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Q2.In which city was the first SCO digital exhibition dedicated to Buddhist heritage inaugurated?
बौद्ध धरोहरों को समर्पित पहली SCO डिजिटल प्रदर्शनी का उद्घाटन किस शहर में किया गया ?
(a) New Delhi/नई दिल्ली   (b) Lucknow/लखनऊ
(c) Mumbai /मुंबई   (d) Patna /पटना

Q3. Jawai Dam is in which state?
जवाई बाँध किस राज्य में है ?
(a) Rajasthan/ राजस्थान   (b) Gujarat/ गुजरात
(c) Haryana/ हरियाणा   (d) Madhya Pradesh/ मध्य प्रदेश

Q4. Who has been appointed as Director General of the Central Industrial Security Force (CISF)
केंद्रीय औद्योगिक सुरक्षा बल (CISF) के महानिदेशक के रूप में किसे नियुक्त किया गया है?
(a) S S Deswal /एस एस देशवाल
(b) Subodh Kumar Jaiswal/सुबोध कुमार जायसवाल
(c) A P Maheshwari/ए पी माहेश्वरी
(d) Rakesh Asthana/राकेश अस्थाना

Q5. The famous Nek Chand's Rock Garden is located in:
प्रसिद्ध नेक चंद रॉक गार्डन कहाँ स्थित है ?
(a) Srinagar/ श्रीनगर   (b) Jammu/ जम्मू
(c) Chandigarh/ चंडीगढ़   (d) Shimla/ शिमला

Q6. The Gandhi-Irwin pact was signed in the year
गांधी-इरविन समझौते पर किस वर्ष हस्ताक्षर किया गया था ?
(a) 1930   (b) 1931   (c) 1932   (d) 1933

Q7. The name of the first bank established in India was
भारत में स्थापित पहले बैंक का नाम बताएं |
(a) Bank of Hindustan/ बैंक ऑफ़ हिंदुस्तान
(b) Reserve Bank of India/ भारतीय रिज़र्व बैंक
(c) Imperial Bank/ इम्पीरियल बैंक
(d) State Bank of India/ भारतीय स्टेट बैंक

Q8. For how many months is a cheque valid from the date of issue?
कोई चेक जारी होने के बाद कितने महीनों तक वैध रहता है ?
(a) 1 month   (b) 2 months   (c) 3 months   (d) 6 months

Q9. Who served as the first Deputy Prime Minister of independent India?
स्वतंत्र भारत के पहले उप प्रधानमंत्री के रूप में किसने कार्य किया था ?
(a) K. Kamaraj/ के. कामराज
(b) Morarji Desai./ मोरारजी देसाई
(c) Sardar Vallabhbhai Patel/ सरदार वल्लभभाई पटेल
(d) C. Rajagopalachari/ सी. राजगोपालाचारी

Q10. Which key on a windows keyboard sets to full screen mode in most browsers?
अधिकतर ब्राउज़र में विंडोज कीबोर्ड की कौन सी कुंजी फुल स्क्रीन मोड सेट कर देती है?
(a) F1   (b) F10   (c) F11   (d) F12

Q11. National Science Day falls on?
राष्ट्रीय विज्ञान दिवस किस दिन मनाया जाता है ?
(a) 26th February/ 26 फरवरी   (b) 27th February/ 27 फरवरी
(c) 28th February/ 28 फरवरी   (d) 29th February/ 29 फरवरी

Q12. After the 9/11 tragedy, the rebuilt World Trade Center complex in New York is called.
9/11 के हादसे के बाद, न्यूयॉर्क में पुन:निर्मित वर्ल्ड ट्रेड सेंटर परिसर क्या कहलाता है?
(a) New World Trade Center/ न्यू वर्ल्ड ट्रेड सेंटर
(b) Empire State Building/ एम्पायर स्टेट बिल्डिंग
(c) One World Trade Center/ वन वर्ल्ड ट्रेड सेंटर
(d) World Trade Complex/ वर्ल्ड ट्रेड काम्प्लेक्स

Q13. The instrument used to regulate temperature to a particular degree is called
वह उपकरण जिसका प्रयोग एक विशेष डिग्री पर तापमान को नियंत्रित करने के लिए किया जाता है -
(a) Thermostat/ तापस्थापी   (b) Thermometer/ तापमापी
(c) Pyrometer/ उत्ताप मापक   (d) Thermocouple/थर्मोकपल

Q14.Who has been appointed as the new CEO of the National Health Authority?
राष्ट्रीय स्वास्थ्य प्राधिकरण के नए CEO के रूप में किसे नियुक्त किया गया है?
(a) Swaminathan Janakiraman/स्वामीनाथन जानकीरमन
(b) RS Sharma/आरएस शर्मा
(c) Aswini Kumar Tewari/अश्विनी कुमार तिवारी
(d) J K Shivan/जे के शिवन

Q15. The "Nine Dash Line" is located in which sea?
"नाइन डैश लाइन" किस समुद्र में स्थित है ?
(a) Bering Sea/ बेरिंग सागर   (b) Caspian Sea/ कैस्पियन सागर
(c) Indian Ocean/हिंद महासागर   (d) South China Sea/ दक्षिण चीन सागर

