर की सीमा के विस्तार के लिए, प्रतिरोध को _____ में एम्पीयर मीटर और _____ में वोल्ट मीटर के रूप में संयोजित किया जाता है।

Ans 1. श्रृंखला, श्रृंखला

2. समांतर, समांतर

3. श्रृंखला, समांतर

4. समांतर, श्रृंखला

Question ID : 6044818725

Status : Answered

Chosen Option : 4

Q.9 एक चुंबकीय परिपथ में चुंबकीय क्षमता का मापन _____ के रूप में किया जाता है।

Ans 1. फैराड

2. एम.एम.एफ.

3. हेनरी

4. कूलॉम

Question ID : 6044818765

Status : Answered

Chosen Option : 2

Q.10 132 kV संचरण (ट्रांसमिशन) लाइन्स में किस प्रकार के रोधन का प्रयोग किया जाता है?

Ans 1. पिन और शैकल प्रकार के

2. डिस्क प्रकार के

3. पिन प्रकार के

4. शैकल प्रकार के

Question ID : 6044818789

Status : Answered

Chosen Option : 2

Q.11 स्थायी चुंबक गतिशील कुंडली उपकरणों का प्रयोग केवल _____ आपूर्ति के साथ किया जाता है।

Ans 1. दिष्ट धारा (डीसी)

2. प्रत्यावर्ती धारा (एसी)

3. विद्युत्

4. स्पंदनकारी (पल्सेटिंग)

Question ID : 6044818723

Status : Answered

Chosen Option : 1

Q.12 तीन प्रावस्थाओं वाली आपूर्ति को _____ की सहायता से दो प्रावस्थाओं वाली आपूर्ति में परिवर्तित किया जा सकता है:

- Ans
- 1. स्टार-डेल्टा संयोजन
 - 2. V-V संयोजन
 - 3. मुख्य स्विच
 - 4. स्काट संयोजन

Question ID : 6044818713

Status : Answered

Chosen Option : 4

Q.13 भूमि रिसाव (अर्थ लीकेज) परिपथ वियोजक (सर्किट ब्रेकर) को _____ भी कहा जाता है:

- Ans
- 1. अवशेष धारा परिपथ वियोजक (रेज़िडुअल करंट सर्किट ब्रेकर)
 - 2. ढलवाँ साँचा परिपथ वियोजक (मोलडेड केस सर्किट ब्रेकर)
 - 3. तेल परिपथ वियोजक (ऑएल सर्किट ब्रेकर)
 - 4. लघु परिपथ वियोजक (मिनिएचर सर्किट ब्रेकर)

Question ID : 6044818708

Status : Answered

Chosen Option : 1

Q.14 अपकेंद्री स्विच अधिकतम गति के _____ पर वियोजित हो जाता है।

- Ans
- 1. 75%
 - 2. 25%
 - 3. 90%
 - 4. 50%

Question ID : 6044818740

Status : Answered

Chosen Option : 1

Q.15 पिन वाइस का प्रयोग निम्नलिखित में से किस के लिए किया जाता है?

- Ans
- 1. बहुत कम तापमान वाली वस्तुओं को धारण करने के लिए
 - 2. पिन जैसी बहुत छोटी वस्तुओं को धारण करने के लिए
 - 3. बोल्ट्स जैसी बड़ी वस्तुओं को धारण करने के लिए
 - 4. अत्यधिक उच्च तापमान वाली वस्तुओं को धारण करने के लिए

Question ID : 6044818753

Status : Answered

Chosen Option : 2

Q.16 एक त्रि-प्रावस्था स्विचरल-केज प्रेरण को _____ द्वारा आरंभ किया जा सकता है।

- Ans
- 1. प्रतिरोध आरंभक (स्टार्टर)
 - 2. डी.ओ.एल.(DOL) और स्टार-डेल्टा दोनों
 - 3. DOL स्टार्टर
 - 4. स्टार-डेल्टा starter

Question ID : 6044818783

Status : Answered

Chosen Option : 2

Q.17 शुष्क सेल में प्रयोग किया जाने वाला विद्युत्-अपघट्य (इलेक्ट्रोलाइट) _____ है।

- Ans
- 1. तनु सल्फ्यूरिक अम्ल
 - 2. तनु हाइड्रोक्लोरिक अम्ल
 - 3. अमोनियम क्लोराइड

Question ID : 6044818687

Status : Answered

Chosen Option : 1

X 4. मैंगनीशियम क्लोराइड

Q.18 एक विद्युताग्र (इलेक्ट्रोड) के ऊपर जमा सामग्री का द्रव्यमान _____ होता है।

Ans X 1. वोल्टेज के समानुपातिक

✓ 2.

विद्युत् के परिमाण के समानुपातिक और विद्युत् रसायन के समतुल्य

X 3. केवल विद्युत् धारा के समानुपातिक

X 4. केवल समय के समानुपातिक

Question ID : 6044818761

Status : Answered

Chosen Option : 2

Q.19 एक श्रृंखला परिपथ में, धारा कितनी दिशाओं में बहती है।

Ans ✓ 1. 1

X 2. 3

X 3. 2

X 4. 4

Question ID : 6044818683

Status : Answered

Chosen Option : 1

Q.20 कितनी भी संस्थापना के लघु परिपथ (शॉर्ट सर्किट) परीक्षण में, लघु परिपथ (शॉर्ट सर्किट) की स्थिति में मेजर पाठ्यांक (रीडिंग) क्या होना चाहिए?

Ans X 1. 10000 Ω

X 2. 1000 Ω

✓ 3. शून्य

X 4. इकाई

Question ID : 6044818706

Status : Answered

Chosen Option : 3

Q.21 मुख्य क्षेत्र प्रवाह (फ्लक्स) पर आर्मेचर प्रवाह (फ्लक्स) के प्रभाव को क्या कहा जाता है?

Ans X 1. शैथिल्य (हिस्टेरेसिस)

✓ 2. आर्मेचर प्रतिक्रिया

X 3. भ्रंवर धारा प्रतिक्रिया

X 4. उद्दीपन

Question ID : 6044818697

Status : Answered

Chosen Option : 2

Q.22 सौर दीप के लिए किस प्रकार के दीपों को प्रयोग करने के लिए वरीयता दी जाती है?

Ans ✓ 1. एल.ई.डी. (LED)

X 2. टंगस्टन तंतु (टंगस्टन फ़िलामेंट)

X 3. सोडियम वाष्प दीप

X 4. चाप दीप (आर्क लैंप)

Question ID : 6044818728

Status : Answered

Chosen Option : 1

Q.23 CRO का सही पूर्ण रूप निम्नलिखित में से कौन सा है?

Ans X 1.

कैपिटल रे ऑसिलोस्कोप (प्रधान किरण दोलनदर्शी)

X 2. कैथोड रे आउटपुट (ऋणाग्र किरण निर्गम)

X 3.

करंट रे ऑसिलोस्कोप (धारा किरण दोलनदर्शी)

✓ 4.

Question ID : 6044818726

Status : Answered

Chosen Option : 4

कैथोड रे ऑसिलोस्कोप (ऋणाग्र किरण दोलनदर्शी)

Q.24 तरंग परिवेष्टन में "A" के समांतर कितने पथ हैं?

- Ans
- 1. A = 6
 - 2. A = 4
 - 3. A = 8
 - 4. A = 2

Question ID : 6044818731
Status : Answered
Chosen Option : 4

Q.25 विद्युत् मिश्रक (इलेक्ट्रिक मिक्सर) में किस प्रकार की मोटर का प्रयोग किया जाता है?

- Ans
- 1. विपाटित प्रावस्था (स्प्लिट फ़ेज़) मोटर
 - 2. ताम्र-छल्ला युक्त (शेडेड) ध्रुव मोटर
 - 3. स्थायी संधारित्र मोटर
 - 4. सार्वभौमिक (यूनिवर्सल) मोटर

Question ID : 6044818742
Status : Answered
Chosen Option : 4

Q.26 किट-कैट फ़्यूज़ किस से निर्मित होते हैं?

- Ans
- 1. पोर्सिलेन
 - 2. फ़ाइबर
 - 3. पी.वी.सी. (PVC)
 - 4. पीतल (ब्रास)

Question ID : 6044818746
Status : Answered
Chosen Option : 1

Q.27 परिणामित्र (ट्रांसफ़ॉर्मर) का प्रयोग _____ के मान को परिवर्तित करने के लिए किया जाता है।

- Ans
- 1. आवृत्ति
 - 2. शक्ति गुणांक
 - 3. शक्ति
 - 4. वोल्टेज

Question ID : 6044818774
Status : Answered
Chosen Option : 4

Q.28 Which type of bulb is used in a line tester?

- Ans
- 1. Halogen bulb
 - 2. Neon bulb
 - 3. Yellow bulb
 - 4. Bayonet cap (BC) bulb

Question ID : 6044818672
Status : Answered
Chosen Option : 2

Q.29 ए.सी. परिवेष्टन (AC वाइंडिंग) में, चार ध्रुव वाली मोटर में 24 चांचेदार स्थान (स्लॉट) होते हैं। ध्रुव (पोल) विच का मान क्या होगा?

- Ans
- 1. 6
 - 2. 16
 - 3. 4
 - 4. 10

Question ID : 6044818729
Status : Answered
Chosen Option : 1

Q.30 LT केबल के रोधन का परीक्षण _____ के वोल्टेज पर किया जाता है:

- Ans
- 1. 1100 V
 - 2. 22 KV

Question ID : 6044818680
Status : Answered
Chosen Option : 1

3. 600 V

4. 33 KV

Q.31 प्रेरण मोटर्स में ,प्रतिशत अंतर (स्लिप) _____ की सीमा में पाया जाता है।

Ans 1. 1-100%

2. 5-10%

3. 1-10%

4. 1-5%

Question ID : 6044818739

Status : Answered

Chosen Option : 4

Q.32 दिष्ट धारा (डीसी) मोटर स्टार्टर्स के कितने प्रकार होते हैं?

Ans 1. 3

2. 2

3. 1

4. 4

Question ID : 6044818703

Status : Answered

Chosen Option : 1

Q.33 The current coil of single-phase energy meter is wound on:

Ans 1. the centre of the limb on the laminated core

2.

both the limbs of the laminated core with same number of turns

3. one limb of the laminated core

4.

both the limbs of the laminated core with different turns

Question ID : 6044818778

Status : Answered

Chosen Option : 2

Q.34 Potential transformer is which type of transformer?

Ans 1. Step up transformer

2. Step down transformer

3. Low voltage transformer

4. Auto-transformer

Question ID : 6044818715

Status : Answered

Chosen Option : 2

Q.35 वायुमंडल की भौतिक स्थिति, संवाहक की सतह की स्थिति, और संवाहक और लाइन वोल्टेज मानों के बीच की दूरी के उत्पाद के लिए उत्तरदायी हैं।

Ans 1. ऊष्मा प्रभाव

2. कोरोना

3. त्वचा प्रभाव

4. निकटता प्रभाव

Question ID : 6044818749

Status : Answered

Chosen Option : 2

Q.36 स्थायी संधारित्र मोटर का प्रयोग किस के लिए किया जाता है?

Ans 1.

छेद करने वाली मशीन (ड्रिल मशीन) के लिए

2.

छत वाले पंखे और मेज़ वाले पंखे (सीलिंग फैन और टेबल फैन) के लिए

3.

कपड़े धोने वाली मशीन (वॉशिंग मशीन) के लिए

4. पीसने वाली मशीन (ग्राइंडर) के लिए

Question ID : 6044818741

Status : Answered

Chosen Option : 2

Q.37 निम्नलिखित में से किस वस्तु का तापमान गुणांक (कोएफिशियंट) शून्य के आस-पास होता है?

Question ID : 6044818759

- Ans
- 1. एल्युमिनियम
 - 2. कार्बन
 - 3. मैंगनीज़
 - 4. लौह

Status : Answered
Chosen Option : 3

Q.38 नि-प्रावस्था प्रेरण मोटर में, द्वि-पिंजर (डबल केज) रोटर का प्रयोग किस के लिए किया जाता है?

- Ans
- 1. उच्च प्रारंभिक धारा
 - 2. निम्न प्रारंभिक धारा
 - 3. निम्न प्रारंभिक बलाघूर्ण (टार्क)
 - 4. उच्च प्रारंभिक बलाघूर्ण (टार्क)

Question ID : 6044818734
Status : Answered
Chosen Option : 4

Q.39 निम्नलिखित में से क्या स्क्वियर-केज प्रेरण मोटर का एक भाग नहीं है?

- Ans
- 1. कार्बन ब्रशेज़
 - 2. ईशा (शैफ्ट)
 - 3. रोटर
 - 4. स्टेटर

Question ID : 6044818785
Status : Answered
Chosen Option : 1

Q.40 कर्षण कार्य के लिए, किस मोटर का प्रयोग किया जाता है?

- Ans
- 1. प्रेरण (इंडक्शन) मोटर का
 - 2. दिष्ट धारा (डीसी) श्रृंखला मोटर का
 - 3. दिष्ट धारा (डीसी) यौगिक मोटर का
 - 4. तुल्यकालिक (सिंक्रोनस) मोटर का

Question ID : 6044818699
Status : Answered
Chosen Option : 2

Q.41 The range of an ammeter may be extended by the use of a:

- Ans
- 1. shunt in series
 - 2. shunt in parallel
 - 3. multiplier in series
 - 4. multiplier in parallel

Question ID : 6044818776
Status : Answered
Chosen Option : 2

Q.42 तांबे की परमाणु संख्या क्या है?

- Ans
- 1. 25
 - 2. 27
 - 3. 31
 - 4. 29

Question ID : 6044818675
Status : Answered
Chosen Option : 4

Q.43 एकल-प्रावस्थाप्रेरण मोटर के लिए ,अपकेंद्री स्विच _____ के साथ संयोजित होता है।

- Ans
- 1. प्रारंभिक वायरिंग से श्रृंखला
 - 2. समांतर वायरिंग से श्रृंखला
 - 3. रनिंग वायरिंग से समानांतर

Question ID : 6044818738
Status : Answered
Chosen Option : 1

X 4. मुख्य वायरिंग से श्रृंखला

Q.44 सामान्यतः, भारत में किस प्रकार की अर्थिंग का प्रयोग किया जाता है?

- Ans
- 1. पट्टिका (प्लेट) और नलिका (पाइप) अर्थिंग
 - 2. छड़ (रॉड) और नलिका (पाइप) अर्थिंग
 - 3. कुंडली और पट्टिका (प्लेट) अर्थिंग
 - 4. छड़ (रॉड) और कुंडली अर्थिंग

Question ID : 6044818707
Status : Answered
Chosen Option : 1

Q.45 सिलिकॉन, बोरॉन और जर्मेनियम किस प्रकार की सामग्रियाँ हैं?

- Ans
- 1. रोधक (इंसुलेटर)
 - 2. चालक (कंडक्टर)
 - 3. अर्द्ध-रोधक (सेमी-इंसुलेटर)
 - 4. अर्द्ध-चालक (सेमी-कंडक्टर)

Question ID : 6044818678
Status : Answered
Chosen Option : 4

Q.46 लेड-अम्ल बैटरी के एक सेल से आपूर्ति की जाने वाली वोल्टेज लगभग _____ होती है।

- Ans
- 1. लगभग 0.8 V
 - 2. लगभग 2 V
 - 3. लगभग 1.5 V
 - 4. लगभग 1.2 V

Question ID : 6044818762
Status : Answered
Chosen Option : 2

Q.47 तीन प्रावस्था वाले एक लेव-प्रशोधित शक्ति परिणामित्र में, उपकरण संरक्षक, आर्द्रता अवशोषक (बीट्टर), विस्फोट निकास मार्ग (वेंट) और बुकोज रिले _____ उपकरण हैं।

- Ans
- 1. चुंबकीय
 - 2. रक्षात्मक
 - 3. ऊष्मीकरण
 - 4. रासायनिक

Question ID : 6044818716
Status : Answered
Chosen Option : 2

Q.48 दिष्ट धारा (डीसी) मोटर की दिशा परिवर्तित करने के लिए, क्या करने की आवश्यकता होती है?

