



भारतीय कपास निगम लिमिटेड
एक मिनी रत्न कंपनी (भारत सरकार का उपक्रम, वस्त्र मंत्रालय के अंतर्गत)
The Cotton Corporation of India Ltd.
A Mini Ratna Company
(Government of India undertaking, Under Ministry of Textiles, CIN : U51490MH1970GOI014733)

Participant ID	
Participant Name	
Test Center Name	
Test Date	01/09/2026
Test Time	5:00 PM - 7:00 PM
Subject	Assistant Manager Information Technology

Section : General English

Q.1	Select the most appropriate antonym of the underlined word in the given sentence. He is the last <u>scion</u> of this clan.	
Ans	✓ 1. ancestor ✗ 2. leader ✗ 3. victim ✗ 4. scholar	
Question ID : 4410091463095 Option 1 ID : 4410095780523 Option 2 ID : 4410095780522 Option 3 ID : 4410095780525 Option 4 ID : 4410095780524 Status : Not Answered Chosen Option : -- Chosen Option ID : NA		



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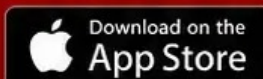


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Q.2	Select the appropriate proverb to replace the underlined phrase in the sentence below: Despite earning a fortune from his business, he wasted it all on luxuries, not realising that <u>money can quickly disappear if not handled wisely</u> .
Ans	✗ 1. time and tide wait for none
	✗ 2. money doesn't grow on trees
	✗ 3. easy come, easy go
	✓ 4. riches have wings

Question ID :	441009798560
Option 1 ID :	4410093148282
Option 2 ID :	4410093148280
Option 3 ID :	4410093148279
Option 4 ID :	4410093148281
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410093148280

Q.3	Select the option that rectifies the errors in the sentence given below. The university invited a MBA graduate to deliver an lecture on entrepreneurship and innovation.
Ans	✗ 1. The university invited a MBA graduate to deliver a lecture on entrepreneurship and innovation.
	✗ 2. The university invited a MBA graduate to deliver an lecture on entrepreneurship and innovation.
	✗ 3. The university invited an MBA graduate to deliver an lecture on entrepreneurship and innovation.
	✓ 4. The university invited an MBA graduate to deliver a lecture on entrepreneurship and innovation.

Question ID :	4410092076302
Option 1 ID :	4410098173839
Option 2 ID :	4410098173840
Option 3 ID :	4410098173838
Option 4 ID :	4410098173837
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410098173837

Q.4 Sentences of a paragraph are given below. While the first and the last part (S1) and (S6) are in correct order, the parts in between are jumbled up. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

S1. India's global leadership on
P. buildings has also been
Q. greatly strengthened by the presence
R. of independent organizations that provide
S. energy efficiency and sustainable green
S6. voluntary sustainability-focused rating standards

- Ans ☒ 1. SPQR
- ☐ 2. RQPS
- ☐ 3. PQRS
- ☐ 4. QSRP

Question ID :	4410091463017
Option 1 ID :	4410095780211
Option 2 ID :	4410095780213
Option 3 ID :	4410095780210
Option 4 ID :	4410095780212
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410095780211

Q.5 Choose the correct option that substitutes the underlined phrase in the given sentence.
The doctor diagnosed him with a/an chronic respiratory condition marked by recurrent wheezing and episodes of breathlessness.

- Ans ☐ 1. bronchitis
- ☒ 2. asthma
- ☐ 3. pneumonia
- ☐ 4. tuberculosis

Question ID :	4410092076320
Option 1 ID :	4410098173909
Option 2 ID :	4410098173912
Option 3 ID :	4410098173910
Option 4 ID :	4410098173911
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410098173912

Q.6	Select the most appropriate option to fill in the blank. The critic praised the novel for its _____ portrayal of grief, capturing subtle nuances often missed by others.
Ans	✓ 1. nuanced
	✗ 2. disoriented
	✗ 3. stagnant
	✗ 4. abrasive

Question ID :	4410091142578
Option 1 ID :	4410094505256
Option 2 ID :	4410094505255
Option 3 ID :	4410094505254
Option 4 ID :	4410094505257
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.7	Choose the correct option that substitutes the underlined phrase in the given sentence. She is known as <u>a/an person who studies the influence of stars and planets on human life and future events.</u>
Ans	✗ 1. psychologist
	✓ 2. astrologer
	✗ 3. analyst
	✗ 4. interpreter

Question ID :	4410092076308
Option 1 ID :	4410098173861
Option 2 ID :	4410098173864
Option 3 ID :	4410098173862
Option 4 ID :	4410098173863
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410098173864

	Comprehension:
	Read the following passage and answer the given questions. The true worth of books cannot be measured by their commercial value, popularity, or physical appearance. A great work of literature represents an encounter between the reader and a mind capable of transcending the limitations of its own age. Through books, individuals gain access to reflections that have survived generations because they continue to illuminate enduring aspects of human experience. Many people read hastily, treating books as sources of information to be consumed and discarded. Such an approach may increase familiarity with facts, but it rarely produces understanding. Serious reading demands patience, attention, and intellectual humility. The reader must be willing to engage with unfamiliar perspectives rather than merely seeking confirmation of existing beliefs. Books differ from ordinary conversation in a significant respect. In conversation, individuals often speak impulsively, expressing thoughts that may be incomplete or poorly considered. Great authors, however, present ideas refined through prolonged reflection. Their words represent not passing impressions but deliberate attempts to communicate what they regard as most valuable. To read attentively is therefore to participate in a dialogue conducted across time. Yet access to books alone does not guarantee wisdom. Libraries may be abundant while genuine learning remains scarce. The crucial distinction lies between possession and engagement. Owning books resembles owning musical instruments; neither produces excellence without sustained effort. Intellectual growth requires active participation rather than passive accumulation. A society that values serious reading cultivates citizens capable of independent judgment. Exposure to diverse ideas enlarges the imagination and refines the capacity for critical thought. Such benefits extend beyond personal enrichment. Communities depend upon individuals who can evaluate arguments, question assumptions, and appreciate complexity. In this sense, the study of literature serves not merely educational purposes but also broader civic and cultural ones.

	SubQuestion No : 8
Q.8	Complete the following by choosing the appropriate option. The author contrasts books with ordinary conversation chiefly to emphasize that books:
Ans	✗ 1. provide a more accurate record of social realities than spoken language ✓ 2. embody ideas subjected to greater deliberation and refinement ✗ 3. preserve viewpoints that would otherwise disappear from public memory ✗ 4. offer more opportunities for disagreement than interpersonal exchanges

Question ID :	4410092079522
Option 1 ID :	4410098186376
Option 2 ID :	4410098186374
Option 3 ID :	4410098186375
Option 4 ID :	4410098186373
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

	Comprehension:
	Read the following passage and answer the given questions. The true worth of books cannot be measured by their commercial value, popularity, or physical appearance. A great work of literature represents an encounter between the reader and a mind capable of transcending the limitations of its own age. Through books, individuals gain access to reflections that have survived generations because they continue to illuminate enduring aspects of human experience. Many people read hastily, treating books as sources of information to be consumed and discarded. Such an approach may increase familiarity with facts, but it rarely produces understanding. Serious reading demands patience, attention, and intellectual humility. The reader must be willing to engage with unfamiliar perspectives rather than merely seeking confirmation of existing beliefs. Books differ from ordinary conversation in a significant respect. In conversation, individuals often speak impulsively, expressing thoughts that may be incomplete or poorly considered. Great authors, however, present ideas refined through prolonged reflection. Their words represent not passing impressions but deliberate attempts to communicate what they regard as most valuable. To read attentively is therefore to participate in a dialogue conducted across time. Yet access to books alone does not guarantee wisdom. Libraries may be abundant while genuine learning remains scarce. The crucial distinction lies between possession and engagement. Owning books resembles owning musical instruments; neither produces excellence without sustained effort. Intellectual growth requires active participation rather than passive accumulation. A society that values serious reading cultivates citizens capable of independent judgment. Exposure to diverse ideas enlarges the imagination and refines the capacity for critical thought. Such benefits extend beyond personal enrichment. Communities depend upon individuals who can evaluate arguments, question assumptions, and appreciate complexity. In this sense, the study of literature serves not merely educational purposes but also broader civic and cultural ones.

