

Uttar Pradesh Metro Rail Corporation Limited उत्तर प्रदेश मेट्रो रेल कॉर्पोरेशन लिमिटेड

A joint Venture of Govt. of India and Govt. of Uttar Pradesh

Participant ID	
Participant Name	
Test Center Name	
Test Date	12/05/2024
Test Time	12:30 PM - 2:30 PM
Subject	Assistant Manager Architect

	on : Section A	
Q.1	Which of the following is an example of an ITS application flow and reducing congestion?	aimed at improving traffic
Ans		
	X B. Blind Spot Detection (BSD)	
	C. Lane Departure Warning (LDW)	
	✓ D. Electronic Toll Collection (ETC)	
		Question ID: 630680779584
		Status : Answered Chosen Option : B
		Chosen Option . B
Q.2	Which of the following statements correctly describes the	paradox of thrift?
۱ns	• •	can be detrimental to overall
	economic growth. X B. It is an economic theory that argues that higher tax rate	a can be detrimental to overall
	economic growth.	, can be definitional to overall
	C. It is an economic theory that argues that personal savir	ngs can be beneficial to overall
	economic growth. D. It is an economic theory that argues that personal savi	ngs can be detrimental to
	overall economic growth.	
		Question ID : 630680195234
		Status : Answered
		Chosen Option : D
	★ A. 28%★ B. 24%✓ C. 25%	
	★ B. 24%◆ C. 25%	Question ID : 630680524027
	★ B. 24%◆ C. 25%	Question ID : 630680524027 Status : Not Answered
	★ B. 24%◆ C. 25%	
	★ B. 24%✔ C. 25%★ D. 30%	Status : Not Answered Chosen Option :
	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller comarea is known as	Status : Not Answered Chosen Option :
	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller comarea is known as ★ A. Reverse migration 	Status : Not Answered Chosen Option :
	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller compared is known as ★ A. Reverse migration ★ B. Under urbanisation 	Status : Not Answered Chosen Option :
	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller comarea is known as ★ A. Reverse migration ★ B. Under urbanisation ★ C. Suburbanisation 	Status : Not Answered Chosen Option :
	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller compared is known as ★ A. Reverse migration ★ B. Under urbanisation 	Status : Not Answered Chosen Option :
	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller comarea is known as ★ A. Reverse migration ★ B. Under urbanisation ★ C. Suburbanisation 	Status : Not Answered Chosen Option :
	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller comarea is known as ★ A. Reverse migration ★ B. Under urbanisation ★ C. Suburbanisation 	Status : Not Answered Chosen Option :
	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller comarea is known as ★ A. Reverse migration ★ B. Under urbanisation ★ C. Suburbanisation 	Status: Not Answered Chosen Option: Immunities in the surrounding Question ID: 630680779593
λns	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller comarea is known as ★ A. Reverse migration ★ B. Under urbanisation ★ C. Suburbanisation ★ D. Over-urbanisation ★ D. Over-urbanisation	Status: Not Answered Chosen Option: Immunities in the surrounding Question ID: 630680779593 Status: Answered Chosen Option: C
Q.5	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller comarea is known as ★ A. Reverse migration ★ B. Under urbanisation ★ C. Suburbanisation ★ D. Over-urbanisation Body can release heat to environment by which of the follows:	Status: Not Answered Chosen Option: Immunities in the surrounding Question ID: 630680779593 Status: Answered Chosen Option: C
Q.5	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller comarea is known as ★ A. Reverse migration ★ B. Under urbanisation ★ C. Suburbanisation ★ D. Over-urbanisation Body can release heat to environment by which of the follows: ★ A. Conduction 	Status: Not Answered Chosen Option: Immunities in the surrounding Question ID: 630680779593 Status: Answered Chosen Option: C
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Ans	 ★ B. 24% ★ C. 25% ★ D. 30% The movement of people from central cities to smaller compared as known as ★ A. Reverse migration ★ B. Under urbanisation ★ C. Suburbanisation ★ D. Over-urbanisation Body can release heat to environment by which of the follows ★ A. Conduction ★ B. All of given options ★ C. Radiation 	Status: Not Answered Chosen Option: Immunities in the surrounding Question ID: 630680779593 Status: Answered Chosen Option: C
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Q.6 In pre-tensioning process of pre-stressing, the tendons are
Ans X A. generally bonded but sometimes remain unbonded to the concrete
        X B. not bonded to the concrete
        C. bonded to the concrete
        X D. partially bonded to the concrete
                                                                                                   Question ID: 630680779597
                                                                                                        Status: Answered
                                                                                               Chosen Option : C
Q.7 Which city is often cited as a leading example of an eco-city?
Ans X A. London
        X B. New York City
        X C. Mumbai
        D. Masdar City
                                                                                                   Question ID: 630680779669
                                                                                                        Status: Answered
                                                                                               Chosen Option : D
Q.8 Each of A, B, C, D, E, F and G visited a zoo on different days of a week starting from
      Monday and ending on Sunday of the same week.