- Ans
- 1. क्षेत्र या आर्मेचर (कोई भी) का संयोजन विपरीत करें
 - 2. आपूर्ति तारों को परस्पर प्रतिस्थापित करने की
 - 3. दिशा परिवर्तित नहीं की जा सकती है
 - 4. क्षेत्र और आर्मेचर (दोनों) के संयोजन परिवर्तित करें

Question ID : 6044818700
Status : Answered
Chosen Option : 1

Q.49 एक तुल्यकालिक मोटर की गति "N" _____ द्वारा दर्शायी जाती है:

- Ans
- 1. $N = 120 p/f$
 - 2. $f * p / 120$
 - 3. $N = 120 f/p$

Question ID : 6044818732
Status : Answered
Chosen Option : 3

X 4. $N = 120 p$

Q.50 द्वि-पथी स्विचों का प्रयोग _____ किया जाता है:

- Ans
- X 1. औद्योगिक तारों (इंडस्ट्रियल वायरिंग) में
 - X 2. सड़क के तारों (रोड वायरिंग) में
 - X 3. उच्च धारा तारों (पावर वायरिंग) में
 - ✓ 4. सीढ़ियों के तारों (स्टेयर केस वायरिंग) में

Question ID : 6044818684
Status : Answered
Chosen Option : 4

Q.51 बैटरी आवेशित (चार्ज) करने के लिए किस प्रकार के दिष्ट धारा जनित्र का प्रयोग किया जाता है?

- Ans
- X 1. लंबा उपमार्ग यौगिक (लॉन्ग शंट कंपाउंड)
 - X 2. यौगिक
 - ✓ 3. उपमार्ग (शंट)
 - X 4. श्रृंखला

Question ID : 6044818696
Status : Answered
Chosen Option : 3

Q.52 शुष्क सेल में किस विद्युत् अपघट्य (इलेक्ट्रोलाइट) का प्रयोग किया जाता है?

- Ans
- X 1. NH_2O
 - ✓ 2. NH_4Cl
 - X 3. $CdSO_4$
 - X 4. H_2SO_4

Question ID : 6044818763
Status : Answered
Chosen Option : 4

Q.53 एक प्रत्यावर्तक _____ के नियम के आधार पर विद्युत् चुम्बकीय प्रेरण पर कार्य करता है।

- Ans
- X 1. एम्पीयर के
 - ✓ 2. फ़ैराडे के
 - X 3. ओहम के
 - X 4. लैज़ के

Question ID : 6044818718
Status : Answered
Chosen Option : 2

Q.54 The working principle of a transformer is:

- Ans
- X 1. Faraday's law
 - X 2. Ohm's law
 - X 3. Ampere law
 - ✓ 4. Mutual inductance

Question ID : 6044818714
Status : Answered
Chosen Option : 4

Q.55 उपमार्ग परिवेष्टन (शंट वाइंडिंग) का प्रतिरोध _____ होता है।

- Ans
- X 1. श्रृंखला परिवेष्टन प्रतिरोध से अधिक
 - X 2. श्रृंखला और आर्मचर प्रतिरोध से कम
 - ✓ 3. श्रृंखला और आर्मचर से अधिक
 - X 4. आर्मचर प्रतिरोध से अधिक

Question ID : 6044818769
Status : Answered
Chosen Option : 3

Q.56 दिष्ट धारा (डीसी) मोटर में स्टार्टर द्वारा किया गया कार्य क्या है?

Ans

Question ID : 6044818702
Status : Answered

- 1. प्रतिवर्ती विद्युत् वाहक बल को कम करना
- 2. आर्मेचर प्रतिरोध को कम करना
- 3. क्षेत्र परिपथ में प्रतिरोध में वृद्धि करना
- 4. प्रारंभिक धारा को नियंत्रित करना

Chosen Option : 4

Q.57 जल गर्म करने का साधन (गोजर), विद्युत्-इस्तरी (इलेक्ट्रिक आयरन) और तापक (हीटर) सभी _____ के सिद्धांत पर कार्य करते हैं:

- Ans
- 1. रासायनिक प्रभाव
 - 2. चुंबकीय प्रभाव
 - 3. ऊष्मा प्रभाव
 - 4. प्रकाश प्रभाव

Question ID : 6044818692

Status : Answered

Chosen Option : 3

Q.58 सार्वभौमिक (यूनिवर्सल) मोटर की गति का नियंत्रण _____ द्वारा प्राप्त किया जाता है।

- Ans
- 1. आरंभिक परिवेष्टन सहित अपकेंद्रीस्विच से संयोजित श्रृंखला
 - 2. समांतर रूप से संयोजित संधारित्र
 - 3. श्रृंखला में संयोजित संधारित्र
 - 4. टेप किये गए क्षेत्रीय परिवेष्टनों द्वारा क्षेत्रगत सतत परिवर्तन (फ्लक्स) के बढ़ाव-घटाव

Question ID : 6044818788

Status : Answered

Chosen Option : 4

Q.59 Which option represents the correct properties of a good insulator?

- Ans
- 1. Low die electric strength and high resistance
 - 2. High die electric strength and high resistance
 - 3. Low die electric strength and low resistance
 - 4. High die electric strength and low resistance

Question ID : 6044818677

Status : Answered

Chosen Option : 2

Q.60 एक नि-प्रावस्था धारावाही (लाइन) के एक संचालक तार (लाइन) पर बैठी चिड़िया _____

- Ans
- 1. को विद्युत् आघात लगता है किंतु वह मरती नहीं है
 - 2. को विद्युत् आघात लगता है और वह मर जाती है
 - 3. सुरक्षित होती है
 - 4. नीचे गिर जाती है

Question ID : 6044818750

Status : Answered

Chosen Option : 3

Q.61 Electrical measuring instruments are divided in three main parts, namely:

- Ans
- 1. Magnetic type, lighting type and recording type
 - 2. Lighting type, chemical type and integrating type
 - 3. Deflecting type, lighting type and integrating type

Question ID : 6044818721

Status : Answered

Chosen Option : 4

4.

Deflecting type, recording type and integrating type

Q.62 In a single-phase repulsion motor, the power factor is:

- Ans
- 1. high at low speed
 - 2. always unity
 - 3. always leading
 - 4. high at high speed

Question ID : 6044818786
Status : Answered
Chosen Option : 2

Q.63 How is pole pitch calculated?

- Ans
- 1. Number of slots / Number of poles
 - 2. Number of phases \times Number of poles
 - 3. Number of poles \times Number of frequencies
 - 4. Number of coils / Number of poles

Question ID : 6044818730
Status : Answered
Chosen Option : 1

Q.64 एच.आर.सी. (HRC) फ्र्यूज का क्या अर्थ है?

- Ans
- 1. हाई रनिंग कैपेसिटी फ्र्यूज (उच्च चालन (रनिंग) क्षमता वाला फ्र्यूज)
 - 2. हाई रपचरिंग कैपेसिटी फ्र्यूज (उच्च विदरण क्षमता वाला फ्र्यूज)
 - 3. हेवी रपचरिंग कैपेसिटी फ्र्यूज (अधिक विदरण क्षमता वाला फ्र्यूज)
 - 4. हाई रेजिस्टेंस कैपेसिटी फ्र्यूज (उच्च प्रतिरोध क्षमता वाला फ्र्यूज)

Question ID : 6044818747
Status : Answered
Chosen Option : 2

Q.65 हाइड्रोमीटर का प्रयोग सेल के _____ के परीक्षण हेतु किया जाता है।

- Ans
- 1. शक्ति
 - 2. विद्युत्
 - 3. आपेक्षिक घनत्व (स्पेसिफिक ग्रेविटी)
 - 4. वोल्टेज

Question ID : 6044818764
Status : Answered
Chosen Option : 3

Q.66 एक साइनवेव प्रत्यावर्ती धारा (AC) वोल्टेज का अधिकतम मान 10V है। इसके वर्ग माध्य मूल (rms) का मान क्या होगा?

- Ans
- 1. 7.070 V
 - 2. 6.060 V
 - 3. 14.140 V
 - 4. 1.414 V

Question ID : 6044818773
Status : Answered
Chosen Option : 3

Q.67 इलेक्ट्रॉन के प्रवाह को क्या कहा जाता है?

- Ans
- 1. प्रतिरोध
 - 2. आवृत्ति
 - 3. वोल्टेज

Question ID : 6044818674
Status : Answered
Chosen Option : 4

✓ 4. विद्युत् धारा

Q.68 प्रतिरोधक (रेजिस्टेंस) का रेसिप्रोकल _____ होता है।

Question ID : 6044818756

Status : Answered

Chosen Option : 4

Ans ✓ 1. कंडक्टेंस

✗ 2. ससेप्टेन्स

✗ 3. इम्पीडेन्स

✗ 4. रेअक्टेंस

Q.69 प्रतिरोध के मुद्रित और प्रभावी मूल्य के बीच के अंतर को क्या कहा जाता है?

Question ID : 6044818691

Status : Answered

Chosen Option : 3

Ans ✗ 1. निर्दिष्ट प्रतिरोध

✓ 2. सहनशीलता

✗ 3. शक्ति गुणांक

✗ 4. प्रतिरोधक (थर्मिस्टर्स)

Q.70 किसी भी दिष्ट धारा (DC) मशीन की सक्रियकारी कुंडलियों का परिवेष्टन _____ किया जाता है।

Question ID : 6044818768

Status : Answered

Chosen Option : 1

Ans ✗ 1. आर्मेचर खांचेदार स्थान (स्लॉट) में

✓ 2. ध्रुवों (पोल्स) के चारों ओर

✗ 3. पृथक रूप से

✗ 4. मशीन में

Q.71 एक ज्यावक्रीय (साइनसॉयडल) तरंग का स्वरूप गुणांक (फॉर्म फैक्टर) _____ होता है।

Question ID : 6044818771

Status : Answered

Chosen Option : 1

Ans ✓ 1. 1.11

✗ 2. 1.00

✗ 3. 2.22

✗ 4. 0.55

Q.72 ताम (तांबे) का एक तार, जिसकी धारा वहन करने की क्षमता ताम (तांबे) के एक अन्य दो गुना व्यास वाले तार से _____ होती है।

Question ID : 6044818760

Status : Answered

Chosen Option : 4

Ans ✗ 1. अधिकतम दोगुनी

✗ 2. अधिकतम तीन गुनी

✓ 3. अधिकतम चार गुनी

✗ 4. अधिकतम आधी

Q.73 विद्युत् संबंधी कार्यों में, प्रयुक्त किया जाने वाला सोल्डर वास्तव में सदैव सीसे (लेड) और _____ का मिश्रित धातु होता है।

Question ID : 6044818755

Status : Answered

Chosen Option : 2

Ans ✗ 1. एल्युमिनियम

✓ 2. टिन

✗ 3. ताम

✗ 4. लौह

Q.74 Winding of a generator has two ends. Winding of a three phase generator has a total of six ends. These ends can be connected in any one of two styles, namely:

Question ID : 6044818711

- Ans 1. Input and output
 2. Primary and secondary
 3. Star and delta
 4. Starting and running

Status : Answered
Chosen Option : 1

Q.75 ऐसा उपकरण जो विद्युत धारा (डी.सी.) आपूर्ति को प्रत्यावर्तक धारा (ए.सी.) आपूर्ति में परिवर्तित करता है, उसे _____ कहा जाता है।

- Ans 1. प्रतीपक (इन्वर्टर)
 2. मोटर जनित उपकरण (मोटर जेनरेटर सेट)
 3. परिशोधक (रेक्टिफायर)
 4. परिवर्तक (कन्वर्टर)

Question ID : 6044818744
Status : Answered
Chosen Option : 1

Q.76 आवरण (लैमिनेशन) की चौड़ाई लगभग _____ होती है।

- Ans 1. 10mm
 2. 5mm
 3. 0.5mm
 4. 2mm

Question ID : 6044818770
Status : Answered
Chosen Option : 3

Q.77 एक प्रत्यावर्तक का सही प्रावस्था अनुक्रम _____ होता है।

- Ans 1. पीला, काला और लाल
 2. लाल, नीला और पीला
 3. नीला, लाल और पीला
 4. लाल, पीला और नीला

Question ID : 6044818719
Status : Answered
Chosen Option : 4

Q.78 दिक परिणामित खंड (कम्प्यूटेड सेगमेंट) _____ की सहायता से एक-दूसरे से रोपित (इंजुलेटेड) किये जाते हैं।

- Ans 1. अभ्रक (माइका/MICA)
 2. लकड़ी
 3. तेल
 4. पी.वी.सी. (PVC)

Question ID : 6044818698
Status : Answered
Chosen Option : 1

Q.79 प्राथमिक चिकित्सा के मामले में, ABC प्रणाली के प्रारंभिक आद्याक्षरों का पूरा नाम क्या है?

- Ans 1.
वायु प्रणाली (एयरसिस्टम), श्वसन (ब्रीदिंग), वक्ष परिसंचरण (चेस्ट सर्कुलेशन)
 2.
वायुमार्ग, (एयर वे), श्वसन (ब्रीदिंग), वक्ष (चेस्ट)
 3.
वायुमार्ग (एयर वे), श्वसन (ब्रीदिंग), परिसंचरण (सर्कुलेशन)
 4.
वायुमार्ग (एयर वे), सांस (ब्रेथ), परिसंचरण (सर्कुलेशन)

Question ID : 6044818671
Status : Answered
Chosen Option : 3

Q.80 ACSR केबल (वायर) में ACSR का पूरा नाम क्या है?

- Ans 1.

Question ID : 6044818679
Status : Answered
Chosen Option : 4

एल्युमिनियम चालक अति प्रतिरोध (एल्युमिनियम कंडक्टर सुपर रेजिस्टेंस)

2.

एल्युमिनियम धारा इस्पात प्रबलित (एल्युमिनियम कर्बेंट स्टील रिइंफोर्स्ड)

3.

एल्युमिनियम चालक अति प्रबलित (एल्युमिनियम कंडक्टर सुपर रिइंफोर्स्ड)

4.

एल्युमिनियम चालक इस्पात प्रबलित (एल्युमिनियम कंडक्टर स्टील रिइंफोर्स्ड)

Q.81 एकल-प्रावस्था प्रेरण मोटर के लिए, प्रारंभिक और मुख्य (रनिंग) वायरिंग के बीच विद्युत् कोण क्या होगा?

Ans 1. 180°

2. 30°

3. 270°

4. 90°

Question ID : 6044818737

Status : Answered

Chosen Option : 4

Q.82 किसी भी विद्युत् मशीन में सामान्यतः कौन से दो मुख्य भाग होते हैं?

Ans 1. कार्बन ब्रश और रोटर

2.

मुख्य ध्रुव (मेन पोल) और अंतर ध्रुव (इंटरपोल)

3. स्टेटर और रोटर

4.

दिक् परिणामित्र (कम्प्यूटेटर) और अंतर ध्रुव (इंटरपोल)

Question ID : 6044818694

Status : Answered

Chosen Option : 3

Q.83 दिष्ट धारा जनित्र डी.सी. जेनरेटर का ई.एम.एफ. समीकरण क्या है?

Ans 1. $E=Q*N*Z*P/60*A$

2. $E=Q*N*Z*A/60*P$

3. $E=Q*N*Z*A/60$

4. $E=Q*N*Z/60*PA$

Question ID : 6044818695

Status : Answered

Chosen Option : 1

Q.84 किसी भी प्रेरण मोटर में, यदि ध्रुवों की संख्या दोगुनी हो जाती है, तो गति क्या होगी?