	SubQuestion No : 9
Q.9	Complete the following by choosing the appropriate option. The author's analogy between books and musical instruments suggests that:
Ans	✗ 1. cultural artifacts require institutional protection to survive ✓ 2. ownership acquires value only when accompanied by disciplined use ✗ 3. literary education should imitate methods used in musical training ✗ 4. artistic appreciation is inherently superior to intellectual inquiry

Question ID :	4410092079523
Option 1 ID :	4410098186377
Option 2 ID :	4410098186379
Option 3 ID :	4410098186380
Option 4 ID :	4410098186378
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

	Comprehension:
	Read the following passage and answer the given questions. The true worth of books cannot be measured by their commercial value, popularity, or physical appearance. A great work of literature represents an encounter between the reader and a mind capable of transcending the limitations of its own age. Through books, individuals gain access to reflections that have survived generations because they continue to illuminate enduring aspects of human experience. Many people read hastily, treating books as sources of information to be consumed and discarded. Such an approach may increase familiarity with facts, but it rarely produces understanding. Serious reading demands patience, attention, and intellectual humility. The reader must be willing to engage with unfamiliar perspectives rather than merely seeking confirmation of existing beliefs. Books differ from ordinary conversation in a significant respect. In conversation, individuals often speak impulsively, expressing thoughts that may be incomplete or poorly considered. Great authors, however, present ideas refined through prolonged reflection. Their words represent not passing impressions but deliberate attempts to communicate what they regard as most valuable. To read attentively is therefore to participate in a dialogue conducted across time. Yet access to books alone does not guarantee wisdom. Libraries may be abundant while genuine learning remains scarce. The crucial distinction lies between possession and engagement. Owning books resembles owning musical instruments; neither produces excellence without sustained effort. Intellectual growth requires active participation rather than passive accumulation. A society that values serious reading cultivates citizens capable of independent judgment. Exposure to diverse ideas enlarges the imagination and refines the capacity for critical thought. Such benefits extend beyond personal enrichment. Communities depend upon individuals who can evaluate arguments, question assumptions, and appreciate complexity. In this sense, the study of literature serves not merely educational purposes but also broader civic and cultural ones.

	SubQuestion No : 10
Q.10	Which theme is most consistently developed throughout the passage?
Ans	✗ 1. The relationship between education and economic advancement
	✗ 2. The superiority of written discourse over spoken communication
	✓ 3. The transformative value of active and reflective reading
	✗ 4. The conflict between tradition and innovation in literary culture

Question ID :	4410092079524
Option 1 ID :	4410098186383
Option 2 ID :	4410098186382
Option 3 ID :	4410098186384
Option 4 ID :	4410098186381
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.1	Based on the English alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group? (Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster) ⁴⁶⁵⁸
Ans	✗ 1. NKE ✗ 2. QNH ✓ 3. STR ✗ 4. WTN

Question ID :	441009710827
Option 1 ID :	4410092797279
Option 2 ID :	4410092797280
Option 3 ID :	4410092797281
Option 4 ID :	4410092797282
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410092797281

Q.2	This question is based on the following words SINK CLAT MEND NEAR In each of the words, each vowel is changed to the letter immediately following it in the English alphabetical order and each consonant is changed to the letter immediately preceding it in the English alphabetical order. In how many letter-clusters thus formed, will no vowel appear? ⁹⁵¹⁰
Ans	✗ 1. Two ✗ 2. Three ✓ 3. Four ✗ 4. None

Question ID :	441009715679
Option 1 ID :	4410092816688
Option 2 ID :	4410092816689
Option 3 ID :	4410092816690
Option 4 ID :	4410092816687
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410092816690

Q.3 Eight people are sitting in two parallel rows of four people each, in such a way that there is an equal distance between adjacent people. In row 1 – A, B, C and D are seated, and all of them are facing south. In row 2 – P, Q, R and S are seated, and all of them are facing north. Thus, each person faces another person from the other row.

C sits third to the right of A. The one facing P is an immediate neighbour of A. The one facing B is an immediate neighbour of P. The one facing C is an immediate neighbour of R. S sits someplace to the left of Q.

Who among the following faces B?

- Ans

✔ 1. R
- ✘ 2. S
- ✘ 3. P
- ✘ 4. Q

Question ID :	441009730350
Option 1 ID :	4410092875154
Option 2 ID :	4410092875155
Option 3 ID :	4410092875152
Option 4 ID :	4410092875153
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.4 In the following series, only one letter-cluster is incorrect. Select the incorrect letter-cluster.

HQU QZD ZLM IRV RAE AJN¹¹⁷²

- Ans

✘ 1. IRV
- ✔ 2. ZLM
- ✘ 3. RAE
- ✘ 4. AJN

Question ID :	441009813816
Option 1 ID :	4410093209389
Option 2 ID :	4410093209387
Option 3 ID :	4410093209388
Option 4 ID :	4410093209390
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410093209389

Q.5	PSUW is related to WZBD in a certain way based on the English alphabetical order. In the same way, VYAC is related to CFHJ. To which of the following is HKMO related, following the same logic? ⁴⁴⁴⁷⁴⁴⁴⁷
Ans	✖ 1. OQSV
	✔ 2. ORTV
	✖ 3. ORSV
	✖ 4. OSSY

Question ID :	441009737804
Option 1 ID :	4410092904974
Option 2 ID :	4410092904972
Option 3 ID :	4410092904975
Option 4 ID :	4410092904973
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410092904972

Q.6	A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select the most appropriate answer. Question: Among 5 students, K, L, S, T and Y each are of different heights, which student is the tallest? Statements: (I) T is taller than Y. (II) K is shorter than L but taller than S. S is taller than only one student.⁴⁴²⁷
Ans	✖ 1. Data in statement I alone is sufficient to answer the question while data in statement II is not.
	✖ 2. Data in statements I and II together are sufficient to answer the question.
	✖ 3. Data in statement II alone is sufficient to answer the question while data in statement I is not.
	✔ 4. Data in statements I and II together are not sufficient to answer the question.