C visited on Thursday. G visited immediately before C. Only two people visited between G and F. Only three people visited between F and A. B visited on one of the
      days before D, but on one of the days after E. Who visited the zoo on Monday?
Ans X A. G
        X B. B
        X C. A

√ D. E

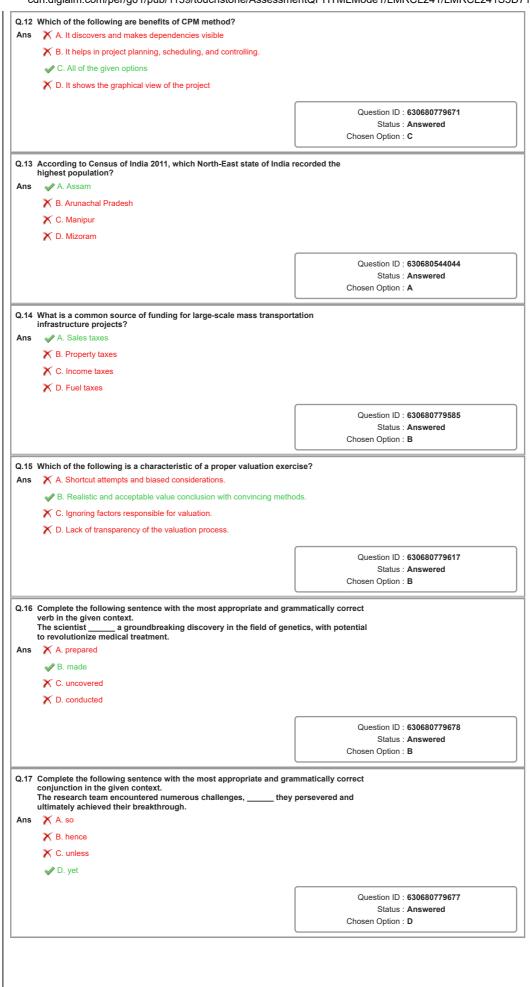
                                                                                                  Question ID: 630680519040
                                                                                                        Status: Not Answered
                                                                                               Chosen Option : --
Q.9 Select the set in which the numbers are related in the same way as are the numbers of
      the given sets
      (NOTE: Operations should be performed on the whole numbers, without breaking
      down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as
      adding /deleting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
     45 - 50 - 60 - 180
21 - 26 - 36 - 108
Ans X A. 30 – 35 – 70 – 140
        ✓ B. 12 – 17 – 27 – 81
        X C. 40 - 45 - 55 - 110
        X D. 25 - 30 - 40 - 80
                                                                                                   Question ID: 630680467215
                                                                                                        Status : Answered
                                                                                               Chosen Option : B
Q.10 The size of the rainwater pipe commonly used in house drainage is:
Ans X A. 250mm
        X B. 40mm