Ans 1. कोई परिवर्तन नहीं होगा।

2. आधी हो जाएगी

3. एक चौथाई हो जाएगी

4. दोगुनी हो जाएगी

Question ID : 6044818736

Status : Answered

Chosen Option : 2

Q.85 सेल की दक्षता पर विचार _____ में किया जा सकता है:

Ans 1. HP

2. KVA

3. AH

4. WATT

Question ID : 6044818688

Status : Answered

Chosen Option : 3

Q.86 In case the field of a synchronous motor is overexcited, the power factor will be:

Ans 1. Leading

2. Zero

Question ID : 6044818733

Status : Answered

Chosen Option : 1

- 3. Unity
- 4. Lagging

Q.87 Phase sequence indicator is used to identify phase sequence in a:

- Ans
- 1. Single-phase supply
 - 2. DC supply
 - 3. Three-phase supply
 - 4. Pulsating supply

Question ID : 6044818724
Status : Answered
Chosen Option : 3

Q.88 निम्न-प्रवस्था वाले प्रेरण (इंडक्शन) मोटर और प्रत्यावर्ती जनित्र (डीसी जेनरेटर) के संयोजन को क्या कहा जाता है?

- Ans
- 1. मोटर जनित्र युक्ति (मोटर जेनरेटर सेट) (MG SET)
 - 2. मोटर संघनित्र युक्ति (मोटर कंडेन्सर सेट)
 - 3. मोटर आवर्तित्र युक्ति (मोटर ऑल्टरनेटर सेट)
 - 4. प्रतीपक युक्ति (इन्वर्टर सेट)

Question ID : 6044818745
Status : Answered
Chosen Option : 1

Q.89 यूरेका तार (वायर) का प्रयोग _____ किया जाता है:

- Ans
- 1. परिवर्तनीय प्रतिरोध के रूप में
 - 2. उपरिगामी (ओवरहेड) तारों (लाइनों) में
 - 3. घरेलू वायरिंग में
 - 4. दीप के एक तंतु (लैंप फ़िलामेंट) के रूप में

Question ID : 6044818757
Status : Answered
Chosen Option : 1

Q.90 रोटर परिपथ में, प्रेरित विद्युत वाहक बल (ई.एम.एफ) की आवृत्ति _____ होती है।

- Ans
- 1. स्थिर स्थिति पर अधिकतम
 - 2. स्थिर स्थिति पर शून्य
 - 3. स्थिर स्थिति पर न्यूनतम
 - 4. तुल्यकालिक (सिंक्रोनस) गति पर अधिकतम

Question ID : 6044818784
Status : Answered
Chosen Option : 1

Q.91 In brushless alternator, there are two alternators on one shaft. Which are those?

- Ans
- 1. Series generator and shunt generator
 - 2. Exciter and series generator
 - 3. Main alternator and exciter
 - 4. Main alternator and series generator

Question ID : 6044818720
Status : Answered
Chosen Option : 3

Q.92 XLPE केबल में XLPE का पूर्ण स्वरूप क्या है?

- Ans
- 1. क्रॉस पॉलीविनाइल
 - 2. क्रॉस-लिंकड पॉलीथीन
 - 3. क्रॉस-लिंकड पॉलीएथिलीन

Question ID : 6044818758
Status : Answered
Chosen Option : 3

✗ 4. क्रॉस-लिंकड पॉलीविनाइल

Q.93 A / an ___ is used for the measurement of power at 500 MHz.

- Ans
- ✗ 1. Electrodynamometer wattmeter
 - ✗ 2. Compensated wattmeter
 - ✓ 3. Bolometer
 - ✗ 4. Low PF wattmeter

Question ID : 6044818779
Status : Answered
Chosen Option : 1

Q.94 निम्नलिखित में से किस उपकरण का प्रतिरोध निम्नतम होता है ?

- Ans
- ✗ 1. मेगर
 - ✗ 2. वोल्टमीटर
 - ✓ 3. अमीटर
 - ✗ 4. आवृत्ति मीटर

Question ID : 6044818780
Status : Answered
Chosen Option : 3

Q.95 यदि दिष्ट धारा (एसी) वोल्टेज का चरम मान 500V है, तो RMS मान क्या होगा?

- Ans
- ✗ 1. 500 V
 - ✗ 2. 400 V
 - ✓ 3. 353.5 V
 - ✗ 4. 550 V

Question ID : 6044818712
Status : Answered
Chosen Option : 3

Q.96 एक श्रृंखला परिपथ में, परिपथ का कुल प्रतिरोध (R) 100 Ω है; पहले दो प्रतिरोध 30 Ω और 50 Ω हैं। तीसरा प्रतिरोध ज्ञात करें।

- Ans
- ✓ 1. 20 Ω
 - ✗ 2. 40 Ω
 - ✗ 3. 10 Ω
 - ✗ 4. 30 Ω

Question ID : 6044818681
Status : Answered
Chosen Option : 1

Q.97 A transformer is said to be working at the maximum efficiency when:

- Ans
- ✗ 1. Iron losses = fraction losses
 - ✗ 2. Copper loss is more than iron loss
 - ✓ 3. Iron loss = copper loss
 - ✗ 4. Iron loss is more than copper loss

Question ID : 6044818717
Status : Answered
Chosen Option : 3

Q.98 आयरन, निकिल और कोबाल्ट _____ धातुएँ हैं।

- Ans
- ✓ 1. लौह-चुंबकीय (फेरोमैग्नेटिक)
 - ✗ 2. अस्थायी चुंबकीय (टेम्पररी मैग्नेटिक)
 - ✗ 3. प्रति-चुंबकीय (डाईमैग्नेटिक)
 - ✗ 4. अनुचुंबकीय (पैरामैग्नेटिक)

Question ID : 6044818689
Status : Answered
Chosen Option : 1

Q.99 विद्युत आघात से बचने की सर्वाधिक महत्वपूर्ण विधि क्या है?

- Ans
- ✗ 1. उचित पीला प्रावस्था (येलो फ़ेस) का होना
 - ✗ 2. उचित तटस्थ (न्यूट्रल) तार का होना

Question ID : 6044818670
Status : Answered
Chosen Option : 4

3. उचित लाल प्रावस्था का (रेड फेज़) होना

4. उचित भूयोजन (अर्थिंग) का होना

Q.10 ओहम के नियम के अनुसार निम्नलिखित में से कौन सा विकल्प सही है?

Ans 1. $V = I - R$

2. $V = IR$

3. $V = R - I$

4. $V = I + R$

Question ID : 6044818682

Status : Answered

Chosen Option : 2

Q.10 ओवरलोड रिले _____ से मोटर की सुरक्षा करता है।

Ans 1. कम वोल्टेज

2. अधिक विद्युत् धारा

3. अधिक वोल्टेज

4. विद्युत् धारा हानि

Question ID : 6044818748

Status : Answered

Chosen Option : 3

Q.10 मापने वाले उपकरणों की गतिशील प्रणाली में, हेयर स्पिंग _____ से बना होता है:

Ans 1. सिलिकॉन इस्पात

2. फॉस्फोरस-टिन युक्त कांसा (फॉस्फर ब्रॉज़)

3. ताम्र

4. एल्युमिनियम

Question ID : 6044818722

Status : Answered

Chosen Option : 2

Q.10 एक सार्वभौमिक (यूनिवर्सल) मोटर के घूर्णन की दिशा को _____ उलट दिया जा सकता है।

Ans 1. आपूर्ति टर्मिनलों को उलटकर

2. ब्रश लीड को रोक कर

3. ब्रश लीड का अदला-बदली करके

4. ac से dc पर स्विचन करके

Question ID : 6044818743

Status : Answered

Chosen Option : 3

Q.10 The unit of luminous flux is ____.

Ans 1. candela

2. meter candle

3. lumen

4. lux

Question ID : 6044818782

Status : Answered

Chosen Option : 3

Q.10 निम्न प्रतिरोध का मापन _____ द्वारा किया जाता है।

Ans 1. विन सेतु (विन ब्रिज)

2. केल्विन के दोहरे सेतु (केल्विंस डबल ब्रिज)

3. मैक्सवेल सेतु (मैक्सवेल्स ब्रिज)

4. दे साँती सेतु (दे साँती ब्रिज)

Question ID : 6044818777

Status : Answered

Chosen Option : 2

Q.10
6 Stepper motors are mostly used for:

- Ans
- 1. very high speed of operation
 - 2. high power requirements
 - 3. very low speed of operation
 - 4. control system applications

Question ID : 6044818787

Status : Answered

Chosen Option : 4

Q.10
7 धनात्मक विद्युताद्य (इलेक्ट्रोड) को क्या कहा जाता है?

- Ans
- 1. एनोड
 - 2. ट्रायोड
 - 3. कैथोड
 - 4. डायोड

Question ID : 6044818685

Status : Answered

Chosen Option : 1

Q.10
8 हैलोजन लैंप में प्रयोग की जाने वाली गैस कौन सी है?

- Ans
- 1. नाइट्रोजन
 - 2. हैलोजन
 - 3. आर्गन
 - 4. हीलियम

Question ID : 6044818727

Status : Answered

Chosen Option : 3

Q.10
9 निम्नलिखित में से VIR का सही पूर्ण रूप क्या है?

- Ans
- 1. विनाइल इंसुलेटेड रबर
 - 2. वल्कनाइज़्ड इंसुलेटेड रबर
 - 3. वल्कनाइज़्ड इंडिया रबर
 - 4. विनाइल इंडिया रबर

Question ID : 6044818704

Status : Answered

Chosen Option : 3

Q.11
0 पोकर का प्रयोग निम्नलिखित में से किस के लिए किया जाता है?

- Ans
- 1. बोल्ट्स को कसने के लिए
 - 2. लकड़ी के स्कू लगाने हेतु अग्रगामी (पाइलट) छिद्र निर्माण के लिए
 - 3. बोल्ट्स को ढीला करने के लिए
 - 4. कॉन्क्रीट बाहिकाओं (पाइप्स) को काटने के लिए

Question ID : 6044818752

Status : Answered

Chosen Option : 2

Q.11
1 विद्युत् धारा में, वास्तविक शक्ति और आभासी शक्ति के अनुपात को क्या कहा जाता है?

- Ans
- 1. आवृत्ति (फ्रीक्वेंसी)
 - 2. आकृति घटक (फॉर्म फैक्टर)
 - 3. शिखर घटक (पीक फैक्टर)
 - 4. शक्ति घटक (पावर फैक्टर)

Question ID : 6044818710

Status : Answered

Chosen Option : 4

Q.11 2 घरेलू उपकरणों के तापीय तार (हीटिंग एलीमेंट्स) _____ से बने होते हैं।

- Ans
- 1. तांबा
 - 2. कैथल
 - 3. निकिल-क्रोम
 - 4. चांदी

Question ID : 6044818693

Status : Answered

Chosen Option : 3

Q.11 3 मेगर द्वारा केबल रोपन परीक्षण में, प्रावस्था से प्रावस्था के बीच और प्रावस्था से तटस्थ के बीच, प्रतिरोध _____ से कम नहीं होना चाहिए:

- Ans
- 1. 2000 Ω
 - 2. 5000 Ω
 - 3. 1 M Ω
 - 4. 1500 Ω

Question ID : 6044818701

Status : Answered

Chosen Option : 3

Q.11 4 वैद्युत-सायन (इलेक्ट्रो-केमिकल) समतुल्य (M) निम्नलिखित में से किस संबंध द्वारा दर्शाया जाता है?

- Ans
- 1. $M=Z \cdot t$
 - 2. $M=Z \cdot i$
 - 3. $M=Z \cdot i \cdot t$
 - 4. $M=i \cdot t$

Question ID : 6044818686

Status : Answered

Chosen Option : 3

Q.11 5 एक दिष्ट धारा उपमार्ग जनित्र (DC शंट जेनरेटर) में _____ होता है।

- Ans
- 1. सरहानीय रूप से गिरने वाली विशेषताएँ
 - 2. सरहानीय रूप से बढ़ने वाली विशेषताएँ
 - 3. कुछ झुकाव वाली विशेषताएँ
 - 4. निरंतर वोल्टेज वाली विशेषताएँ

Question ID : 6044818767

Status : Answered

Chosen Option : 3

Q.11 6 एक विद्युत् धारा जो आवधिक रूप से प्रतिवर्ती हो जाती है उसे क्या कहा जाता है?

- Ans
- 1. दिष्ट (DC) धारा
 - 2. तापीय धारा (थर्मल करंट)
 - 3. कंपायमान धारा (पल्सेटिंग करंट)
 - 4. प्रत्यावर्ती (AC) धारा

Question ID : 6044818709

Status : Answered

Chosen Option : 4

Q.11 7 दिष्ट धारा परिपथ (DC सर्किट) का शक्ति गुणांक _____ होता है।

- Ans
- 1. इकाई
 - 2. शून्य
 - 3. इकाई से कम
 - 4. इकाई से अधिक

Question ID : 6044818772

Status : Answered

Chosen Option : 1

Q.11 8 निम्नलिखित में से क्या भंवर धारा का एक अवगुण है?

- Ans
- 1. वोल्टेज घटाव (ड्रॉप)

Question ID : 6044818690

Status : Answered

Chosen Option : 1

2. निम्न शक्ति गुणांक

3. अनावश्यक ऊष्मा

4. कम धारा

Q.11 90° कोणों के विशुद्ध माप के लिए प्रयोग किया जाने वाला उपकरण _____ है:

Question ID : 6044818673

Status : Answered

Chosen Option : 3

Ans 1. इस्पात पट्टी (स्टील टेप)

2. साहुल (प्लंब बॉब)

3. त्रि-वर्ग (ट्राई स्क्वैर)

4. काष्ठ पैमाना (वुडेन स्केल)

Q.12 0 मैग्नेटिक फ्लक्स का मापन _____ में किया जाता है।

Question ID : 6044818754

Status : Not Answered

Chosen Option : --

Ans 1. वॉट्स

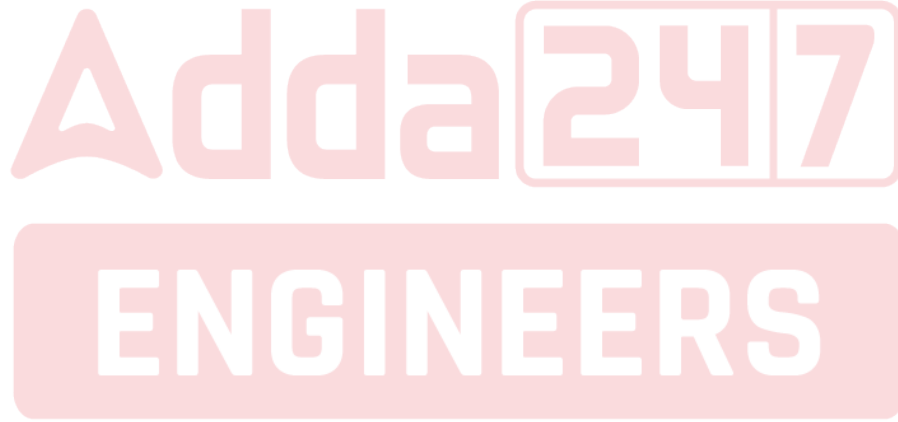
2. एम्पियर

3. वेबर

4. वोल्ट

Section : General English

Comprehension:



Read the following passage and answer the questions given:

Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhanji Babi, then Nawab of the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq. km of the Gir sanctuary was declared a National Park where strict wildlife and forest laws were put in place. Today, lions have extended their territory beyond the Gir forest and are ranging other protected areas spread across Junagadh, Gir Somnath, Amreli and Bhavnagar districts in Saurashtra region.

The lion population has seen a steady growth over the last four decades. International Union for Conservation of Nature (IUCN), a global body working for conservation of the natural world, had categorised Asiatic lions as a critically endangered species in 2000 when the population of the big cat was around 300 as per the 1995 population estimation exercise. But, as the population of the carnivore improved to 359 individuals by the year 2005, the risk level was downgraded by IUCN. Their population improved to 411 by 2010 and to 523 by 2015. The big cats, however, continue to be an endangered species on IUCN Red List of Threatened Species on the grounds of the size of its population and the fact that the Asiatic lions are surviving in one subpopulation.

The population growth of 27.25 per cent between 2010 and 2015 was the highest in the recorded history of Gir. Among all the four districts with lion population, Amreli had recorded the highest—61 per cent growth. The number of Asiatic lions in Amreli went up from 108 in 2010 to 174 in 2015. This rate was only 16 per cent in Junagadh-Gir Somnath and 12 per cent in Bhavnagar. More interestingly, the population of lions living outside protected areas (PA) or on agro-pastoral land grew by a hefty 126 per cent in the five years taking their number to 167 from 74.