Question ID :	441009758705
Option 1 ID :	4410092988813
Option 2 ID :	4410092988815
Option 3 ID :	4410092988814
Option 4 ID :	4410092988816
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410092988816

Q.7 Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?
(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

- Ans

✗ 1. KJH – LKI
- ✗ 2. DCZ – EDA
- ✓ 3. NMK – NLX
- ✗ 4. GFD – HGE

Question ID :	441009777215
Option 1 ID :	4410093062865
Option 2 ID :	4410093062863
Option 3 ID :	4410093062866
Option 4 ID :	4410093062864
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410093062866

Q.8 What will come in the place of ‘?’ in the following equation, if ‘+’ and ‘-’ are interchanged and ‘x’ and ‘÷’ are interchanged?
 $147 - 65 \times 13 \div 9 + 21 = ?$

- Ans

✗ 1. 169
- ✗ 2. 174
- ✗ 3. 167
- ✓ 4. 171

Question ID :	4410092078149
Option 1 ID :	4410098180958
Option 2 ID :	4410098180960
Option 3 ID :	4410098180961
Option 4 ID :	4410098180959
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410098180959

Q.9 Find the value of m for which it satisfies

$$\left(\frac{12}{5}\right)^8 \times \left(\frac{5}{12}\right)^3 \times \left(\frac{12}{5}\right)^{17} = \left(\frac{5}{12}\right)^{2m+7}$$

- Ans
- ✖ 1.

$-\frac{21}{2}$

✖ 2.

$-\frac{23}{2}$

✖ 3.

$-\frac{33}{2}$

✔ 4.

$-\frac{29}{2}$

Question ID :	441009912969
Option 1 ID :	4410093606128
Option 2 ID :	4410093606129
Option 3 ID :	4410093606130
Option 4 ID :	4410093606127
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410093606127

Q.10 9 men can dig a well 34 feet deep in 16 days. How many men can dig a well 68 feet deep in 8 days?

- Ans
- ✔ 1.

36

✖ 2.

40

✖ 3.

34

✖ 4.

39

Question ID :	441009541673
Option 1 ID :	4410092122088
Option 2 ID :	4410092122091
Option 3 ID :	4410092122090
Option 4 ID :	4410092122089
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410092122088

Q.11	The simple interest (in ₹) on ₹3300 at the rate of 9% per annum in 3 years is:
Ans	✓ 1. 891
	✗ 2. 841
	✗ 3. 991
	✗ 4. 941

Question ID :	441009851952
Option 1 ID :	4410093360780
Option 2 ID :	4410093360783
Option 3 ID :	4410093360782
Option 4 ID :	4410093360781
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410093360780

Q.12	If the volume of a cube is 35,937 m³, find its total surface area (in m²).
Ans	✗ 1. 6574
	✗ 2. 6517
	✗ 3. 6537
	✓ 4. 6534

Question ID :	441009600649
Option 1 ID :	4410092357715
Option 2 ID :	4410092357716
Option 3 ID :	4410092357714
Option 4 ID :	4410092357713
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410092357715

Q.13	If 55% of a number exceeds 25% of it by 78, then the number is:
Ans	✓ 1. 260
	✗ 2. 300
	✗ 3. 280
	✗ 4. 240

Question ID :	441009856035
Option 1 ID :	4410093377112
Option 2 ID :	4410093377113
Option 3 ID :	4410093377114
Option 4 ID :	4410093377115
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.14	The ages of two trees, Tree A and Tree B, are in the ratio 3 : 8, respectively. After 6 years, the ratio of their ages will be 2 : 5. What is the difference (in years) between their present ages?
Ans	✖ 1. 82
	✖ 2. 88
	✖ 3. 89
	✔ 4. 90

Question ID :	441009548886
Option 1 ID :	4410092150943
Option 2 ID :	4410092150941
Option 3 ID :	4410092150942
Option 4 ID :	4410092150940
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410092150940

Q.15	Anmol takes 6 hours longer than Nikhil to cover a distance of 198 km. If Anmol doubles his speed, he would take 5 hours less than Nikhil. What is Anmol's speed?
Ans	✔ 1. 9 km/h
	✖ 2. 8 km/h
	✖ 3. 3 km/h
	✖ 4. 14 km/h

Question ID :	441009549107
Option 1 ID :	4410092151824
Option 2 ID :	4410092151827
Option 3 ID :	4410092151826
Option 4 ID :	4410092151825
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410092151824

Q.1	A manufacturer wishes to upgrade technology for export competitiveness under the Foreign Trade Policy. Which policy instrument provides duty-free capital goods import to facilitate this objective?
Ans	✖ 1. Duty Drawback Scheme ✖ 2. Remission of Duties and Taxes on Exported Products Scheme ✖ 3. Advance Authorisation Scheme ✔ 4. Export Promotion Capital Goods Scheme

Question ID :	4410092089958
Option 1 ID :	4410098227832
Option 2 ID :	4410098227834
Option 3 ID :	4410098227833
Option 4 ID :	4410098227835
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.2	India's first indigenous Quantum Diamond Microscope developed by IIT Bombay in 2025 is set to transform which three specific areas?
Ans	✖ 1. Aviation, Agriculture, and Maritime Security ✖ 2. Primary Education, Rural Employment, and Civil Aviation ✔ 3. Neuroscience, Materials Science, and Semiconductor Diagnostics ✖ 4. Electoral Reform, Foreign Policy, and Economic Planning

Question ID :	4410091542703
Option 1 ID :	4410096093879
Option 2 ID :	4410096093877
Option 3 ID :	4410096093880
Option 4 ID :	4410096093878
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.3	According to the Balance of Payments (BoP) Manual of the International Monetary Fund (IMF), which component of the Balance of Payments covers goods and services, income, and current transfers between resident and non-resident entities?
Ans	✖ 1. Capital Account
	✖ 2. Financial Account
	✔ 3. Current Account
	✖ 4. Official Reserve Account

Question ID :	4410092090095
Option 1 ID :	4410098228381
Option 2 ID :	4410098228382
Option 3 ID :	4410098228380
Option 4 ID :	4410098228383
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.4	Who is the author of the book " <i>Mother Mary Comes to Me</i> "?
Ans	✖ 1. Priyambada Jayakumar
	✖ 2. Anupam Kher
	✔ 3. Arundhati Roy
	✖ 4. Amish Tripathi

Question ID :	4410091507638
Option 1 ID :	4410095955155
Option 2 ID :	4410095955156
Option 3 ID :	4410095955154
Option 4 ID :	4410095955153
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.5	Which of the following is a characteristic feature of the Great Indian (Thar) Desert?
Ans	✖ 1. Numerous perennial rivers forming large deltas
	✖ 2. Extensive black soil suitable for cotton cultivation
	✔ 3. Low rainfall and presence of longitudinal sand dunes
	✖ 4. High rainfall and dense evergreen forests

Question ID :	4410091508024
Option 1 ID :	4410095956723
Option 2 ID :	4410095956724
Option 3 ID :	4410095956722
Option 4 ID :	4410095956721
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410095956722

Q.6	Which economic activity best represents the core of tertiary activities as classified in economic geography?
Ans	✖ 1. Manufacturing consumer goods in factories ✖ 2. Retailing agricultural products in local markets ✖ 3. Extraction of minerals from underground mines ✔ 4. Provision of transportation and communication services

Question ID :	4410092089908
Option 1 ID :	4410098227632
Option 2 ID :	4410098227635
Option 3 ID :	4410098227634
Option 4 ID :	4410098227633
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.7	In May 2026, the World Health Organization (WHO) urged governments to regulate which of the following products due to rising addiction risks among youth?
Ans	✖ 1. Herbal cigarettes ✖ 2. Energy drinks ✖ 3. Caffeinated chewing gum ✔ 4. Nicotine pouches