Q16. Which state has launched the Mahasamruddhi Mahila Sashaktikaran scheme on the International Women's Day 2021?
किस राज्य ने अंतर्राष्ट्रीय महिला दिवस 2021 पर महासमुद्रि महिला सशक्तिकरण योजना शुरू की है
(a) Odisha/ओडिशा   (b) Maharashtra/महाराष्ट्र
(c) Madhya Pradesh/मध्य प्रदेश   (d) Rajasthan/राजस्थान

Q17. Which is the smallest country in the "Horn of Africa"?
"हॉर्न ऑफ़ अफ्रीका" में आने वाला सबसे छोटा देश कौन सा है ?
(a) Ethiopia/ इथियोपिया   (b) Eritrea/ इरिट्रिया
(c) Djibouti/ जिबूती   (d) Somalia/ सोमालिया

Q18. Where is the "Lingaraj Temple" in India?
भारत में 'लिंगराज मंदिर' कहाँ स्थित है ?
(a) Cuttack/ कटक   (b) Puri/ पुरी
(c) Bhubaneshwar/ भुवनेश्वर   (d) Kolkata/ कोलकाता

Q19. "C 60" Anti Naxal force works in which state?
"सी 60" नक्सल विरोधी बल किस राज्य में कार्य करता है ?

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यदि x + y = 11 है और xy = 24 है, जहाँ x > y, तो $(x^3 - y^3)$ का मान क्या होगा ?
(a) 454   (b) 512   (c) 539   (d) 485

Q24. In a Δ ABC, the bisectors of $\angle B$ and $\angle C$ meet at point O inside the triangle. If $\angle BOC = 132^0$, then the measure of $\angle A$
Δ ABC में, $\angle B$ तथा $\angle C$ के द्विभाजक त्रिभुज के भीतर बिंदु O पर मिलते हैं | यदि $\angle BOC = 132^0$ है, तो $\angle A$ का माप क्या होगा
(a) 64^0 (b) 96^0 (c) 72^0 (d) 84^0

Q25. If x is subtracted from 25, 18, 67 and 46 each, numbers so obtained in this order are in proportion. What is the mean proportional of (x + 5) and (2x + 1)?
यदि x को 25, 18, 67 और 46 में से प्रत्येक से घटाया जाता है, तो प्राप्त होने वाली संख्याएं समानुपात में आती हैं | (x + 5) और (2x + 1) के बीच मध्य आनुपातिक ज्ञात करें |
(a) 15   (b) 12   (c) 9   (d) 8

English

Q1. Select the synonym of the given word.
Abrupt
(a) curt   (b) smooth   (c) courteous   (d) Continue

Q2. In the sentence identify the segment which contains the grammatical error.
Seldom we have been treated in such a rude manner.
(a) Seldom we have been   (b) treated in such
(c) a rude manner.   (d) No error

Q3. In the following question, the sentence with blank to be filled with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.
Hopefully the interior designer will be able to turn our _____ ideas into the house of our dreams.
(a) illusive   (b) deceptive   (c) abstract   (d) imaginary

Q4. Select the antonym of the given word.
HASTY
(a) sudden   (b) cautions   (c) reckless   (d) urgent

Q5. Select the correctly spelt word.
(a) Blandishment   (b) Blendishment
(c) Belendishment   (d) Balendishment

Q6-10 In the following passage there are blanks each of which has been numbered. These numbers are printed below the passage and against each, four words are suggested, one of which fits the blanks appropriately. Find out the appropriate word in each case.

Any regular viewer of programmes on the television will certainly have some reservations about commercials. When television shows are ....(6).... good, the commercials that ....(7).... them are a disgrace. One of the many bad ....(8).... of commercials is their loudness. They seem to be ....(9).... as loud as the program and the viewer is almost ....(10).... when they come on.
Q6.(a)reasonably (b)rationally (c)unreasonably (d) irrationally
Q7. (a) join (b) accommodate (c) accompany (d) admit
Q8. (a) features (b) feature (c) property (d) mark
Q9. (a) two (b) pair (c) twice (d) double
Q10.(a) deafening (b) blind (c) deafened (d) deaf

Q 11. Select the correctly spelt word.
(a) Commandent (b) Dissyllable (c) Acqueisce (d) Frieght

Q12.In the following question, the sentence with blank to be filled with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.
Sushil was taken _____ by Sunder's rude comment about his hair.
(a) away   (b) from   (c) aback   (d) off

Q13. Select the word which means the same as the group of words given.
A formal agreement between individuals or parties.
(a) protocol   (b) norm   (c) league   (d) pact

Q14. In the following question, out of the four alternatives, select the alternative which will improve the underlined part of the sentence. In case no improvement is needed, select 'no improvement'.
The patient died of a wound and not of cancer.
(a) from a wound and not of   (b) of a wound and not from
(c) from a wound and not from   (d) no improvement

Q15. In the following question, the sentence with blank to be filled with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.
Raman walked in front, leaning on a stick and _____ limping.
(a) marginally (b) imperceptibly (c) slightly (d) a little

Q16. 1 : When all the members were seated
P : during the previous year
Q: the secretary came to the dias
R : and read out the report
S : detailing the activities of the organisation
6 : and plans for the coming year.
The proper sequence should be
(a) PQRS   (b) SPQR   (c) RSPQ   (d) QRSP

Q17. P : So we were the privileged ones whom she chose to be friends with.
Q : She is the Sheldon of the group, with Sheldon I mean the

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Sol.19. (a) 'C 60' Anti Naxal force works in Gadchiroli in Maharashtra.