SubQuestion No : 1

Q.1

Question ID : 6044818794

Status : Not Answered

In the year 2005, what was the count of the Asiatic lions in the protected area of Gir Forest?

Chosen Option :--

- Ans
- 1. 300 lions
 - 2. 411 lions
 - 3. 523 lions
 - 4. 359 lions

Comprehension:



Read the following passage and answer the questions given:

Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhanji Babi, then Nawab of the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq. km of the Gir sanctuary was declared a National Park where strict wildlife and forest laws were put in place. Today, lions have extended their territory beyond the Gir forest and are ranging other protected areas spread across Junagadh, Gir Somnath, Amreli and Bhavnagar districts in Saurashtra region.

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SubQuestion No : 2

Q.2

Question ID : 6044818795

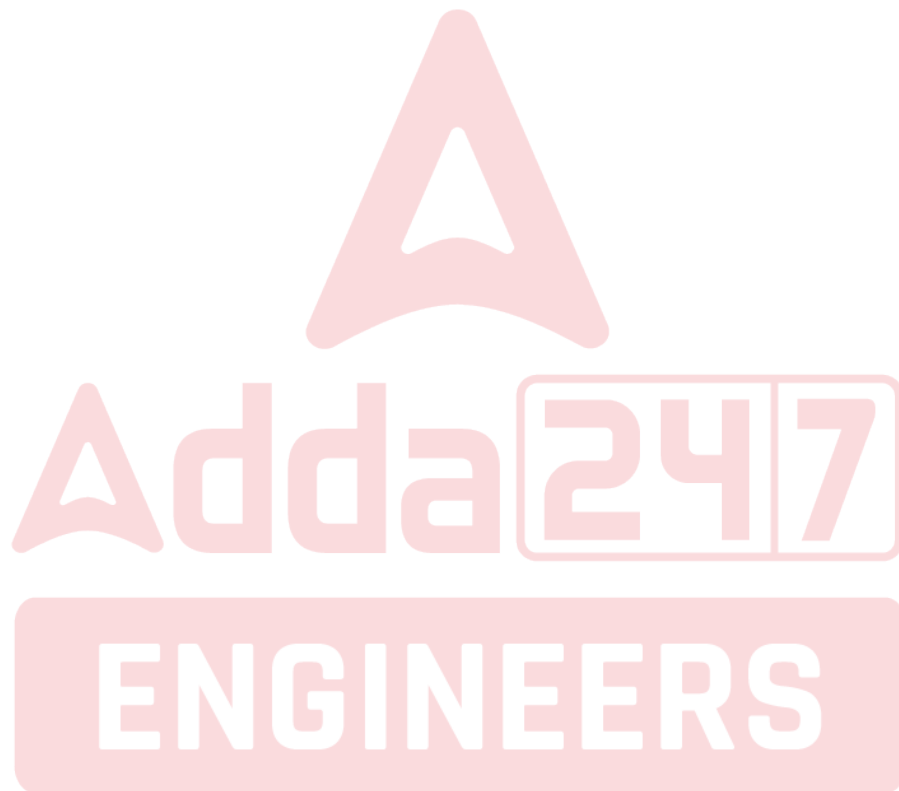
Status : Not Answered

Why are the Asiatic lions on the Red List of the International Union For Conservation of Nature (IUCN)?

Chosen Option :--

- Ans
- 1. They are surviving in one subpopulation.
 - 2. Their population is increasing slowly.
 - 3. They are threatened by poachers and diseases.
 - 4. Their growth rate is going down steadily.

Comprehension:



Read the following passage and answer the questions given:

Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhanji Babi, then Nawab of the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq. km of the Gir sanctuary was declared a National Park where strict wildlife and forest laws were put in place. Today, lions have extended their territory beyond the Gir forest and are ranging other protected areas spread across Junagadh, Gir Somnath, Amreli and Bhavnagar districts in Saurashtra region.

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SubQuestion No : 3

Q.3

Question ID : 6044818791

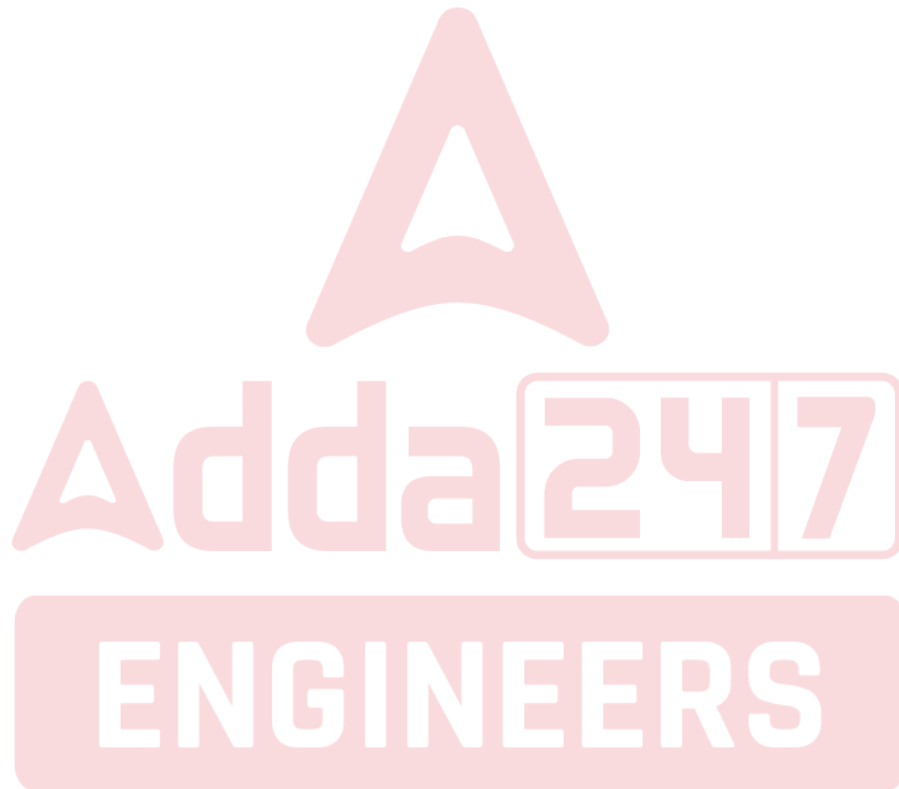
Status : Not Answered

By reading the above passage, it can be said that this is _____.

Chosen Option :--

- Ans
- 1. an article on the survival of Asiatic lions
 - 2. a research report on the growth rate of the Asiatic lions
 - 3. a news item on the Asiatic lion
 - 4. an note on the history of Asiatic lions

Comprehension:



Read the following passage and answer the questions given:

Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhanji Babi, then Nawab of the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq. km of the Gir sanctuary was declared a National Park where strict wildlife and forest laws were put in place. Today, lions have extended their territory beyond the Gir forest and are ranging other protected areas spread across Junagadh, Gir Somnath, Amreli and Bhavnagar districts in Saurashtra region.

The lion population has seen a steady growth over the last four decades. International Union for Conservation of Nature (IUCN), a global body working for conservation of the natural world, had categorised Asiatic lions as a critically endangered species in 2000 when the population of the big cat was around 300 as per the 1995 population estimation exercise. But, as the population of the carnivore improved to 359 individuals by the year 2005, the risk level was downgraded by IUCN. Their population improved to 411 by 2010 and to 523 by 2015. The big cats, however, continue to be an endangered species on IUCN Red List of Threatened Species on the grounds of the size of its population and the fact that the Asiatic lions are surviving in one subpopulation.

The population growth of 27.25 per cent between 2010 and 2015 was the highest in the recorded history of Gir. Among all the four districts with lion population, Amreli had recorded the highest—61 per cent growth. The number of Asiatic lions in Amreli went up from 108 in 2010 to 174 in 2015. This rate was only 16 per cent in Junagadh-Gir Somnath and 12 per cent in Bhavnagar. More interestingly, the population of lions living outside protected areas (PA) or on agro-pastoral land grew by a hefty 126 per cent in the five years taking their number to 167 from 74.

SubQuestion No : 4

Q.4 In which district was the population growth of the Asiatic lions was the highest?

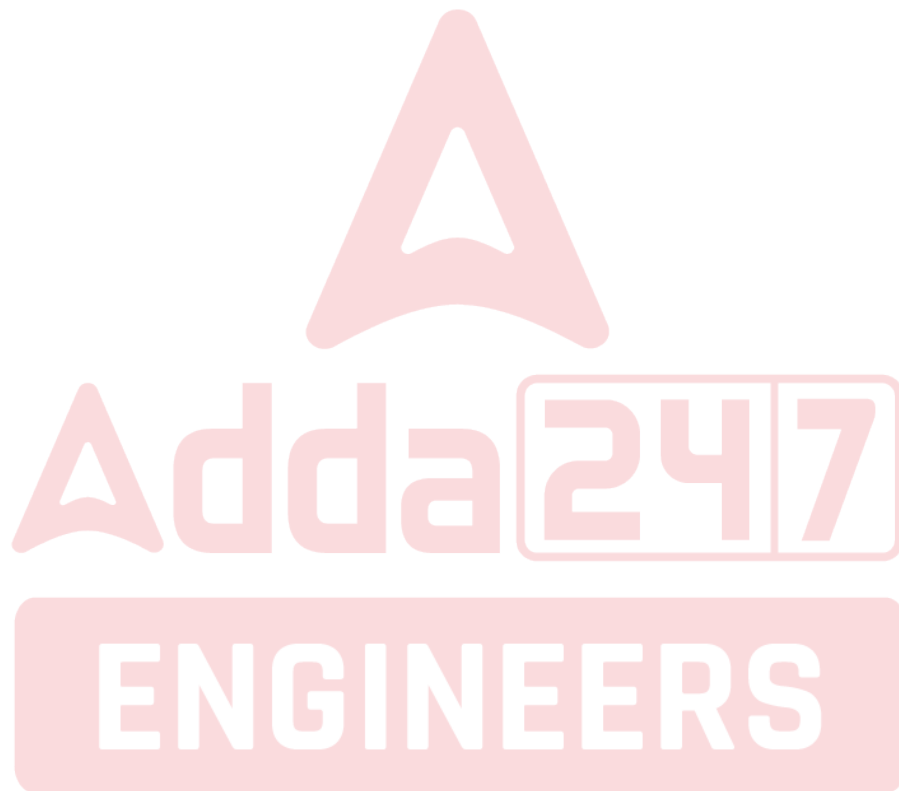
Question ID : 6044818793

Status : Not Answered

- Ans
- 1. Junagarh
 - 2. Gir Somnath
 - 3. Bhavnagar
 - 4. Amreli

Chosen Option :--

Comprehension:



Read the following passage and answer the questions given:

Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhanji Babi, then Nawab of the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq. km of the Gir sanctuary was declared a National Park where strict wildlife and forest laws were put in place. Today, lions have extended their territory beyond the Gir forest and are ranging other protected areas spread across Junagadh, Gir Somnath, Amreli and Bhavnagar districts in Saurashtra region.

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SubQuestion No : 5

Q.5 It can be inferred from the passage that _____.

Ans

Question ID : 6044818792

Status : Not Answered

1.

since the early 19th century, the Asiatic lions have been confined to Gir forest.

2.

Asiatic lions have always lived in the Gir and nearby areas.

3.

before the 20th century, Asiatic lions were spread in many parts of Asia.

4.

the population of Asiatic lions has seen a steady downfall since 2000.

Chosen Option :--

Q.6 Choose the option that is the correct indirect form of the given sentence.

He said to her, "Why are you looking so sad?"

Ans 1. He asked her why she was sad.

2. He asked her why she is sad.

3. He asked her why she was looking so sad.

4. He asked her why she is looking so sad.

Question ID : 6044818803

Status : Not Answered

Chosen Option :--

Q.7 Choose the option that is the synonym of the given word.

Vital

Ans 1. Normal

2. Important

3. Satisfactory

4. Quick

Question ID : 6044818796

Status : Not Answered

Chosen Option :--

Q.8 Choose the option which has an error.

Tagore Gitanjali / is a / collection of / short poems.

Ans 1. is a

2. collection of

3. Tagore Gitanjali

4. short poems.

Question ID : 6044818804

Status : Not Answered

Chosen Option :--

Q.9 Choose the option that is the meaning of the underlined idiom.

You can't go out. It's raining cats and dogs.

Ans 1. Rain falling on cats and dogs

2. Raining heavily

3. Dogs chasing cats

4. Intermittent rain

Question ID : 6044818800

Status : Not Answered

Chosen Option :--

Q.10 Choose the option that is the synonym of the given word.

Eternal

Ans 1. Short-term

Question ID : 6044818797

Status : Not Answered

Chosen Option :--

- 2. Expert
- 3. Everlasting
- 4. External

Q.11 Choose the option that is the antonym of the given word.

Harmony

- Ans
- 1. Order
 - 2. Unity
 - 3. Evenness
 - 4. Imbalance

Question ID : 6044818798

Status : Not Answered

Chosen Option : --

Q.12 Choose the correct option to fill in the blanks.

This is the _____ news from the scene of the accident.

- Ans
- 1. further
 - 2. farthest
 - 3. late
 - 4. latest

Question ID : 6044818801

Status : Not Answered

Chosen Option : --

Q.13 Choose the option which has an error.

Scarcely was / the whistle blow / before the athletes / leapt forward.

- Ans
- 1. leapt forward
 - 2. Scarcely was
 - 3. the whistle blow
 - 4. before the athletes

Question ID : 6044818805

Status : Not Answered

Chosen Option : --

Q.14 Choose the option that is the antonym of the given word.

Adhere

- Ans
- 1. Disregard
 - 2. Support
 - 3. Comply
 - 4. Agree

Question ID : 6044818799

Status : Not Answered

Chosen Option : --

Q.15 Choose the option that is the correct indirect form of the given sentence.

Abhinav said, "I am going to play the drums."

- Ans
- 1. Abhinav said that he was going to play the drums.
 - 2. Abhinav said that he is going to play the drums.
 - 3. Abhinav said that he will go and play the drums.
 - 4. Abhinav said that he is playing the drums.

Question ID : 6044818802

Status : Not Answered

Chosen Option : --

Section : Reasoning

Q.1

Question ID : 6044818808

Status : Answered

उस युग्म का चयन करें जो निम्नलिखित युग्म के समान है।

Chosen Option : 3

साँप : फुफकारना :: _____ : _____

- Ans
- 1. मेंढक : म्याऊँ म्याऊँ करना
 - 2. बिल्ली : बिल्ली का बच्चा
 - 3. गधा : रैंकना
 - 4. पक्षी : उड़ना

Q.2 एक विशेष कूट (कोड) में, WIND को UGLB के रूप में लिखा जाता है, उसी कूट (कोड) में SEASON को किस रूप में लिखा जायेगा?

- Ans
- 1. QCYQML
 - 2. QCZQML
 - 3. QCYPML
 - 4. QCYQNL

Question ID : 6044818809

Status : Answered

Chosen Option : 1

Q.3 उस युग्म का चयन करें जो निम्नलिखित युग्म के समान है।
15 : 256 :: _____ : _____

- Ans
- 1. 20 : 440
 - 2. 10 : 1000
 - 3. 29 : 900
 - 4. 14 : 196

Question ID : 6044818817

Status : Answered

Chosen Option : 2

Q.4 मुरली का स्थान 40 छात्रों की एक पंक्ति में दाएँ छोर से 14वाँ है। बाएँ छोर से उसका स्थान कौन सा होगा?