Question ID :	4410092089814
Option 1 ID :	4410098227258
Option 2 ID :	4410098227256
Option 3 ID :	4410098227259
Option 4 ID :	4410098227257
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410098227256

Q.8	Which organisation is responsible for the compilation and dissemination of India's Balance of Payments (BoP) data, which is published on a quarterly basis?
Ans	✖ 1. Department of Economic Affairs ✔ 2. Reserve Bank of India (RBI) ✖ 3. National Statistical Office (NSO) ✖ 4. Ministry of Finance

Question ID :	4410092090094
Option 1 ID :	4410098228379
Option 2 ID :	4410098228376
Option 3 ID :	4410098228378
Option 4 ID :	4410098228377
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.9	In which Indian region is shifting cultivation, also known as 'jhum', predominantly practiced, and what key environmental factor influences this method?
Ans	✖ 1. Flat fertile plains in Indo-Gangetic region ✖ 2. Black soil stretches in Deccan Plateau ✔ 3. Hilly terrain with heavy rainfall in North-Eastern India ✖ 4. Sandy soils in arid zones of Rajasthan

Question ID :	4410092089895
Option 1 ID :	4410098227583
Option 2 ID :	4410098227581
Option 3 ID :	4410098227580
Option 4 ID :	4410098227582
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.10	In April 2026, the World Health Organization (WHO) granted prequalification to which of the following malaria drugs designed specifically for newborns and young infants?
Ans	✖ 1. Dihydroartemisinin-piperaquine ✖ 2. Artesunate-mefloquine ✔ 3. Artemether-lumefantrine ✖ 4. Artesunate-amodiaquine

Question ID :	4410092089815
Option 1 ID :	4410098227261
Option 2 ID :	4410098227260
Option 3 ID :	4410098227263
Option 4 ID :	4410098227262
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.1	What is the purpose of the DNS (Domain Name System) in the context of the WWW?
Ans	✖ 1. It stores user browsing history. ✔ 2. It translates domain names into IP addresses. ✖ 3. It compresses web pages for faster loading. ✖ 4. It encrypts website data for security.

Question ID :	441009938716
Option 1 ID :	4410093708549
Option 2 ID :	4410093708547
Option 3 ID :	4410093708550
Option 4 ID :	4410093708548
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410093708547

Q.2	What do you mean by Print Preview in the MS Word 2019?
Ans	✔ 1. It will preview the document before printing. ✖ 2. It will delete the document before printing. ✖ 3. It will preview the document after printing. ✖ 4. It will print the document.

Question ID :	441009932896
Option 1 ID :	4410093685357
Option 2 ID :	4410093685359
Option 3 ID :	4410093685358
Option 4 ID :	4410093685356
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410093685357

Q.3	Which function returns the position of a lookup value within a range and is commonly nested inside INDEX for flexible lookups in MS-Excel 2019?
Ans	✖ 1. VLOOKUP ✖ 2. XLOOKUP ✔ 3. MATCH ✖ 4. LOOKUP

Question ID :	4410091198596
Option 1 ID :	4410094728237
Option 2 ID :	4410094728239
Option 3 ID :	4410094728236
Option 4 ID :	4410094728238
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410094728237

Q.4	What happens if you type “02/03/2024” in a cell by default in Excel?
Ans	✖ 1. It is stored as plain text. ✖ 2. It is converted into a hyperlink. ✔ 3. It is recognized as a date value. ✖ 4. It is automatically converted into a formula.

Question ID :	4410091286768
Option 1 ID :	4410095078865
Option 2 ID :	4410095078868
Option 3 ID :	4410095078866
Option 4 ID :	4410095078867
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410095078866

Q.5	If you save a presentation as a .pptx file, which of the following is true in MS PowerPoint 2019?
Ans	✖ 1. It cannot be edited once saved. ✖ 2. It can be opened in any version of MS PowerPoint without limitations. ✖ 3. It will always open in Slide Show mode. ✔ 4. It supports all MS PowerPoint features, including animations and transitions.

Question ID :	441009288326
Option 1 ID :	4410091120226
Option 2 ID :	4410091120223
Option 3 ID :	4410091120225
Option 4 ID :	4410091120224
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410091120224

Q.6	What is the primary purpose of file encryption?
Ans	✖ 1. To organize files more efficiently ✔ 2. To protect data by converting it into unreadable format ✖ 3. To reduce file size for storage efficiency ✖ 4. To improve file transfer speed

Question ID :	44100991077
Option 1 ID :	441009362435
Option 2 ID :	441009362433
Option 3 ID :	441009362432
Option 4 ID :	441009362434
Status :	Answered
Chosen Option :	2
Chosen Option ID :	441009362433

Q.7	What is the shortcut to print a document in MS Word?
Ans	✖ 1. Ctrl + C
	✖ 2. Ctrl + O
	✖ 3. Ctrl + S
	✔ 4. Ctrl + P

Question ID :	4410091138147
Option 1 ID :	4410094487705
Option 2 ID :	4410094487704
Option 3 ID :	4410094487703
Option 4 ID :	4410094487702
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410094487702

Q.8	Among the following, in which category does Google Voice fall?
Ans	✔ 1. Input Service
	✖ 2. Output Service
	✖ 3. Memory Device
	✖ 4. Storage Services

Question ID :	441009671419
Option 1 ID :	4410092639759
Option 2 ID :	4410092639758
Option 3 ID :	4410092639760
Option 4 ID :	4410092639761
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410092639759

Q.9	While running a slideshow in MS PowerPoint, which of the following keyboard shortcuts allows you to display a blank black/white screen , then return to the slideshow with the same key?
Ans	✖ 1. Ctrl + B, Ctrl + W
	✖ 2. Shift + B, Shift + W
	✖ 3. Alt + B, Alt + W
	✔ 4. B, W

Question ID :	441009929026
Option 1 ID :	4410093670070
Option 2 ID :	4410093670071
Option 3 ID :	4410093670072
Option 4 ID :	4410093670069
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.10	What does the abbreviation ASCII stand for?
Ans	1. Application Software for Coding Information
	2. Automated Software Code for Internet Integration
	3. American Standard Code for Information Interchange
	4. Advanced System for Character Input Instruction

Question ID :	441009862419
Option 1 ID :	4410093402795
Option 2 ID :	4410093402797
Option 3 ID :	4410093402794
Option 4 ID :	4410093402796
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410093402794

Q.11	Which part of the email address identifies the mail service provider?
Ans	1. The body
	2. The part after @
	3. The CC field
	4. The part before @

Question ID :	4410091161880
Option 1 ID :	4410094582097
Option 2 ID :	4410094582095
Option 3 ID :	4410094582096
Option 4 ID :	4410094582094
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410094582095

Q.12	Which of the following statements is correct regarding creating a blank presentation in MS PowerPoint 2021?
Ans	1. A blank presentation cannot be customized with layouts, themes, or designs.
	2. A blank presentation in MS PowerPoint 2021 is created by default when the application is opened.
	3. A blank presentation only allows text, not images or multimedia.
	4. A blank presentation must always be created from a pre-installed template.