Sol.20. (b) Gajner Wildlife Sanctuary is located in Bikaner , Rajasthan.

Sol.21.(c) Himachal Pradesh
The 11th edition of the joint special forces military exercise 'Vajra Prahar ' between India and the United States was conducted at Special Forces Training School, at Bakloh, Himachal Pradesh.
'Vajra Prahar' is a Special Forces joint training exercise conducted alternately in India and the US to share the best practices and experiences in areas such as joint mission planning and operational tactics

Sol.22. (d) The most common bleaching fall into two categories : Chlorine and it's related compounds such as sodium hypochlorite, Calcium hypochlorite, Hydrogen peroxide, etc. Hydrogen sulfide is a chemical compound with the formula H_2S. It is a colorless chalcogen hydride gas with the characteristic foul odor of rotten eggs. It is very poisonous, corrosive, and flammable.
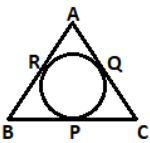
Sol.23. (a) Tendulkar made his Test debut against Pakistan in Karachi in November 1989 aged 16 years and 205 days. He made 15 runs, being bowled by Waqar Younis, who also made his debut in that match.

Sol.24. (d) The original constitution is hand-written, with each page decorated by artists from Shantiniketan including Beohar Rammanohar Sinha and Nandalal Bose. Its calligrapher was Prem Behari Narain Raizada. The constitution was published in Dehradun and photolithography by the Survey of India.

Sol.25. (b) Anti defection law came into existence by the 52nd Amendment Act, 1985. It is given in the Tenth Schedule of Indian Constitution.

Maths
Sol. 1. (c)

AQ = AR = 2.5, QC = PC = 3.5, BR = BP = 5…….(Tangents)
Perimeter of the triangle=AQ+AR+QC+PC+BR+BP
=2.5 + 2.5 + 3.5 + 3.5 + 5 + 5 = 22 cm

Sol. 2. (c) Had M sold 100 units on 3rd and 5th day total units sold by M = 100+119+43+152+76
Desired average = $\frac{490}{6} \approx 81.6$

Sol. 3. (c) Units Sold in Day 1 = 119
Units Sold in Day 4 = 152
Clearly the units sold in day 4 are increased by = 152-119 = 33

Sol. 4. (d) Required %age = $\frac{152-116}{116} \times 100 = 31.03\%$

Sol. 5. (b) Total units sold in all six days = 119+43+84+152+116+76 = 590
Desired average = $\frac{590}{6} = 98\frac{1}{3}$

Sol.6. (b) Let the original speed = s km/h, decreased speed = (s-18) km/h
We know that
D = $\frac{S_1 \times S_2}{S_1 - S_2}$ x t,   Here D = distance
According to the given question
$\frac{s(s-18)}{s-(s-18)} \times 2 = 315$
s(s-18) = 315 × 9
s(s-18) = 45 × 7 × 9
s(s-18) = 45 × 63 , ⇒ Clearly s = 63 km/h
$85\frac{5}{7}$ % of original speed = $63 \times \frac{6}{7} = 54$ km/h

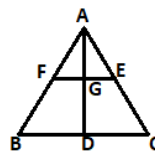Sol. 7. (c) Let the ages of A and B, 8 years ago, were 4x and 5x respectively.
According to the question
$\frac{4x+8+4}{5x+8+4} = \frac{11}{13}$, ⇒ 52x + 156 = 55x + 132
3x = 24 , ⇒ x = 8
Sum of their present age = 4x+8+5x+8 = 9x+16 = 9 × 8 +16 = 88

Sol. 8. (b)

Since FE ‖ BC
$\sqrt{\frac{area\ of\ \Delta AFE}{area\ of\ \Delta ABC}} = \frac{AG}{AD}$
Let area of $\Delta ABC = 2\ unit$, ⇒ area of $\Delta AFE = 1$ unit
⇒ $\frac{AG}{AD} = \frac{1}{\sqrt{2}}$
GD = AD-AG = $\sqrt{2}$ -1
GD : AD = $\sqrt{2}$ -1 : $\sqrt{2}$

Sol. 9. (b) Put $\theta = 45$
$\frac{2+tan^2\theta+cot^2\theta}{sec\theta.cosec\theta}$ ⇒ $\frac{2+1+1}{\sqrt{2}.\sqrt{2}} = 2$
Going through the options, only option B satisfies the given condition
$\tan\theta + Cot\theta = 1+1= 2$

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