- Ans
- 1. 28 वाँ
 - 2. 25 वाँ
 - 3. 27 वाँ
 - 4. 26 वाँ

Question ID : 6044818811

Status : Answered

Chosen Option : 4

Q.5 संकेतों और संख्याओं में अंतर्परिवर्तन के निम्नलिखित चार विकल्पों में से कौन दिये गए समीकरण को सही करेगा?
(25 + 25) + 6 - 5 = 2

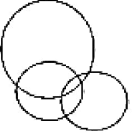
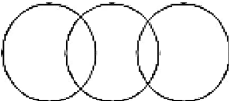
- Ans
- 1. + और ÷ , 25 और 6
 - 2. + और -, 25 और 5
 - 3. + और - , 5 और 6
 - 4. - और ÷ , 6 और 5

Question ID : 6044818815

Status : Answered

Chosen Option : 2

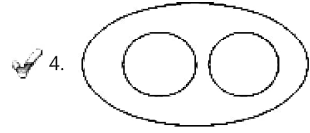
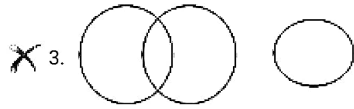
Q.6 निम्नलिखित में से कौन सा वेन आरेख बाघ, हाथी और जानवरों को सही ढंग से दर्शाता है?

- Ans
- 1. 
 - 2. 

Question ID : 6044818816

Status : Answered

Chosen Option : 4



Q.7 श्रृंखला 3, 6, 12, 24, _____ में, 11वीं संख्या क्या होगी?

- Ans X 1. 1027
✓ 2. 3072
X 3. 1072
X 4. 3027

Question ID : 6044818821
Status : Answered
Chosen Option : 2

Q.8 निम्नलिखित प्रश्न में, यदि नीचे दिये गए शब्दों के अक्षरों का प्रयोग जितनी बार चाहे, उतनी बार किया जा सकता है, तब भी दिये गए चार विकल्पों में से किसका विमोचन नहीं किया जा सकता है?

POPULATION

- Ans X 1. LOTION
X 2. TUTION
✓ 3. ACTION
X 4. NATION

Question ID : 6044818812
Status : Answered
Chosen Option : 3

Q.9 निम्नलिखित में से लुप्त संख्या ज्ञात करें।

64	100	144
25	169	1
81	196	256
22	37	?

- Ans ✓ 1. 29
X 2. 27
X 3. 31
X 4. 28

Question ID : 6044818813
Status : Answered
Chosen Option : 1

Q.10 Identify the odd one from the following options:

- Ans X 1. Yen
✓ 2. Oslo
X 3. Rial
X 4. Dollar

Question ID : 6044818820
Status : Answered
Chosen Option : 4

Q.11 निम्नलिखित कथनों को सत्य मानें, भले ही वे सामान्य ज्ञात तथ्यों से भिन्न प्रतीत होते हैं और निर्णय लें कि कौन सा निष्कर्ष तार्किक रूप से कथनों का पूर्णतः अनुपालन करता है।

कथन:

- सभी नौकाएँ कप हैं
- कोई भी कप फूल नहीं है।

निष्कर्ष:

- I. कुछ नौकाएँ फूल हैं।
- II. कुछ फूल कप हैं।

Question ID : 6044818814
Status : Answered
Chosen Option : 1

Ans 1.

निष्कर्ष । तथा निष्कर्ष ॥ दोनों ही अनुपालन करते हैं

2. केवल निष्कर्ष ॥ अनुपालन करता है

3.

न तो निष्कर्ष । और न ही निष्कर्ष ॥ अनुपालन करता है।

4. केवल निष्कर्ष । अनुपालन करता है

Q.12 निम्नलिखित विकल्पों में से विषम की पहचान करें।

Ans 1. अभिनेता

2. निर्देशक

3. विद्यालय

4. सिनेमा

Question ID : 6044818810

Status : Answered

Chosen Option : 3

Q.13 निम्नलिखित तालिका में लुप्त पद ज्ञात करें :

5E	35F	7G
9I	?	10K
12L	180M	15N

Ans 1. 91J

2. 19J

3. 99J

4. 90J

Question ID : 6044818822

Status : Answered

Chosen Option : 4

Q.14 वह संख्या ज्ञात करें जिसे स्वयं से 14 बार जोड़े जाने पर 225 प्राप्त होता है?

Ans 1. 15

2. 17

3. 20

4. 14

Question ID : 6044818818

Status : Answered

Chosen Option : 2

Q.15 निम्नलिखित जानकारी को ध्यानपूर्वक पढ़ें और इसके नीचे दिये गए प्रश्न का उत्तर दें।

'M + N' का अर्थ है कि 'M', 'N' का पुत्र है।

'M - N' का अर्थ है कि 'M', 'N' की पत्नी है।

'M × N' का अर्थ है कि 'M', 'N' का भाई है।

X + Y - Z का क्या अर्थ होगा?

Ans 1. Z, X का पुत्र है।

2. Z, X का पिता है।

3. Z, X का भाई है।

4.

Question ID : 6044818819

Status : Not Attempted and Marked For Review

Chosen Option : --

Z, X का चाचा / मामा / ताऊ / काका / फूफा / मौसा है।

Q.16 पुनीता अपने कार्यालय से पश्चिम की ओर चलना आरंभ करती है। 25 m की दूरी तय करने के बाद, वह दायीं ओर मुड़ जाती है और 15 m चलती है। उसके बाद वह बायीं ओर मुड़ती है और 10 m की दूरी तय करती है। वह फिर अपनी बायीं ओर मुड़ती है और 35 m चलती है। वह बाययीं ओर मुड़ती है और 5 m चलती है। अंत में, वह अपनी बायीं ओर मुड़ जाती है। अब वह किस दिशा की ओर चल रही है?

Question ID : 6044818806

Status : Answered

Chosen Option : 1

- Ans
- 1. पश्चिम
 - 2. दक्षिण
 - 3. उत्तर
 - 4. पूर्व

Q.17 वह पद जात करें जो दी गई श्रृंखला में भलीभांति स्थापित नहीं होता है:
1BU, 5FQ, 9JM, 13NI, 17SE, 21VA

Question ID : 6044818807

Status : Answered

Chosen Option : 4

- Ans
- 1. 5FQ
 - 2. 9JM
 - 3. 21VA
 - 4. 17SE

Section : Quantitative Aptitude

Q.1 एक त्रिभुज की भुजाओं की लंबाई 10 cm, 24 cm और 26 cm है। त्रिभुज के प्रत्येक शीर्ष पर 3 cm की त्रिज्या वाला एक वृत्त खींचा गया है। त्रिभुज का क्षेत्रफल cm^2 में क्या होगा, जिसमें वृत्तों द्वारा घेरे गए त्रिभुज का भाग सम्मिलित नहीं है? ($\pi = 3.14$)

Question ID : 6044818830

Status : Not Attempted and Marked For Review

Chosen Option : --

- Ans
- 1. 91.74
 - 2. 105.87
 - 3. 96.82
 - 4. 102.37

Q.2 एक मशीन के मूल्य में प्रत्येक वर्ष 10% का मूल्य हास होता है। यदि मशीन का वर्तमान मूल्य ₹ 80,000 है, तो 3 वर्ष की समाप्ति पर इसके मूल्य में कितने प्रतिशत की कमी होगी?

Question ID : 6044818838

Status : Answered

Chosen Option : 4

- Ans
- 1. 27.1%
 - 2. 29.2%
 - 3. 28.4%
 - 4. 30%

Q.3 31 संख्याओं का औसत 48 है। इनमें से पहली 16 संख्याओं का औसत 38 और अंतिम 16 संख्याओं का औसत 58 है। यदि मध्य संख्या को निकाल दिया जाए, तो शेष संख्याओं का औसत क्या होगा?

Question ID : 6044818834

Status : Answered

Chosen Option : 2

- Ans
- 1. 45
 - 2. 48
 - 3. 50
 - 4. 52

Q.4 उस छोटी से छोटी संख्या वाले अंकों का योग क्या होगा, जिसे 8, 10, 12 और 27 से विभाजित करने पर प्रत्येक स्थिति में 9 शेष बचता है और 13 से पूर्णतः विभाजित है?

Question ID : 6044818825

Status : Answered

Chosen Option : 1

- Ans
- 1. 18
 - 2. 16
 - 3. 19
 - 4. 17

Q.5 $5^2 - 6^2 + 7^2 - 8^2 + 9^2 - 10^2 + \dots + 19^2 - 20^2$ का मान क्या होगा?

Question ID : 6044818823

Status : Not Attempted and Marked For Review

- Ans
- 1. -220

2. -230

3. -210

4. -200

Chosen Option : --

Q.6 एक नाव 20 km की दूरी धारा की प्रतिकूल दिशा में और 30 km धारा की अनुकूल दिशा में 2 घंटों 32 मिनटों में तय करती है। यदि धारा के बहाव की चाल 5 km/h है, तो शांत जल में नाव की चाल, km/h में क्या है?

Ans 1. 25

2. 30

3. 15

4. 20

Question ID : 6044818836

Status : Answered

Chosen Option : 1

Q.7 दो पाइप A और B एक टैंक को क्रमशः 60 मिनटों और 80 मिनटों में भर सकते हैं, जबकि तीसरा पाइप C भरे हुए टैंक को 120 मिनटों में खाली कर सकता है। यदि तीनों पाइप एक साथ खोल दिये जाते हैं, तो टैंक को भरने में कुल कितने मिनटों का समय लगेगा?

Ans 1. 52

2. 42

3. 45

4. 48

Question ID : 6044818839

Status : Answered

Chosen Option : 4

Q.8 यदि एक रेलगाड़ी 90 km/h की चाल से दौड़ती है, तो वह अपने गंतव्य पर 12 मिनट विलंब से पहुँचती है। किन्तु, यदि यह 100 km/h की चाल से दौड़ती है, तो उसे 2 मिनट का विलंब होता है। अपनी यात्रा को पूर्ण करने के लिए रेलगाड़ी द्वारा लिया जाने वाला सही समय क्या है?

Ans 1. 128

2. 84

3. 78

4. 88

Question ID : 6044818835

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.9 1.4 व 35 के मध्यानुपात और 6 व 9 के तृतीय अनुपात का योग क्या होगा?

Ans 1. 20.5

2. 21.5

3. 18.5

4. 16.5

Question ID : 6044818828

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.10 दो बर्तनों A और B में स्प्रिट व जल का अनुपात क्रमशः 2 : 3 और 7 : 3 है। उनकी सामग्री को 4 : 5 के अनुपात में मिलाया जाता है। इसके 360 ml विलयन में कितना जल मिलाया जाना चाहिए, कि प्राप्त विलयन में स्प्रिट और जल की मात्रा समान हो।

Ans 1. 56 mL

2. 48 mL

3. 45 mL

4. 52 mL

Question ID : 6044818829

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.11 $0.4\overline{6} - 0.5\overline{89} + 0.3\overline{33}$ का मान क्या होगा?

Ans 1. $0.2\overline{14}$

2. $0.2\overline{10}$

3. $0.2\overline{1}$

4. $0.2\overline{11}$

Question ID : 6044818826

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.12 एक धनराशि का विभाजन A, B, C और D के बीच $\frac{3}{4}, \frac{4}{5}, \frac{6}{7}, \frac{2}{8}$ के अनुपात में किया जाता है। यदि B को A से ₹ 70 अधिक मिलते हैं, तो D का भाग कितना है?

Ans 1. ₹ 1,225

Question ID : 6044818827

Status : Not Attempted and Marked For Review

2. ₹ 1,175

3. ₹ 1,025

4. ₹ 990

Chosen Option : --

Q.13 दो संख्याओं का महत्तम समापवर्त्य और लघुत्तम समापवर्त्य क्रमशः 12 और 360 है। यदि संख्याओं का योग 132 है, तो उनके व्युत्क्रमों का योग क्या होगा?

- Ans
1. $\frac{1}{36}$
2. $\frac{13}{180}$
3. $\frac{1}{60}$
4. $\frac{11}{360}$

Question ID : 6044818824

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.14 यदि, $\sqrt{21-12\sqrt{3}} = a + b\sqrt{3}$ है, तो $(2a + 3b)$ का मान निम्नलिखित में से किसके समान होगा?

- Ans
1. 8
2. 0
3. 6
4. 5

Question ID : 6044818840

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.15 5 cm त्रिज्या वाले एक ठोस गोले को पिघलाकर 2 cm ऊँचे और 1 cm त्रिज्या वाले ठोस बेलन बनाये जाते हैं। ऐसे कितने बेलन बनाये जा सकते हैं?

- Ans
1. 75
2. 84
3. 78
4. 83

Question ID : 6044818831

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.16 कक्षा की एक परीक्षा में, 200 छात्रों में से, 62% हिंदी में उत्तीर्ण हुए और 58% अंग्रेजी में उत्तीर्ण हुए। यदि दोनों विषयों में 25% छात्र अनुत्तीर्ण रहे हों, तो दोनों विषयों में कितने छात्र उत्तीर्ण हुए?

- Ans
1. 45
2. 55
3. 110
4. 90

Question ID : 6044818832

Status : Answered

Chosen Option : 1

Q.17 एक कार्य को करने के लिए A और B की कार्यक्षमता का अनुपात 3 : 5 है। वे मिलकर एक कार्य को 30 दिनों में समाप्त कर सकते हैं। A अकेला कितने दिनों में इस कार्य को समाप्त कर लेगा?

- Ans
1. 48
2. 80
3. 56
4. 72

Question ID : 6044818837

Status : Answered

Chosen Option : 1

Q.18 एक दुकानदार ने अंकित मूल्य पर 20% की छूट देकर एक वस्तु बेची और 16% का लाभ अर्जित किया। यदि उसने वस्तु को अंकित मूल्य पर बेचा होता, तो उसका लाभ प्रतिशत कितना होता।

- Ans
1. 36%
2. 40%
3. 45%
4. 38%

Question ID : 6044818833

Status : Answered

Chosen Option : 2



Test Date:	
Test Time:	
Subject:	JUNIOR TECHNICIAN TRAINEE ELECTRICAL

Section : Discipline

Q.1 A hydrometer is used to test the _____ of a cell.

- Ans 1. specific gravity
 2. current
 3. power
 4. voltage

Question ID : 6044818764

Status : Answered

Chosen Option : 1

Q.2 Which option represents the correct properties of a good insulator?

- Ans 1. Low die electric strength and low resistance
 2. Low die electric strength and high resistance
 3. High die electric strength and high resistance
 4. High die electric strength and low resistance

Question ID : 6044818677

Status : Answered

Chosen Option : 3

Q.3 Phase sequence indicator is used to identify phase sequence in a:

- Ans 1. Pulsating supply
 2. Three-phase supply
 3. Single-phase supply
 4. DC supply

Question ID : 6044818724

Status : Answered

Chosen Option : 2

Q.4 Insulation of LT cable is tested at the voltage of:

- Ans 1. 600 V
 2. 1100 V
 3. 22 KV
 4. 33 KV

Question ID : 6044818680

Status : Answered

Chosen Option : 2

Q.5 Silicon, boron and germanium are which type of materials?

- Ans 1. Insulator

Question ID : 6044818678

Status : Answered

2. Conductor
3. Semi-conductor
4. Semi-insulator

Chosen Option : 3

Q.6 Kit-Kat fuses are made of:

- Ans 1. PVC
2. Fiber
3. Brass
4. Porcelain

Question ID : 6044818746

Status : Answered

Chosen Option : 4

Q.7 Which type of lamp is preferred for solar lamp?

- Ans 1. LED
2. Arc lamp
3. Tungsten filament
4. Sodium vapour lamp

Question ID : 6044818728

Status : Answered

Chosen Option : 1

Q.8 Permanent capacitor motor is used for:

- Ans 1. Grinder
2. Washing machine
3. Drill machine
4. Ceiling and table fan

Question ID : 6044818741

Status : Answered

Chosen Option : 4

Q.9 The range of an ammeter may be extended by the use of a:

- Ans 1. multiplier in parallel
2. shunt in series
3. multiplier in series
4. shunt in parallel

Question ID : 6044818776

Status : Answered

Chosen Option : 4

Q.10 Which type of insulator is used on 132 kV transmission lines?

- Ans 1. Pin and shackle type
2. Shackle type
3. Disc type
4. Pin type

Question ID : 6044818789

Status : Answered

Chosen Option : 3

Q.11 For extension of the range of ampere meter and volt meter, the resistance is connected as ampere meter in _____ and as volt meter in _____.