Question ID :	4410091240404
Option 1 ID :	4410094895033
Option 2 ID :	4410094895032
Option 3 ID :	4410094895034
Option 4 ID :	4410094895035
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410094895032

Q.13	Which of the following statements correctly describes the relationship between the World Wide Web (WWW) and the internet?
Ans	1. The World Wide Web and the internet are the same; both terms can be used interchangeably. 2. The internet is only used for email services, while the World Wide Web is used for multimedia applications. 3. The internet is a global network of interconnected computers, while the World Wide Web is a service that uses the internet to access and share hyperlinked documents through web browsers. 4. The World Wide Web works without the internet, since websites are stored locally on user computers.

Question ID :	4410091240761
Option 1 ID :	4410094896446
Option 2 ID :	4410094896448
Option 3 ID :	4410094896447
Option 4 ID :	4410094896449
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410094896447

Q.14	You want to print only specific pages (e.g., pages 2, 4, and 6-8) of a long document in MS Word, and also ensure that odd pages are printed on the front side and even pages on the back side for manual duplex printing. Which of the following steps will best accomplish this?
Ans	1. Use "Print Current Page" and manually select each page before printing. 2. Enter the page numbers in the "Pages" field as 2, 4, 6-8 and set print option to "Only Print Odd Pages" first, then repeat for "Only Print Even Pages". 3. Copy and paste the selected pages into a new document and print it separately. 4. Change the orientation of even pages to landscape and odd pages to portrait before printing.

Question ID :	441009922403
Option 1 ID :	4410093643758
Option 2 ID :	4410093643759
Option 3 ID :	4410093643761
Option 4 ID :	4410093643760
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410093643759

Q.15	The concept of using punched cards for automated control was first prominently applied in which of the following inventions, significantly influencing later computer input methods?
Ans	✓ 1. Jacquard loom
	✗ 2. Analytical engine
	✗ 3. Pascaline
	✗ 4. Difference engine

Question ID :	441009347463
Option 1 ID :	4410091355979
Option 2 ID :	4410091355981
Option 3 ID :	4410091355978
Option 4 ID :	4410091355980
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Section : Subject Knowledge

Q.1	What is the primary advantage of using AJAX in a web application?
Ans	✓ 1. It enhances user experience by providing faster interactions without page reloads.
	✗ 2. It reduces the complexity of the server-side logic.
	✗ 3. It can increase the server load by making synchronous requests.
	✗ 4. It allows for full-page reloads to update data.

Question ID :	44100933619
Option 1 ID :	441009133661
Option 2 ID :	441009133662
Option 3 ID :	441009133660
Option 4 ID :	441009133659
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.2	Which of the following uses a collection of tables to represent both data and the relationships among those data?
Ans	✗ 1. ER Model
	✗ 2. Hierarichal Model
	✗ 3. Object Oriented Model
	✓ 4. Relational Model

Question ID :	441009240934
Option 1 ID :	441009941677
Option 2 ID :	441009941676
Option 3 ID :	441009941675
Option 4 ID :	441009941674
Status :	Answered
Chosen Option :	1
Chosen Option ID :	441009941677

Q.3	Which of the following statements correctly identify the two channels used by File Transfer Protocol (FTP) and their purposes?
Ans	✖ 1. Control channel for data, data channel for commands ✖ 2. Single channel for both commands and data ✖ 3. Data channel for authentication, control channel for file transfer ✔ 4. Control channel for commands, data channel for file transfer

Question ID :	4410091445393
Option 1 ID :	4410095710153
Option 2 ID :	4410095710156
Option 3 ID :	4410095710154
Option 4 ID :	4410095710155
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410095710154

Q.4	Which type of memory is non-volatile and used to store firmware?
Ans	✖ 1. DRAM ✖ 2. RAM ✖ 3. Cache ✔ 4. ROM

Question ID :	4410091188090
Option 1 ID :	4410094686617
Option 2 ID :	4410094686614
Option 3 ID :	4410094686616
Option 4 ID :	4410094686615
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410094686615

Q.5 Consider the following C code:

```
#include <stdio.h>
int main() {
FILE *fp;
fp = fopen("data.txt", "w+");
fprintf(fp, "Hello");
fclose(fp);
fp = fopen("data.txt", "r");
char buffer[20];
fscanf(fp, "%s", buffer);
printf("%s", buffer);
fclose(fp);
return 0;
}
```

What will be the output of this program, assuming data.txt does not exist before execution?

- Ans
1. Undefined behavior

2. Compiler error due to missing file

3. Hello

4. Blank output (nothing printed)

Question ID :	4410091207568
Option 1 ID :	4410094763797
Option 2 ID :	4410094763796
Option 3 ID :	4410094763794
Option 4 ID :	4410094763795
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.6 In postorder traversal of a binary tree, the order of visiting nodes is:

Ans

1. Left → Right → Root

2. Right → Left → Root

3. Root → Left → Right

4. Left → Root → Right

Question ID :	4410091186108
Option 1 ID :	4410094678698
Option 2 ID :	4410094678699
Option 3 ID :	4410094678697
Option 4 ID :	4410094678700
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410094678698

Q.7	What is the another name for Repetition in Java?
Ans	✖ 1. Reverse
	✔ 2. Iteration
	✖ 3. Instance
	✖ 4. Difference

Question ID :	4410091440839
Option 1 ID :	4410095692025
Option 2 ID :	4410095692023
Option 3 ID :	4410095692024
Option 4 ID :	4410095692026
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410095692023

Q.8	Consider the following grammar rules: S → AB A → aA ε B → b What is the correct FOLLOW set for the non-terminal B?
Ans	✖ 1. {a, b}
	✖ 2. {b}
	✖ 3. {b, \$}
	✔ 4. {\$}

Question ID :	441009909713
Option 1 ID :	4410093592738
Option 2 ID :	4410093592735
Option 3 ID :	4410093592737
Option 4 ID :	4410093592736
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.9	In which machine does the output depend only on the current state <u>with reference to Theory of Computation</u> ?
Ans	✖ 1. Mealy machine
	✖ 2. DFA
	✖ 3. PDA
	✔ 4. Moore machine

Question ID :	4410091188142
Option 1 ID :	4410094686822
Option 2 ID :	4410094686824
Option 3 ID :	4410094686825
Option 4 ID :	4410094686823
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410094686823

Q.10	An 802.11n access point operates in MIMO 3×3 mode with 40 MHz channel bandwidth using 64-QAM and a coding rate of 5/6. The maximum achievable physical data rate (PHY) per spatial stream is 150 Mbps. What is the theoretical throughput (approx.)?
Ans	✖ 1. 300 Mbps
	✖ 2. 600 Mbps
	✔ 3. 450 Mbps
	✖ 4. 150 Mbps

Question ID :	4410091454579
Option 1 ID :	4410095746622
Option 2 ID :	4410095746624
Option 3 ID :	4410095746623
Option 4 ID :	4410095746621
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.11	Which instruction is commonly used to send data from the CPU to an output device?
Ans	✖ 1. IN
	✖ 2. JMP
	✔ 3. OUT
	✖ 4. MOV

Question ID :	441009256368
Option 1 ID :	441009999349
Option 2 ID :	441009999351
Option 3 ID :	441009999350
Option 4 ID :	441009999348
Status :	Answered
Chosen Option :	3
Chosen Option ID :	441009999350