- Ans 1. parallel, parallel
2. parallel, series
3. series, parallel
4. series, series

Question ID : 6044818725

Status : Answered

Chosen Option : 2

Q.12 In a series circuit, the current flows in how many directions?

- Ans
- 1. Three
 - 2. One
 - 3. Four
 - 4. Two

Question ID : 6044818683

Status : Answered

Chosen Option : 2

Q.13 In the short circuit test of any installation, what should be the megger reading in short circuit condition?

- Ans
- 1. 10000 ohm
 - 2. Zero
 - 3. Unity
 - 4. 1000 ohm

Question ID : 6044818706

Status : Answered

Chosen Option : 2

Q.14 Potential transformer is which type of transformer?

- Ans
- 1. Auto-transformer
 - 2. Step up transformer
 - 3. Step down transformer
 - 4. Low voltage transformer

Question ID : 6044818715

Status : Answered

Chosen Option : 3

Q.15 Generally, which method of 'earthing' is used in India?

- Ans
- 1. Coil and plate earthing
 - 2. Rod and coil earthing
 - 3. Plate and pipe earthing
 - 4. Rod and pipe earthing

Question ID : 6044818707

Status : Answered

Chosen Option : 2

Q.16 How is pole pitch calculated?

- Ans
- 1. Number of phases \times Number of poles
 - 2. Number of slots / Number of poles
 - 3. Number of coils / Number of poles
 - 4. Number of poles \times Number of frequencies

Question ID : 6044818730

Status : Answered

Chosen Option : 3

Q.17 Sparking occurs when a load is switched-off because the circuit has a high _____.

- Ans
- 1. inductance
 - 2. resistance
 - 3. impedance
 - 4. capacitance

Question ID : 6044818766

Status : Answered

Chosen Option : 1

Q.18 The speed control of a universal motor is achieved by:

- Ans
- 1. a capacitor connected in series
 - 2. a centrifugal switch connected series with the starting winding

Question ID : 6044818788

Status : Answered

Chosen Option : 3

3.

varying the field flux with taped field windings

4. a capacitor connected in parallel

Q.19 Stepper motors are mostly used for:

- Ans 1. high power requirements
 2. very high speed of operation
 3. control system applications
 4. very low speed of operation

Question ID : 6044818787

Status : Answered

Chosen Option : 3

Q.20 How many types of DC motor starters are there?

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

Question ID : 6044818703

Status : Answered

Chosen Option : 4

Q.21 Atomic number of copper is:

- Ans 1. 29
 2. 31
 3. 25
 4. 27

Question ID : 6044818675

Status : Answered

Chosen Option : 1

Q.22 An electric current that periodically reverses is called:

- Ans 1. AC current
 2. Thermal current
 3. Pulsating current
 4. DC current

Question ID : 6044818709

Status : Answered

Chosen Option : 1

Q.23 In a CRO with a sweep time of 10 ms across the screen, the approximate horizontal sawtooth frequency will be ____.

- Ans 1. 100 Hz
 2. 50 Hz
 3. 1 kHz
 4. 500 Hz

Question ID : 6044818775

Status : Answered

Chosen Option : 1

Q.24 A three-phase squirrel-cage induction motor can be started with a:

- Ans 1. Both DOL and star-delta
 2. Star-delta starter
 3. Resistance starter
 4. DOL starter

Question ID : 6044818783

Status : Answered

Chosen Option : 2

Q.25 In the moving system of measuring instruments, hair spring is made of:

- Ans 1. Aluminium

Question ID : 6044818722

Status : Answered

- 2. Silicon steel
- 3. Copper
- 4. Phosphor bronze

Chosen Option : 4

Q.26 The gas used in halogen lamps is:

- Ans
- 1. Helium
 - 2. Halogen
 - 3. Argon
 - 4. Nitrogen

Question ID : 6044818727

Status : Answered

Chosen Option : 3

Q.27 Two way switches are used in:

- Ans
- 1. Industrial wiring
 - 2. Power wiring
 - 3. Road wiring
 - 4. Staircase wiring

Question ID : 6044818684

Status : Answered

Chosen Option : 1

Q.28 Iron, nickel and cobalt are _____ metals.

- Ans
- 1. paramagnetic
 - 2. dimagnetic
 - 3. ferromagnetic
 - 4. temporary magnetic

Question ID : 6044818689

Status : Answered

Chosen Option : 3

Q.29 A transformer is said to be working at the maximum efficiency when:

- Ans
- 1. Iron loss = copper loss
 - 2. Iron loss is more than copper loss
 - 3. Iron losses = fraction losses
 - 4. Copper loss is more than iron loss

Question ID : 6044818717

Status : Answered

Chosen Option : 1

Q.30 The mass of material deposited over an electrode is:

- Ans
- 1. proportional to the current only
 - 2. proportional to the quantity of electricity and the electrochemical equivalent
 - 3. proportional to the time only
 - 4. proportional to the voltage

Question ID : 6044818761

Status : Answered

Chosen Option : 2

Q.31 A poker is used to:

- Ans
- 1. tighten the bolts
 - 2. make pilot holes to fix wood screws

Question ID : 6044818752

Status : Not Attempted and Marked For Review

Chosen Option : --

- 3. loosen the bolts
- 4. cut the conduit pipes

Q.32 In the context of first aid, the full form of ABC system is:

- Ans
- 1. Airway, Breath, Circulation
 - 2. Air system, Breathing, Chest Circulation
 - 3. Airway, Breathing, Circulation
 - 4. Airway, Breathing, Chest

Question ID : 6044818671

Status : Answered

Chosen Option : 2

Q.33 In three-phase induction motor, the double cage rotor is used for:

- Ans
- 1. Low starting current
 - 2. Low starting torque
 - 3. High starting torque
 - 4. High starting current

Question ID : 6044818734

Status : Answered

Chosen Option : 1

Q.34 The efficiency of a cell can be considered in_____.

- Ans
- 1. AH
 - 2. HP
 - 3. WATT
 - 4. KVA

Question ID : 6044818688

Status : Answered

Chosen Option : 1

Q.35 The magnetic potential in a magnetic circuit can be measured in terms of:

- Ans
- 1. Farads
 - 2. Henrys
 - 3. coulombs
 - 4. MMF

Question ID : 6044818765

Status : Answered

Chosen Option : 4

Q.36 The power factor of a DC circuit is:

- Ans
- 1. Less than unity
 - 2. Zero
 - 3. Greater than unity
 - 4. Unity

Question ID : 6044818772

Status : Answered

Chosen Option : 4

Q.37 Physical state of the atmosphere, surface state of the conductor, and the distance between the conductor and line voltage values are responsible for the production of:

- Ans
- 1. Corona
 - 2. Heating effect
 - 3. Skin effect
 - 4. Proximity effect

Question ID : 6044818749

Status : Answered

Chosen Option : 1

Q.38 Which of the following materials has a near-zero temperature coefficient?

Question ID : 6044818759

- Ans 1. Manganese
 2. Aluminium
 3. Iron
 4. Carbon

Status : Answered
Chosen Option : 2

Q.39 A eureka wire is used:

- Ans 1. in domestic wiring
 2. as variable resistance
 3. as a lamp's filament
 4. in overhead lines

Question ID : 6044818757
Status : Not Answered
Chosen Option : --

Q.40 In induction motors, percentage slip is found in the range of:

- Ans 1. 1-5 %
 2. 1-100 %
 3. 5-10 %
 4. 1-10 %

Question ID : 6044818739
Status : Answered
Chosen Option : 1

Q.41 The correct phase sequence of an alternator is:

- Ans 1. Blue, red and yellow
 2. Red, blue and yellow
 3. Yellow, black and red
 4. Red, yellow and blue

Question ID : 6044818719
Status : Answered
Chosen Option : 4

Q.42 Electrochemical equivalent (M) is indicated by which of the below relations?

- Ans 1. $M=Z*i*t$
 2. $M=Z*t$
 3. $M=I*t$
 4. $M=Z*i$

Question ID : 6044818686
Status : Answered
Chosen Option : 1

Q.43 The working principle of a transformer is:

- Ans 1. Faraday's law
 2. Mutual inductance
 3. Ohm's law
 4. Ampere law

Question ID : 6044818714
Status : Answered
Chosen Option : 1

Q.44 Heating elements of domestic appliances are made of:

- Ans 1. Copper
 2. NI-chrome
 3. Silver
 4. Canthal

Question ID : 6044818693
Status : Answered
Chosen Option : 2

Q.45 Which of the below is the correct full form of CRO?

- Ans
- 1. Capital ray oscilloscope
 - 2. Current ray oscilloscope
 - 3. Cathode ray oscilloscope
 - 4. Cathode ray output

Question ID : 6044818726

Status : Answered

Chosen Option : 3

Q.46 In a series circuit, the total resistance (R) of the circuit is 100 ohms; the first two resistances are 30 ohm and 50 ohm. Find out the third resistance.

- Ans
- 1. 40 Ω
 - 2. 30 Ω
 - 3. 20 Ω
 - 4. 10 Ω

Question ID : 6044818681

Status : Answered

Chosen Option : 3

Q.47 A transformer is used to change the value of _____.

- Ans
- 1. Power factor
 - 2. Voltage
 - 3. Frequency
 - 4. Power

Question ID : 6044818774

Status : Answered

Chosen Option : 2

Q.48 Winding of a generator has two ends. Winding of a three phase generator has a total of six ends. These ends can be connected in any one of two styles, namely:

- Ans
- 1. Input and output
 - 2. Star and delta
 - 3. Primary and secondary
 - 4. Starting and running

Question ID : 6044818711

Status : Answered

Chosen Option : 2

Q.49 Electrical measuring instruments are divided in three main parts, namely:

- Ans
- 1. Deflecting type, recording type and integrating type
 - 2. Deflecting type, lighting type and integrating type
 - 3. Lighting type, chemical type and integrating type
 - 4. Magnetic type, lighting type and recording type

Question ID : 6044818721

Status : Answered

Chosen Option : 1

Q.50 Magnetic flux is measured in _____.

- Ans
- 1. volt
 - 2. weber
 - 3. ampere
 - 4. watts

Question ID : 6044818754

Status : Answered

Chosen Option : 2

Q.51 The frequency of the induced emf in the rotor circuit is:

Question ID : 6044818784

- Ans 1. maximum at stand still
 2. minimum at stand still
 3. zero at stand still
 4. maximum at synchronous speed

Status : **Answered**
Chosen Option : 1

Q.52 Which of the below is the correct full form of VIR?

- Ans 1. Vulcanised India rubber
 2. Vulcanised insulated rubber
 3. Vinyl insulated rubber
 4. Vinyl India rubber

Question ID : 6044818704
Status : **Answered**
Chosen Option : 2

Q.53 A / an ___ is used for the measurement of power at 500 MHz.

- Ans 1. Compensated wattmeter
 2. Low PF wattmeter
 3. Bolometer
 4. Electrodynamic wattmeter

Question ID : 6044818779
Status : **Answered**
Chosen Option : 3

Q.54 The positive electrode is called as:

- Ans 1. Diode
 2. Anode
 3. Cathode
 4. Triode

Question ID : 6044818685
Status : **Answered**
Chosen Option : 2

Q.55 In electrical work, the solder used is practically always an alloy of lead and _____.

- Ans 1. tin
 2. aluminium
 3. copper
 4. iron

Question ID : 6044818755
Status : **Answered**
Chosen Option : 1

Q.56 What is the other name of underground conduit pipe wiring?

- Ans 1. Open wiring
 2. Duct wiring or concealed wiring
 3. Lead sheathed wiring
 4. Wooden casing-capping wiring

Question ID : 6044818705
Status : **Answered**
Chosen Option : 2

Q.57 The effect of armature flux on the main field flux is called:

- Ans 1. EDDY current reaction
 2. Armature reaction
 3. Hysteresis
 4. Excitation

Question ID : 6044818697
Status : **Answered**
Chosen Option : 2

Q.58 For a single phase induction motor, the centrifugal switch is connected to:

- Ans
- 1. Parallel to running wiring
 - 2. Parallel to series wiring
 - 3. Series to running wiring
 - 4. Series to starting wiring

Question ID : 6044818738

Status : Answered

Chosen Option : 1

Q.59 In a single-phase repulsion motor, the power factor is:

- Ans
- 1. always unity
 - 2. high at high speed
 - 3. always leading
 - 4. high at low speed

Question ID : 6044818786

Status : Answered

Chosen Option : 4

Q.60 The maximum value of a sine wave AC voltage is 10 V. What is its rms value?

- Ans
- 1. 6.060 V
 - 2. 7.070 V
 - 3. 1.414 V
 - 4. 14.140 V

Question ID : 6044818773

Status : Answered

Chosen Option : 2

Q.61 Which of the below is a demerit of eddy current?

- Ans
- 1. Unnecessary heat
 - 2. Voltage drop
 - 3. Low power factor
 - 4. Low current

Question ID : 6044818690

Status : Answered

Chosen Option : 1

Q.62 The current carrying capacity of a copper wire having twice the diameter of another copper wire is _____.

- Ans
- 1. three-times as great
 - 2. half as great
 - 3. four-times as great
 - 4. twice as great

Question ID : 6044818760

Status : Answered

Chosen Option : 4

Q.63 The most important method to avoid electric shock is:

- Ans
- 1. Having proper red phase in place
 - 2. Having proper earthing in place
 - 3. Having proper yellow phase in place
 - 4. Having proper neutral wire

Question ID : 6044818670

Status : Answered

Chosen Option : 2

Q.64 The form factor for a sinusoidal wave form is:

- Ans
- 1. 1.00
 - 2. 1.11

Question ID : 6044818771

Status : Answered

Chosen Option : 2

3. 2.22

4. 0.55

Q.65 Which of the following instruments usually has the lowest resistance?

- Ans 1. Megger
 2. Frequency meter
 3. Ammeter
 4. Voltmeter

Question ID : 6044818780

Status : Answered

Chosen Option : 2

Q.66 A three-phase supply can be changed into a two-phase supply with the help of:

- Ans 1. Scott connect
 2. V-V connection
 3. Main switch
 4. Star-Delta connection

Question ID : 6044818713

Status : Answered

Chosen Option : 1

Q.67 In AC winding, a four pole motor has 24 slots. The value of pole pitch will be:

- Ans 1. 10
 2. 6
 3. 16
 4. 4

Question ID : 6044818729

Status : Answered

Chosen Option : 2

Q.68 Which type of DC generator is used to charge the battery?

- Ans 1. Shunt
 2. Compound
 3. Series
 4. Long shunt compound

Question ID : 6044818696

Status : Answered

Chosen Option : 1

Q.69 In brushless alternator, there are two alternators on one shaft. Which are those?

- Ans 1. Main alternator and series generator
 2. Main alternator and exciter
 3. Exciter and series generator
 4. Series generator and shunt generator

Question ID : 6044818720

Status : Answered

Chosen Option : 2

Q.70 A pin vice is used for:

- Ans 1. holding jobs involving very high temperatures
 2. holding very small jobs like pins
 3. holding jobs involving very low temperatures
 4. holding big jobs like bolts

Question ID : 6044818753

Status : Not Answered

Chosen Option : --

Q.71 In electric current, the ratio of true power to apparent power is called:

Question ID : 6044818710

- Ans 1. Power factor
 2. Form factor
 3. Frequency
 4. Peak factor

Status : Answered
Chosen Option : 1

Q.72 What is the full form of XLPE in an XLPE cable?