Q.12	Which of the following options depicts the row of a relational table?
Ans	✖ 1. Field
	✖ 2. Attribute
	✖ 3. Entity
	✔ 4. Tuple

Question ID :	4410091441145
Option 1 ID :	4410095693237
Option 2 ID :	4410095693238
Option 3 ID :	4410095693239
Option 4 ID :	4410095693240
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410095693240

Q.13	To convert a D flip-flop into a T flip-flop, how should D be connected?
Ans	✖ 1. $D = P \oplus Q$
	✖ 2. $D = Q \oplus T$
	✔ 3. $D = T \oplus Q$
	✖ 4. $D = T \oplus T$

Question ID :	4410091457145
Option 1	

Q.14

What is the output?

let a = 10;
{
let a = 20;
console.log(a);
}
console.log(a);

Ans

✖

1. 20, 20

✖

2. 10, 20

✔

3. 20, 10

✖

4. 10, 10

Question ID :	4410091447521
Option 1 ID :	4410095718699
Option 2 ID :	4410095718702
Option 3 ID :	4410095718701
Option 4 ID :	4410095718700
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410095718701

Q.15

Which project metric would most directly help a project manager identify schedule slippage in a software development project?

Ans

✖

1. Customer satisfaction score

✖

2. Defect density

✔

3. Milestone completion rate

✖

4. Code churn

Question ID :	4410092094500
Option 1 ID :	4410098245641
Option 2 ID :	4410098245643
Option 3 ID :	4410098245642
Option 4 ID :	4410098245640
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410098245640

Q.16	Which signal ensures synchronization between CPU and memory during data transfer?	
Ans	✖ 1. Status register	
	✖ 2. Clock signal	
	✔ 3. Control bus signal (Ready/Wait)	
	✖ 4. Address bus	

Question ID :	4410091428584
Option 1 ID :	4410095642870
Option 2 ID :	4410095642867
Option 3 ID :	4410095642868
Option 4 ID :	4410095642869
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410095642868

Q.17	What is most accurate related to the foreign key with reference to relational schema?	
Ans	✔ 1. It is primary key of another table.	
	✖ 2. It ensures the valid data type of the data.	
	✖ 3. It is the key that uniquely identifies each tuple.	
	✖ 4. It ensures the accuracy of the data.	

Question ID :	441009262158
Option 1 ID :	4410091021391
Option 2 ID :	4410091021394
Option 3 ID :	4410091021392
Option 4 ID :	4410091021393
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410091021391

Q.18

Given below are the following process set and CPU burst times (all arrive at time 0):

Process	Burst Time (ms)
P1	6
P2	8
P3	7
P4	3

Using **Non-Preemptive Shortest Job First (SJF)** scheduling, which **sequence of execution** and **average waiting time** is correct?

Ans

✗

1. P1 → P2 → P3 → P4 ; Average waiting = 10.25 ms

✗

2. P4 → P3 → P1 → P2 ; Average waiting = 6.5 ms

✓

3. P4 → P1 → P3 → P2 ; Average waiting = 7.0 ms

✗

4. P4 → P2 → P3 → P1 ; Average waiting = 8.75 ms

Question ID :	4410091441828
Option 1 ID :	4410095695961
Option 2 ID :	4410095695963
Option 3 ID :	4410095695962
Option 4 ID :	4410095695964
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410095695962

Q.19

What is the result of the expression $5 + 3 * 2$ in C?

Ans

✗

1. 16

✓

2. 11

✗

3. 10

✗

4. 13

Question ID :	441009258659
Option 1 ID :	4410091008464
Option 2 ID :	4410091008465
Option 3 ID :	4410091008467
Option 4 ID :	4410091008466
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410091008465

Q.20	Let L be a regular language over $\Sigma = \{a,b\}$ that contains all strings with equal numbers of a's and b's. Which of the following statements is correct?	
Ans	✓ 1. L is infinite but not regular. ✗ 2. L is infinite and regular. ✗ 3. L is neither regular nor infinite. ✗ 4. L is finite and regular.	Question ID : 4410091446498 Option 1 ID : 4410095714655 Option 2 ID : 4410095714654 Option 3 ID : 4410095714657 Option 4 ID : 4410095714656 Status : Answered Chosen Option : 2 Chosen Option ID : 4410095714654
Q.21	Postorder traversal is particularly useful in which of the following applications?	
Ans	✗ 1. Finding the height of a tree ✗ 2. Checking balance in BST ✓ 3. Evaluating postfix expressions ✗ 4. In-order successor computation	Question ID : 441009283804 Option 1 ID : 4410091102339 Option 2 ID : 4410091102341 Option 3 ID : 4410091102340 Option 4 ID : 4410091102342 Status : Not Answered Chosen Option : -- Chosen Option ID : NA
Q.22	Identify the INCORRECT statement about process states.	
Ans	✓ 1. A process can move directly from Running to Blocked without scheduler intervention. ✗ 2. A process moves from Ready to Running is scheduler select that process. ✗ 3. A process moves from Running to Ready when its time is over. ✗ 4. A process moves from Blocked to Ready when the required event occurs.	Question ID : 4410091187782 Option 1 ID : 4410094685448 Option 2 ID : 4410094685447 Option 3 ID : 4410094685446 Option 4 ID : 4410094685449 Status : Answered Chosen Option : 4 Chosen Option ID : 4410094685449

Q.23	What is the time complexity of searching for an element in a singly linked list?
Ans	✓ 1. $O(n)$
	✗ 2. $O(n^2)$
	✗ 3. $O(1)$
	✗ 4. $O(\log n)$

Question ID :	441009235244
Option 1 ID :	441009919405
Option 2 ID :	441009919406
Option 3 ID :	441009919403
Option 4 ID :	441009919404
Status :	Answered
Chosen Option :	1
Chosen Option ID :	441009919405

Q.24	A memory chip has a configuration of 4 K words, where each word is 8 bits wide. What is the total storage capacity of this chip, expressed in bits?
Ans	✗ 1. 4 K bits
	✗ 2. 8 K bits
	✗ 3. 64 K bits
	✓ 4. 32 K bits

Question ID :	4410091442208
Option 1 ID :	4410095697493
Option 2 ID :	4410095697494
Option 3 ID :	4410095697496
Option 4 ID :	4410095697495
Status :	Answered
Chosen Option :	1
Chosen Option ID :	4410095697493

Q.25	During a high-stakes project, a QA team must ensure that process deviations are detected and corrected without disrupting delivery timelines. Which advanced QA mechanism best achieves this balance?
Ans	✗ 1. Scheduling ad hoc meetings to discuss process adherence.
	✓ 2. Implementing real-time process monitoring with feedback loops for rapid correction.
	✗ 3. Requiring sign-off checkpoints before every release.
	✗ 4. Conducting post-mortem reviews after each project milestone.

Question ID :	4410092094495</
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Q.26 Let $\Sigma = \{a, b\}$. Consider the following statements about Regular Expressions defined recursively as per rules (1–5).

1. ϵ and $\emptyset$ are regular expressions.

2. If R_1 and R_2 are regular expressions, then R_1R_2 and $R_1 + R_2$ are also regular expressions.

3. If R is a regular expression, then R^* and (R) are also regular expressions.

4. Every language that can be expressed by a **regular expression** can also be represented by some **finite automaton**, and vice versa.