- Ans 1. Cross-Linked Polyvinyl
 2. Cross Polyvinyl
 3. Cross-Linked Polyethene
 4. Cross-Linked Polyethylene

Question ID : 6044818758
Status : Not Answered
Chosen Option : --

Q.73 For a single phase induction motor, the electrical angle between the starting and running wiring is:

- Ans 1. 270°
 2. 30°
 3. 90°
 4. 180°

Question ID : 6044818737
Status : Answered
Chosen Option : 3

Q.74 The electrolyte used in a dry cell is:

- Ans 1. Ammonium chloride
 2. Magnesium chloride
 3. Dilute sulfuric acid
 4. Dilute hydrochloric acid

Question ID : 6044818687
Status : Answered
Chosen Option : 1

Q.75 The exciting coils of any DC machine are wound:

- Ans 1. separately
 2. in the machine
 3. around the poles
 4. in the armature slots

Question ID : 6044818768
Status : Answered
Chosen Option : 3

Q.76 The direction of rotation of a universal motor can be reversed by:

- Ans 1. Switching over from ac to dc
 2. Reversing the supply terminals
 3. Retaining the brush leads
 4. interchanging the brush leads

Question ID : 6044818743
Status : Answered
Chosen Option : 2

Q.77 A DC shunt generator has:

- Ans 1. appreciably rising characteristics
 2. slightly drooping characteristics

Question ID : 6044818767
Status : Answered
Chosen Option : 2

- 3. appreciably falling characteristics
- 4. constant voltage characteristics

Q.78 In any induction motor, if the number of poles are doubled, then the speed will:

- Ans
- 1. Double
 - 2. Become one fourth
 - 3. Not change
 - 4. Become half

Question ID : 6044818736

Status : Answered

Chosen Option : 4

Q.79 The reciprocal of resistance is _____.

- Ans
- 1. susceptance
 - 2. conductance
 - 3. impedance
 - 4. reactance

Question ID : 6044818756

Status : Answered

Chosen Option : 2

Q.80 Low resistance is measured by ____.

- Ans
- 1. De Sauty's bridge
 - 2. Kelvin's double bridge
 - 3. Maxwell's bridge
 - 4. Win bridge

Question ID : 6044818777

Status : Answered

Chosen Option : 2

Q.81 The thickness of lamination is about _____.

- Ans
- 1. 0.5 mm
 - 2. 2 mm
 - 3. 10 mm
 - 4. 5 mm

Question ID : 6044818770

Status : Answered

Chosen Option : 1

Q.82 The property of a conductor that opposes the flow of current through it is called:

- Ans
- 1. Resistance
 - 2. Current
 - 3. Conductance
 - 4. Voltage

Question ID : 6044818676

Status : Answered

Chosen Option : 1

Q.83 In a three-phase oil-cooled power transformer, the device conservator, breather, explosion vent and Buchholz relay are _____ devices.

- Ans
- 1. chemical
 - 2. magnetic
 - 3. heating
 - 4. protective

Question ID : 6044818716

Status : Answered

Chosen Option : 4

Q.84 Speed "N" of a synchronous motor is given by:

Ans

Question ID : 6044818732

Status : Answered

1. $N = 120 f/p$
 2. $f * p / 120$
 3. $N = 120 p/f$
 4. $N = 120 p$

Chosen Option : 1

Q.85 Which type of bulb is used in a line tester?

- Ans 1. Yellow bulb
 2. Neon bulb
 3. Bayonet cap (BC) bulb
 4. Halogen bulb

Question ID : 6044818672

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.86 Which electrolyte is used in a dry cell?

- Ans 1. H_2SO_4
 2. NH_4Cl
 3. NHO_2
 4. $CdSO_4$

Question ID : 6044818673

Status : Answered

Chosen Option : 2

Q.87 A device that changes DC supply to AC supply is called:

- Ans 1. Motor generator set
 2. Converter
 3. Rectifier
 4. Inverter

Question ID : 6044818744

Status : Answered

Chosen Option : 4

Q.88 The resistance of a shunt winding is:

- Ans 1. more than the armature resistance
 2. more than the series and armature
 3. more than the series winding resistance
 4. less than the series and armature resistance

Question ID : 6044818769

Status : Answered

Chosen Option : 1

Q.89 Commutator segments are insulated from each other with the help of:

- Ans 1. Oil
 2. PVC
 3. MICA
 4. Wood

Question ID : 6044818698

Status : Answered

Chosen Option : 3

Q.90 Which motor is used for traction work?

- Ans 1. Synchronous motor
 2. Induction motor
 3. DC compound motor

Question ID : 6044818699

Status : Answered

Chosen Option : 4

✓ 4. DC series motor

Q.91 In case the field of a synchronous motor is overexcited, the power factor will be:

- Ans
- 1. Unity
 - 2. Leading
 - 3. Zero
 - 4. Lagging

Question ID : 6044818733
Status : Answered
Chosen Option : 2

Q.92 To change the rotational direction of a DC motor, what needs to be done?

- Ans
- 1. Direction can't be changed
 - 2. Change field and armature (both) connections
 - 3. Reverse field or armature (any one) connection
 - 4. Interchange supply wires

Question ID : 6044818700
Status : Answered
Chosen Option : 3

Q.93 Permanent magnet moving coil instruments are used with _____ supply only.

- Ans
- 1. electric
 - 2. pulsating
 - 3. DC
 - 4. AC

Question ID : 6044818723
Status : Answered
Chosen Option : 3

Q.94 The full form of ACSR in ACSR wire is:

- Ans
- 1. Aluminium conductor super reinforced
 - 2. Aluminium current steel reinforced
 - 3. Aluminium conductor super resistance
 - 4. Aluminium conductor steel reinforced

Question ID : 6044818679
Status : Answered
Chosen Option : 4

Q.95 An alternator works on electromagnetic induction, based on the law of:

- Ans
- 1. Lenz's
 - 2. Ohm's
 - 3. Ampere's
 - 4. Faraday's

Question ID : 6044818718
Status : Answered
Chosen Option : 4

Q.96 A bird sitting on one of the line conductor of a three-phase line will:

- Ans
- 1. fall down
 - 2. receive an electric shock but does not die
 - 3. be safe
 - 4. receive an electric shock and die

Question ID : 6044818750
Status : Answered
Chosen Option : 3

Q.97 Moving iron-type instruments are used on ____.

Ans

Question ID : 6044818781
Status : Answered

- 1. AC supply only
- 2. DC supply only
- 3. both AC and DC supply
- 4. neither on AC nor on DC supply

Chosen Option : 3

Q.98 For an induction motor with the power of 10 HP, the induction motor starter will be:

- Ans 1. Star-delta starter
- 2. DOL starter
 - 3. Resistance type starter
 - 4. Auto transformer starter

Question ID : 6044818735

Status : Answered

Chosen Option : 2

Q.99 An electrical fire should only be extinguished by:

- Ans 1. the use of foam-type fire extinguishers
2. the use of carbon tetrachloride fire extinguishers
- 3. the use of soda-acid-type fire extinguishers
 - 4. the use of water

Question ID : 6044818751

Status : Answered

Chosen Option : 2

Q.10₀ HRC fuse stands for:

- Ans 1. High running capacity fuse
- 2. Heavy rupturing capacity fuse
 - 3. High rupturing capacity fuse
 - 4. High resistance capacity fuse

Question ID : 6044818747

Status : Answered

Chosen Option : 3

Q.10₁ The work done by a starter in a DC motor is:

- Ans 1. Controlling starting current
- 2. Reducing back emf
 - 3. Reducing armature resistance
 - 4. Increasing resistance in the field circuit

Question ID : 6044818702

Status : Answered

Chosen Option : 1

Q.10₂ The combination of a three-phase induction motor and DC generator is called:

- Ans 1. Invertor set
- 2. Motor generator set (MG SET)
 - 3. Motor alternator set
 - 4. Motor condenser set

Question ID : 6044818745

Status : Answered

Chosen Option : 2

Q.10₃ Overload relay protects a motor from:

- Ans 1. Loss current
- 2. Low voltage

Question ID : 6044818748

Status : Answered

Chosen Option : 3

3. Over current
 4. Over voltage

Q.10
4 In cable insulation test by megger between phase to phase and phase to neutral, resistance should NOT be less than:

- Ans 1. 1 megaohm
 2. 5000 Ω
 3. 1500 Ω
 4. 2000 Ω

Question ID : 6044818701
 Status : Not Answered
 Chosen Option : --

Q.10
5 The flow of electrons is called:

- Ans 1. Frequency
 2. Voltage
 3. Electric current
 4. Resistance

Question ID : 6044818674
 Status : Answered
 Chosen Option : 3

Q.10
6 The current coil of single-phase energy meter is wound on:

- Ans 1.
 both the limbs of the laminated core with same number of turns
 2.
 both the limbs of the laminated core with different turns
 3. the centre of the limb on the laminated core
 4. one limb of the laminated core

Question ID : 6044818778
 Status : Not Answered
 Chosen Option : --

Q.10
7 The tool used for the accurate measurement of 90° angles is:

- Ans 1. Wooden scale
 2. Try square
 3. Plumb bob
 4. Steel tape

Question ID : 6044818673
 Status : Answered
 Chosen Option : 2

Q.10
8 The voltage supplied by one cell of a lead-acid battery is:

- Ans 1. approximately 2 V
 2. approximately 1.2 V
 3. approximately 1.5 V
 4. approximately 0.8 V

Question ID : 6044818762
 Status : Answered
 Chosen Option : 1

Q.10
9 Which type of motor is used in an electric mixer?

- Ans 1. Split phase motor
 2. Universal motor
 3. Permanent capacitor motor

Question ID : 6044818742
 Status : Answered
 Chosen Option : 2

4. Shaded pole motor

Q.11
0 Which two major parts are found in any electrical machine?

- Ans 1. Carbon brush and rotor
 2. Main pole and interpole
 3. Commutator and interpole
 4. Stator and rotor

Question ID : 6044818694

Status : Answered

Chosen Option : 4

Q.11
1 The unit of luminous flux is ____.

- Ans 1. lux
 2. lumen
 3. candela
 4. meter candle

Question ID : 6044818782

Status : Answered

Chosen Option : 2

Q.11
2 The difference between the printed and effective value of resistance is called:

- Ans 1. Specific resistance
 2. Thermistors
 3. Power factor
 4. Tolerance

Question ID : 6044818691

Status : Answered

Chosen Option : 4

Q.11
3 Geyser, electric iron and heater all work on the principle of:

- Ans 1. Lighting effect
 2. Magnetic effect
 3. Heating effect
 4. Chemical effect

Question ID : 6044818692

Status : Answered

Chosen Option : 3

Q.11
4 Which of the following is NOT a part of a squirrel-cage induction motor?

- Ans 1. Shaft
 2. Stator
 3. Rotor
 4. Carbon brushes

Question ID : 6044818785

Status : Answered

Chosen Option : 4

Q.11
5 Centrifugal switch is disconnect on _____ of maximum speed.

- Ans 1. 90 %
 2. 50 %
 3. 75 %
 4. 25 %

Question ID : 6044818740

Status : Answered

Chosen Option : 3

Q.11
6 If the peak value of AC voltage is 500V, what would be the RMS value?

- Ans 1. 400 Volt

Question ID : 6044818712

Status : Answered

- 2. 550 Volt
- 3. 500 Volt
- 4. 353.5 Volt

Chosen Option : 4

Q.11
7 Earth leakage circuit breaker is also known as:

- Ans
- 1. Molded case circuit breaker
 - 2. Miniature circuit breaker
 - 3. Residual current circuit breaker
 - 4. Oil circuit breaker

Question ID : 6044818708

Status : Answered

Chosen Option : 3

Q.11
8 The emf equation of a DC generator is:

- Ans
- 1. $E = Q \cdot N \cdot Z \cdot A / 60 \cdot P$
 - 2. $E = Q \cdot N \cdot Z \cdot A / 60$
 - 3. $E = Q \cdot N \cdot Z \cdot P / 60 \cdot A$
 - 4. $E = Q \cdot N \cdot Z / 60 \cdot P \cdot A$

Question ID : 6044818695

Status : Answered

Chosen Option : 3

Q.11
9 Which of the below is correct as per Ohm's law?

- Ans
- 1. $V = R - I$
 - 2. $V = I - R$
 - 3. $V = I + R$
 - 4. $V = IR$

Question ID : 6044818682

Status : Answered

Chosen Option : 4

Q.12
0 In wave winding how many paths are Parallel to "A"?

- Ans
- 1. $A = 8$
 - 2. $A = 4$
 - 3. $A = 6$
 - 4. $A = 2$

Question ID : 6044818731

Status : Answered

Chosen Option : 4

Section : General English

Comprehension:

Read the following passage and answer the questions given:

Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhanji Babi, then Nawab of

the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq. km of the Gir sanctuary was declared a National Park where strict wildlife and forest laws were put in place. Today, lions have extended their territory beyond the Gir forest and are ranging other protected areas spread across Junagadh, Gir Somnath, Amreli and Bhavnagar districts in Saurashtra region.

The lion population has seen a steady growth over the last four decades. International Union for Conservation of Nature (IUCN), a global body working for conservation of the natural world, had categorised Asiatic lions as a critically endangered species in 2000 when the population of the big cat was around 300 as per the 1995 population estimation exercise. But, as the population of the carnivore improved to 359 individuals by the year 2005, the risk level was downgraded by IUCN. Their population improved to 411 by 2010 and to 523 by 2015. The big cats, however, continue to be an endangered species on IUCN Red List of Threatened Species on the grounds of the size of its population and the fact that the Asiatic lions are surviving in one subpopulation.

The population growth of 27.25 per cent between 2010 and 2015 was the highest in the recorded history of Gir. Among all the four districts with lion population, Amreli had recorded the highest—61 per cent growth. The number of Asiatic lions in Amreli went up from 108 in 2010 to 174 in 2015. This rate was only 16 per cent in Junagadh-Gir Somnath and 12 per cent in Bhavnagar. More interestingly, the population of lions living outside protected areas (PA) or on agro-pastoral land grew by a hefty 126 per cent in the five years taking their number to 167 from 74.

SubQuestion No : 1

Q.1 In which district was the population growth of the Asiatic lions was the highest?

- Ans
- 1. Amreli
 - 2. Junagarh
 - 3. Bhavnagar
 - 4. Gir Somnath

Question ID : 6044818793

Status : Answered

Chosen Option : 1

Comprehension:

Read the following passage and answer the questions

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Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhanji Babi, then Nawab of the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq. km of the Gir sanctuary was declared a National Park where strict wildlife and forest laws were put in place. Today, lions have extended their territory beyond the Gir forest and are ranging other protected areas spread across Junagadh, Gir Somnath, Amreli and Bhavnagar districts in Saurashtra region.

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SubQuestion No : 2

Q.2 It can be inferred from the passage that _____.

An
s 1.

the population of Asiatic lions has seen a steady downfall since 2000.

 2.

Asiatic lions have always lived in the Gir and nearby areas.

 3.

since the early 19th century, the Asiatic lions have been confined to Gir forest.

 4.

before the 20th century, Asiatic lions were spread in many parts of Asia.

Question ID : 6044818792

Status : Answered

Chosen Option : 3

Comprehension:

Read the following passage and answer the questions given:

Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhani Babi, then Nawab of the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq. km of the Gir sanctuary was declared a National Park where strict wildlife and forest laws were put in place. Today, lions have extended their territory beyond the Gir forest and are ranging other protected areas spread across Junagadh, Gir Somnath, Amreli and Bhavnagar districts in Saurashtra region.

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was around 300 as per the 1995 population estimation exercise. But, as the population of the carnivore improved to 359 individuals by the year 2005, the risk level was downgraded by IUCN. Their population improved to 411 by 2010 and to 523 by 2015. The big cats, however, continue to be an endangered species on IUCN Red List of Threatened Species on the grounds of the size of its population and the fact that the Asiatic lions are surviving in one subpopulation. The population growth of 27.25 per cent between 2010 and 2015 was the highest in the recorded history of Gir. Among all the four districts with lion population, Amreli had recorded the highest—61 per cent growth. The number of Asiatic lions in Amreli went up from 108 in 2010 to 174 in 2015. This rate was only 16 per cent in Junagadh-Gir Somnath and 12 per cent in Bhavnagar. More interestingly, the population of lions living outside protected areas (PA) or on agro-pastoral land grew by a hefty 126 per cent in the five years taking their number to 167 from 74.

SubQuestion No : 3

Q.3 In the year 2005, what was the count of the Asiatic lions in the protected area of Gir Forest?