5. The expression $a(a + b^*)$ is **not** a valid regular expression because it violates the recursive construction rules.

Which of the following options is true according to the recursive definition of regular expressions and their closure properties?

- Ans ☒ 1. All five statements are true under the definition.
- ☐ 2. Statements (1) and (4) are true; statements (2), (3) and (5) are false.
- ☐ 3. Statements (1), (2), (3) and (4) are true; statement (5) is false.
- ☐ 4. Only statements (1), (2) and (3) are true.

Question ID :	4410091460607
Option 1 ID :	4410095770604
Option 2 ID :	4410095770603

Q.28	What happens to the output of a master-slave D flip-flop when the clock transitions from 1 to 0?
Ans	✖ 1. Master updates based on slave's output
	✖ 2. No change occurs
	✖ 3. Master starts following D
	✔ 4. Slave updates based on master's output

Question ID :	441009262802
Option 1 ID :	4410091023802
Option 2 ID :	4410091023803
Option 3 ID :	4410091023800
Option 4 ID :	4410091023801
Status :	Not Answered

Q.31	What is the purpose of tokenization in the context of programming languages?
Ans	✓ 1. To convert source code into a stream of tokens for easier parsing
	✗ 2. To break down source code into executable instructions
	✗ 3. To detect and remove errors in the program's logic
	✗ 4. To generate machine code from intermediate code

Question ID :	44100985143
Option 1 ID :	441009338274
Option 2 ID :	441009338272
Option 3 ID :	441009338275
Option 4 ID :	441009338273
Status :	Answered
Ch	

Q.34	What will happen to the mutex and the cleanup code when a process calls <code>ExitProcess(0)</code> , while one of its threads is executing critical cleanup code under the mutex?
Ans	✔ 1. All threads, including the one in critical section, are abruptly terminated, cleanup code may not complete, and the mutex becomes invalid
	✖ 2. Mutex remains locked, and cleanup code continues to execute until it finishes
	✖ 3. Mutex is automatically released by the kernel before the process exits
	✖ 4. Operating System waits for all threads to reach safe points before process termination

Question ID :	4410091437777
Option 1 ID :	4410095679819
Option 2 ID :	44100956

Q.36	Consider the following pseudocode fragment: <pre>Algorithm Mystery(A[1..n]) 1. count ← 0 2. for i ← 1 to n do 3. for j ← i to n do 4. if A[i] + A[j] = 0 then 5. count ← count + 1 6. return count</pre> Assume A is an array of integers of size n. Which of the following statements about the time complexity and algorithmic design of Mystery is most accurate?
Ans	✗ 1. The algorithm runs in $O(n^2 \log n)$ due to the nested loops and conditional check. ✗ 2. The algorithm runs in $O(n)$ and checks only consecutive elements. ✗ 3. The algorithm runs in $O(n^3)$ because each loop is dependent on the other. ✓ 4. The algorithm runs in $O(n^2)$ and checks all unordered pairs (i, j).

Q.38	Which of the following option represents Context-Sensitive Language (CSL)?
Ans	✖ 1. $L=\{a^n b^n n \geq 0\}$
	✖ 2. $L=\{w \in \{0,1\}^* \text{number of 0's in } w \text{ is even}\}$
	✔ 3. $L=\{a^n b^n c^n n \geq 1\}$
	✖ 4. $L=\{w \in \{0,1\}^* w \text{ ends with } 01\}$

Q.40	In DMA, which signal is used by the DMA controller to request control of the system bus from the CPU?
Ans	✖ 1. INTERRUPT ✔ 2. HOLD ✖ 3. WAIT ✖ 4. READY

Question ID :	44100938914
Option 1 ID :	441009155205
Option 2 ID :	441009155203

Q.43	Which are not directly used while creating static web pages in client side scripting?
Ans	✖ 1. Javascript
	✖ 2. CSS
	✔ 3. PHP
	✖ 4. HTML

||
||
||

Q.45	In the two-buffer input scheme used in lexical analysis, which of the following statements is true regarding the use of buffer pairs and pointers?
Ans	✖ 1. If a lexeme extends beyond one buffer, it is discarded, and scanning resumes from the next buffer after reloading.
	✖ 2. The lexemeBegin pointer always resets to the start of the second buffer after every lexeme, while forward remains fixed at the end of the first buffer.
	✔ 3. When the forward pointer crosses the end of one buffer, the next buffer is loaded automatically, and sentinel characters can be used to avoid explicit end-of-buffer checks during scanning.
	✖ 4. Each buffer can store only one lexeme at a time, and once a lexeme is identified, both buffers are cleared before continuing scanning.

Question ID :	4410091460714
Option 1 ID :	4410095771035
Option 2 ID :	4410095771033
Option 3 ID :	4410095771034
Option 4 ID :	4410095771036
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.46	Consider a singly linked list stored in the memory. The pointer 'Head' points to the first node and pointer 'Tail' points to the last node of the linked list. In a singly linked list, if the node to be deleted is the first node (Head), what must be updated?
Ans	✖ 1. Data of the node
	✖ 2. Pointer to the next node
	✖ 3. Tail pointer
	✔ 4. Head pointer

Question ID :	441009250000
Option 1 ID :	441009973932
Option 2 ID :	441009973933
Option 3 ID :	441009973935
Option 4 ID :	441009973934
Status :	Answered
Chosen Option :	4
Chosen Option ID :	441009973934

Q.47 What is the maximum number of nodes in a binary tree of height h, when height of the root is considered as 0?

- Ans

✔ 1. $2^{(h+1)} - 1$
- ✘ 2. h^4
- ✘ 3. $2^h + 1$
- ✘ 4. $h * \log h$

Question ID :	441009256459
Option 1 ID :	441009999728
Option 2 ID :	441009999729
Option 3 ID :	441009999727
Option 4 ID :	441009999730
Status :	Answered
Chosen Option :	1
Chosen Option ID :	441009999728

Q.48 What is the output of the JavaScript code snippet?

```
for (let i = 0; i < 5; i++) {  
  if (i === 2) continue;  
  console.log(i);  
}
```

- Ans

✘ 1. 1 3 4
- ✔ 2. 0 1 3 4
- ✘ 3. 0 1 2 3 4
- ✘ 4. 2 3 4

Question ID :	441009284578
Option 1 ID :	4410091105368
Option 2 ID :	4410091105367
Option 3 ID :	4410091105366
Option 4 ID :	4410091105369
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410091105367

Q.49	Which of the following is a key limitation of private key cryptography in secure communication?
Ans	✓ 1. It requires a secure key exchange mechanism between sender and receiver. ✗ 2. It requires complex mathematical calculations, making it computationally expensive. ✗ 3. It involves two keys: one for encryption and another for decryption. ✗ 4. It is only used for digital signatures and not for data encryption.

Question ID :	44100935603
Option 1 ID :	441009141947
Option 2 ID :	441009141945
Option 3 ID :	441009141946
Option 4 ID :	441009141948
Status :	Answered
Chosen Option :	1
Chosen Option ID :	441009141947

Q.50	After several major releases, a team wants to evaluate the effectiveness of their change management process. Which metric is most relevant for this assessment?
Ans	✗ 1. The frequency of code commits by developers. ✓ 2. The rate of successful change implementation without regression issues. ✗ 3. The number of software releases completed. ✗ 4. The size of the version control repository.