- Ans
- 1. 300 lions
 - 2. 411 lions
 - 3. 359 lions
 - 4. 523 lions

Question ID : 6044818794

Status : Answered

Chosen Option : 3

Comprehension:

Read the following passage and answer the questions given:

Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhanji Babi, then Nawab of the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq km of the Gir

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SubQuestion No : 4

Q.4 Why are the Asiatic lions on the Red List of the International Union For Conservation of Nature (IUCN)?

Question ID : 6044818795

Status : Answered

Chosen Option : 1

- Ans
- 1. They are surviving in one subpopulation.
 - 2. They are threatened by poachers and diseases.
 - 3. Their population is increasing slowly.
 - 4. Their growth rate is going down steadily.

Comprehension:

Read the following passage and answer the questions

given:

Gir forest and other protected areas around it—Pania Wildlife Sanctuary, Mitiyala Wildlife Sanctuary, Girnar Wildlife Sanctuary, Amreli social forestry division and Bhavnagar—is the last abode of the Asiatic lion. Once spread across many parts of Asia, Asiatic lions were restricted to Gir forest by the beginning of the 20th century. Rampant hunting over previous centuries had reduced their population to just a few dozen surviving in Gir. But Rasulkhanji Babi, then Nawab of the erstwhile state of Junagadh, put a ban on the hunting of the big cats and helped recover their population from the brink of extinction. Gir forest was declared a sanctuary in 1965. Subsequently, in 1975, 258.71 sq. km of the Gir sanctuary was declared a National Park where strict wildlife and forest laws were put in place. Today, lions have extended their territory beyond the Gir forest and are ranging other protected areas spread across Junagadh, Gir Somnath, Amreli and Bhavnagar districts in Saurashtra region.

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SubQuestion No : 5

Q.5 By reading the above passage, it can be said that this is _____.

- Ans
- 1. an note on the history of Asiatic lions
 - 2. a research report on the growth rate of the Asiatic lions
 - 3. a news item on the Asiatic lion
 - 4. an article on the survival of Asiatic lions

Question ID : 6044818791

Status : Answered

Chosen Option : 2

Q.6 Choose the option which has an error.
Scarcely was / the whistle blow / before the athletes / leapt forward.

- Ans
- 1. leapt forward
 - 2. before the athletes
 - 3. the whistle blow
 - 4. Scarcely was

Question ID : 6044818805

Status : Answered

Chosen Option : 3

Q.7 Choose the option that is the correct indirect form of the given sentence.
He said to her, "Why are you looking so sad?"

- Ans
- 1. He asked her why she is sad.
 - 2. He asked her why she was sad.
 - 3. He asked her why she was looking so sad.
 - 4. He asked her why she is looking so sad.

Question ID : 6044818803

Status : Answered

Chosen Option : 3

Q.8 Choose the option that is the synonym of the given word.
Eternal

- Ans
- 1. External
 - 2. Everlasting
 - 3. Short-term
 - 4. Expert

Question ID : 6044818797

Status : Answered

Chosen Option : 2

Q.9 Choose the option that is the synonym of the given word.
Vital

- Ans
- 1. Normal
 - 2. Satisfactory
 - 3. Quick
 - 4. Important

Question ID : 6044818796

Status : Answered

Chosen Option : 4

Q.10 Choose the option that is the meaning of the underlined idiom.
You can't go out. It's raining cats and dogs.

Question ID : 6044818800

Status : Answered

- Ans
- 1. Dogs chasing cats
 - 2. Intermittent rain
 - 3. Raining heavily
 - 4. Rain falling on cats and dogs

Chosen Option : 3

Q.11 Choose the option that is the antonym of the given word.
Harmony

- Ans
- 1. Unity
 - 2. Order
 - 3. Imbalance
 - 4. Evenness

Question ID : 6044818798

Status : Answered

Chosen Option : 3

Q.12 Choose the option which has an error.
Tagore Gitanjali / is a / collection of / short poems.

- Ans
- 1. short poems.
 - 2. collection of
 - 3. is a
 - 4. Tagore Gitanjali

Question ID : 6044818804

Status : Answered

Chosen Option : 4

Q.13 Choose the correct option to fill in the blanks.
This is the _____ news from the scene of the accident.

- Ans
- 1. farthest
 - 2. late
 - 3. further
 - 4. latest

Question ID : 6044818801

Status : Answered

Chosen Option : 4

Q.14 Choose the option that is the antonym of the given word.
Adhere

- Ans
- 1. Disregard
 - 2. Agree
 - 3. Support
 - 4. Comply

Question ID : 6044818799

Status : Answered

Chosen Option : 2

Q.15 Choose the option that is the correct indirect form of the given sentence.
Abhinav said, "I am going to play the drums."

- Ans
- 1. Abhinav said that he was going to play the drums.
 - 2. Abhinav said that he will go and play the drums.
 - 3. Abhinav said that he is playing the drums.

Question ID : 6044818802

Status : Answered

Chosen Option : 1

4.

Abhinav said that he is going to play the drums.

Section : Reasoning

Q.1 Choose the pair that is similar to the given pair.

Snake : Hiss :: _____ : _____

Ans 1. Donkey : Bray

2. Bird : Fly

3. Frog : Mew

4. Cat : Kitten

Question ID : 6044818808

Status : Answered

Chosen Option : 1

Q.2 Punitha starts from her office towards west. After walking a distance of 25 m, she turns right and walks 15 m. She then turns left and moves a distance of 10 m. She turns to her left again and walks 35 m. She turns to the left and walks 5 m. Finally, she turns to her left. In which direction is she walking now?

Ans 1. North

2. East

3. West

4. South

Question ID : 6044818806

Status : Answered

Chosen Option : 1

Q.3 Find the term which does NOT fit into the given series:

1BU, 5FQ, 9JM, 13NI, 17SE, 21VA

Ans 1. 17SE

2. 21VA

3. 9JM

4. 5FQ

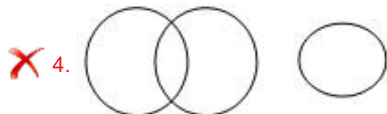
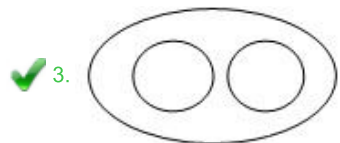
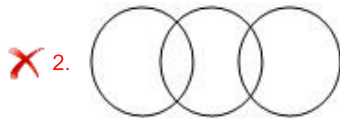
Question ID : 6044818807

Status : Answered

Chosen Option : 1

Q.4 Which of the following Venn diagrams correctly represents Tiger, Elephant and Animals?

Ans



Question ID : 6044818816

Status : Answered

Chosen Option : 3

Q.5 Which one of the following four interchanges in signs and numbers would make the given equation correct?

$$(25 \div 25) + 6 - 5 = 2$$

Question ID : 6044818815

- Ans 1. + and - , 5 and 6
 2. - and ÷ , 6 and 5
 3. + and - , 25 and 5
 4. + and ÷ , 25 and 6

Status : Answered
 Chosen Option : 1

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

'M + N' means 'M is the son of N';
 'M - N' means 'M is the wife of N';
 'M × N' means 'M is the brother of N'

What does $X + Y - Z$ mean?

- Ans 1. Z is the father of X
 2. Z is the brother of X
 3. Z is the uncle of X
 4. Z is the son of X

Question ID : 6044818819
 Status : Answered
 Chosen Option : 1

Q.7 Identify the odd one from the following options:

- Ans 1. School
 2. Director
 3. Actor
 4. Cinema

Question ID : 6044818810
 Status : Answered
 Chosen Option : 1

Q.8 In a certain code, WIND is written as UGLB. How will SEASON be written in that code?

- Ans 1. QCZQML
 2. QCYQML
 3. QCYQNL
 4. QCYPML

Question ID : 6044818809
 Status : Answered
 Chosen Option : 2

Q.9 Consider the following statements to be true even if they seem to be at variance from commonly known facts and decide which of the conclusions logically follows from the statements.

Statements:

- All boats are cups.
- No cup is a flower.

Conclusions:

- I. Some boats are flowers.
- II. Some flowers are cups.

- Ans 1. Only conclusion I follows
 2. Neither conclusion I nor II follows
 3. Both conclusions I and II follow
 4. Only conclusion II follows

Question ID : 6044818814
 Status : Answered
 Chosen Option : 2

Q.10 Choose the pair that is similar to the following pair:

15 : 256 :: _____ : _____

- Ans 1. 14 : 196
 2. 10 : 1000

Question ID : 6044818817
 Status : Answered
 Chosen Option : 3

✓ 3. 29 : 900

✗ 4. 20 : 440

Q.11 Identify the odd one from the following options:

Ans ✗ 1. Yen

✗ 2. Dollar

✓ 3. Oslo

✗ 4. Rial

Question ID : 6044818820

Status : Answered

Chosen Option : 3

Q.12 Find the number which when added to itself 14 times gives 225.

Ans ✓ 1. 15

✗ 2. 14

✗ 3. 20

✗ 4. 17

Question ID : 6044818818

Status : Answered

Chosen Option : 1

Q.13 In the following question, if the letters of the given words are used as many times as one wants to use them, which one of the given four options CANNOT be formed?

POPULATION

Ans ✗ 1. LOTION

✗ 2. TUTION

✗ 3. NATION

✓ 4. ACTION

Question ID : 6044818812

Status : Answered

Chosen Option : 4

Q.14 In the series 3, 6, 12, 24, _____, what will be the 11th term?

Ans ✗ 1. 1072

✓ 2. 3072

✗ 3. 3027

✗ 4. 1027

Question ID : 6044818821

Status : Answered

Chosen Option : 2

Q.15 Find the missing number from the following:

64	100	144
25	169	1
81	196	256
22	37	?

Ans ✗ 1. 28

✗ 2. 27

✗ 3. 31

✓ 4. 29

Question ID : 6044818813

Status : Answered

Chosen Option : 4

Q.16 Murali is 14th from the right-end in a row of 40 students. What is his position from the left-end?

- Ans
- 1. 27th
 - 2. 26th
 - 3. 28th
 - 4. 25th

Question ID : 6044818811
 Status : Answered
 Chosen Option : 1

Q.17 Find the missing term in the following table:

5E	35F	7G
9I	?	10K
12L	180M	15N

- Ans
- 1. 91J
 - 2. 99J
 - 3. 19J
 - 4. 90J

Question ID : 6044818822
 Status : Answered
 Chosen Option : 4

Section : Quantitative Aptitude

Q.1 A shopkeeper sold an article at a discount of 20% on the marked price and earned a profit of 16%. Had he sold the article at marked price, what would be his profit percent?

- Ans
- 1. 38 %
 - 2. 36 %
 - 3. 40 %
 - 4. 45 %

Question ID : 6044818833
 Status : Answered
 Chosen Option : 4

Q.2 A boat goes 20 km upstream and 30km downstream in 2 hours 32 minutes. If speed of stream is 5 km/h, what is speed of boat in still water in km/h?

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

Question ID : 6044818836
 Status : Answered
 Chosen Option : 4

Q.3 A sum of money is divided among A, B, C and D in the proportion of $\frac{3}{4} : \frac{4}{5} : \frac{6}{7} : \frac{7}{8}$. If B gets ₹ 70 more than A, then what is the share of D?

- Ans
- 1. ₹ 1,025
 - 2. ₹ 990
 - 3. ₹ 1,175
 - 4. ₹ 1,225

Question ID : 6044818827
 Status : Answered
 Chosen Option : 4

Q.4 Two pipes A and B can fill a tank in 60 minutes and 80 minutes respectively, whereas the third pipe C can empty the full tank in 120 minutes. If all three pipes are opened together, in how many minutes the tank will be filled?

- Ans
- 1. 42
 - 2. 48

Question ID : 6044818839
 Status : Answered
 Chosen Option : 2

3. 45

4. 52

Q.5 A solid sphere of radius 5 cm is melted and recast into solid cylinders of height 2 cm and radius 1 cm. How many such cylinders can be formed?

Ans 1. 84

2. 78

3. 75

4. 83

Question ID : 6044818831

Status : Answered

Chosen Option : 4

Q.6 What is the sum of digits of the least number which when divided by 8, 10, 12 and 27 leaves remainder 9 in each case and is divisible by 13?

Ans 1. 19

2. 17

3. 16

4. 18

Question ID : 6044818825

Status : Answered

Chosen Option : 4

Q.7 The value of a machine depreciates every years by 10%. If the present value of the machine is ₹ 80,000, what is the percent decrease in its value at the end of 3 years?

Ans 1. 28.4 %

2. 27.1 %

3. 29.2 %

4. 30 %

Question ID : 6044818838

Status : Answered

Chosen Option : 2

Q.8 In a class test, out of 200 students, 62 % passed in Hindi and 58 % passed in English. If 25 % of the number of students failed in both, how many passed in both subjects?

Ans 1. 90

2. 55

3. 110

4. 45

Question ID : 6044818832

Status : Answered

Chosen Option : 1

Q.9 What is the sum of mean proportional between 1.4 and 35 and the third proportional to 6 and 9?

Ans 1. 20.5

2. 18.5

3. 16.5

4. 21.5

Question ID : 6044818828

Status : Answered

Chosen Option : 1

Q.10 The value of $0.4\overline{6} - 0.5\overline{89} + 0.3\overline{33}$ is equal to:

Ans 1. $0.2\overline{11}$

2. $0.2\overline{14}$

3. $0.2\overline{10}$

4. $0.2\overline{1}$

Question ID : 6044818826

Status : Answered

Chosen Option : 2

Q.11 Two vessels A and B contains spirit and water in the ratio 2 : 3 and 7 : 3 respectively. Their contents are mixed in the ratio 4 : 5. In 360 mL of this solution, how much water should be mixed to get a solution containing equal quantity of spirit and water by volume?

Ans 1. 45 mL

2. 52 mL

Question ID : 6044818829

Status : Answered

Chosen Option : 2

3. 48 mL

4. 56 mL

Q.12 The sides of a triangle are 10 cm, 24 cm and 26 cm. At each vertex of the triangle, circles of radius 3 cm are drawn. What is the area of the triangle in cm^2 , excluding the portion enclosed by circles? ($\pi = 3.14$)

Ans 1. 102.37

2. 91.74

3. 105.87

4. 96.82

Question ID : 6044818830

Status : Answered

Chosen Option : 4

Q.13 If, $\sqrt{21 - 12\sqrt{3}} = a + b\sqrt{3}$, then $(2a + 3b)$ is equal to:

Ans 1. 6

2. 8

3. 0

4. 5

Question ID : 6044818840

Status : Answered

Chosen Option : 3

Q.14 The average of 31 numbers is 48. Out of these, the average of first 16 numbers is 38 and the average of last 16 number is 58. If the middle number is excluded, what is the average of remaining numbers?

Ans 1. 52

2. 45

3. 50

4. 48

Question ID : 6044818834

Status : Answered

Chosen Option : 4

Q.15 The value of $5^2 - 6^2 + 7^2 - 8^2 + 9^2 - 10^2 + \dots + 19^2 - 20^2$ is:

Ans 1. - 230

2. - 220

3. - 210

4. - 200

Question ID : 6044818823

Status : Answered

Chosen Option : 4

Q.16 The efficiency of A and B to do a work is in the ratio 3 : 5. Working together they can complete a work in 30 days. In how many days A alone will complete that work?

Ans 1. 56

2. 80

3. 72

4. 48

Question ID : 6044818837

Status : Answered

Chosen Option : 2

Q.17 If a train runs with the speed of 90 km/h, it reaches its destination late by 12 minutes. But, if its speed is 100 km/h, it is late by 2 minutes. The correct time to the train to covers its journey in minutes is:

Ans 1. 78

2. 84

3. 88

4. 128

Question ID : 6044818835

Status : Not Answered

Chosen Option : --

Q.18 The HCF and LCM of two numbers are 12 and 360 respectively. If the sum of the numbers is 132, what is sum of their reciprocals?

Ans 1. $\frac{11}{360}$

Question ID : 6044818824

Status : Answered

Chosen Option : 1

~~2.~~ $\frac{1}{60}$

~~3.~~ $\frac{13}{180}$

~~4.~~ $\frac{1}{36}$