Question ID :	4410092094498
Option 1 ID :	4410098245635
Option 2 ID :	4410098245634
Option 3 ID :	4410098245632
Option 4 ID :	4410098245633
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410098245634

Q.51	Which of the following techniques is commonly used to manage external fragmentation in dynamic partitioning?
Ans	✗ 1. Segmentation with paging ✗ 2. Paging ✗ 3. Segmentation ✓ 4. Compaction

Question ID :	4410091437947
Option 1 ID :	4410095680492
Option 2 ID :	4410095680489
Option 3 ID :	4410095680490
Option 4 ID :	4410095680491
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.52	What is the frequency of the output of a T flip-flop if the input clock has frequency f and T = 1 always?
Ans	✖ 1. Zero ✖ 2. 2f ✖ 3. f ✔ 4. f/2

Question ID :	441009750096
Option 1 ID :	4410092954257
Option 2 ID :	4410092954255
Option 3 ID :	4410092954254
Option 4 ID :	4410092954256
Status :	Not Answered
Chosen Option :	--
Chosen Option ID :	NA

Q.53	What is the associativity of the assignment operator (=) in C?
Ans	✔ 1. Right to Left ✖ 2. Left to Right ✖ 3. Top to Bottom ✖ 4. Bottom to Top

Question ID :	441009288900
Option 1 ID :	4410091122558
Option 2 ID :	4410091122559
Option 3 ID :	4410091122560
Option 4 ID :	4410091122561
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410091122559

Q.54	Given the grammar:- S → AB A → a ε B → b ε What is FIRST(S)?.
Ans	✖ 1. {a, b} ✖ 2. {a, a} ✖ 3. {a} ✔ 4. {a, b, ε}

Question ID :	441009799194
Option 1 ID :	4410093150891
Option 2 ID :	4410093150890
Option 3 ID :	4410093150889
Option 4 ID :	4410093150892
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410093150892

Q.55	In LR parsing, the ACTION table tells the parser to 'reduce' using a production rule. What does this imply?
Ans	✖ 1. Stop parsing ✖ 2. Shift the input symbol onto the stack ✖ 3. Push a terminal symbol onto the stack ✔ 4. Remove all symbols corresponding to RHS of the production and replace with LHS

Question ID :	441009799230
Option 1 ID :	4410093151035
Option 2 ID :	4410093151036
Option 3 ID :	4410093151033
Option 4 ID :	4410093151034
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410093151036

Q.56	Suppose we have an array of 1024 elements. What is the maximum number of comparisons binary search will make in the worst case?
Ans	✖ 1. 9 ✖ 2. 8 ✔ 3. 10 ✖ 4. 11

Question ID :	4410091196999
Option 1 ID :	4410094721938
Option 2 ID :	4410094721937
Option 3 ID :	4410094721939
Option 4 ID :	4410094721940
Status :	Answered
Chosen Option :	3
Chosen Option ID :	4410094721939

Q.57	Which of the following statements is true about 1's complement representation in number systems?
Ans	✔ 1. 1's complement is formed by inverting all bits of a binary number. ✖ 2. 1's complement representation does not support signed number representation. ✖ 3. 1's complement is obtained by adding 1 to the binary number. ✖ 4. 1's complement is used to represent positive numbers only.

Question ID :	441009149564
Option 1 ID :	441009593996
Option 2 ID :	441009593997
Option 3 ID :	441009593994
Option 4 ID :	441009593995
Status :	Answered
Chosen Option :	1
Chosen Option ID :	441009593996

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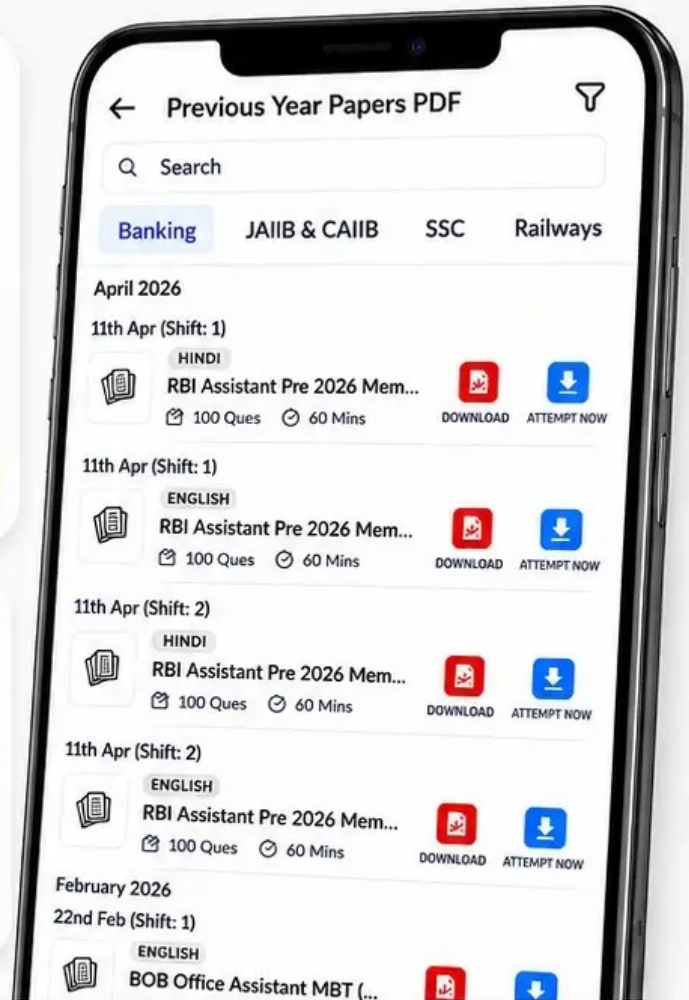
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Q.58	Which of the following is true regarding the conversion of a Mealy Machine into an equivalent Moore Machine?
Ans	1. It is impossible to convert a Mealy machine to a Moore machine. 2. The Moore machine may require more states than the Mealy machine. 3. The Moore machine always requires the same number of states as the Mealy machine. 4. The Moore machine produces outputs depending on both present state and input, just like the Mealy machine.

Question ID :	4410091245650
Option 1 ID :	4410094915880
Option 2 ID :	4410094915879
Option 3 ID :	4410094915878
Option 4 ID :	4410094915881
Status :	Answered
Chosen Option :	2
Chosen Option ID :	4410094915879

Q.59	Which operation is used to find the 1's complement of a binary number?
Ans	1. Add 1 to it 2. Multiply by 2 3. Divide by 2 4. Flip all the bits

Question ID :	441009284519
Option 1 ID :	4410091105134
Option 2 ID :	4410091105136
Option 3 ID :	4410091105137
Option 4 ID :	4410091105135
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410091105135

Q.60	Which of the following best describes the main goal of configuration management in software engineering?
Ans	1. To improve system speed. 2. To reduce documentation. 3. To increase team size. 4. To control and track changes to software artifacts.

Question ID :	4410092094496
Option 1 ID :	4410098245627
Option 2 ID :	4410098245626
Option 3 ID :	4410098245625
Option 4 ID :	4410098245624
Status :	Answered
Chosen Option :	4
Chosen Option ID :	4410098245624