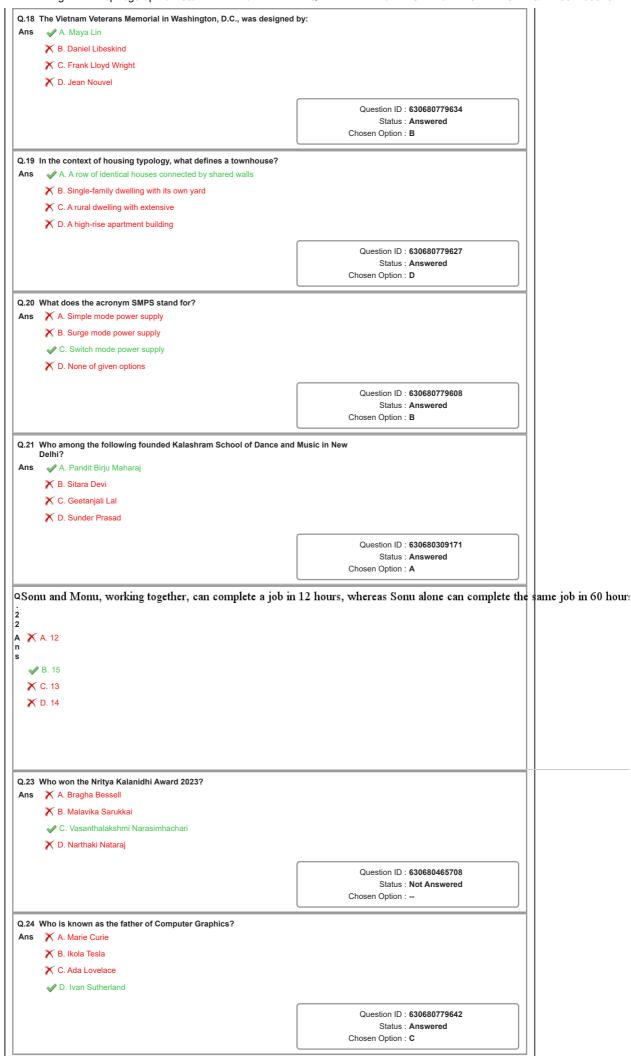
✓ C. 75mm

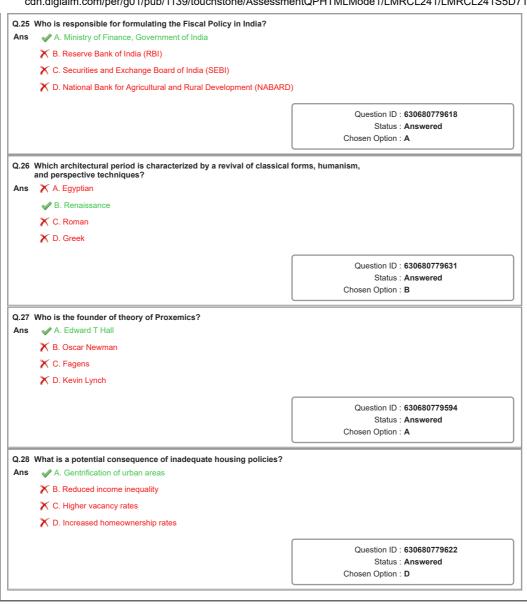
        X D. 115mm
                                                                                                   Question ID: 630680779658
                                                                                                        Status: Answered
                                                                                               Chosen Option : D
Q.11 The year in which Burgress and Park developed their theory of urban ecology?
Ans X A. None of given options
        X B. 1935

√ C. 1925

        X D. 1915
                                                                                                   Question ID: 630680779588
                                                                                                        Status: Answered
                                                                                               Chosen Option : C
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Q.3 Which of the following is not a part of disaster management phase's process?
     X A. Recovery
       X B. Mitigation
       C. Policy making
       X D. Response
                                                                                          Question ID: 630680779615
                                                                                               Status: Answered
                                                                                       Chosen Option : C
Q.4 Fill the blank in the following sentence with the correct article:

Walking through the forest, I stumbled upon _____ unusual mushroom with a bright
     red cap and white dots.
      A. an
       X B. the
       X C. a
       X D. No article
                                                                                          Question ID: 630680779676
                                                                                               Status: Answered
                                                                                       Chosen Option : A
Q.5 What is the function of a water distribution network in a water supply system?
     A. To transport treated water from the treatment plant to consumers
       X B. To collect and treat wastewater
       X C. To recharge groundwater aquifers
       X D. To store treated water before distribution
                                                                                          Question ID: 630680779604
                                                                                               Status: Answered
                                                                                       Chosen Option : A
Q.6 According to Census 2011 of India, followers of which religion are in majority in
      Meghalaya state?
Ans X A. Jain
       B. Christianity
       X C. Hinduism
       X D. Buddhism
                                                                                          Question ID : 630680464326
                                                                                               Status: Not Answered
                                                                                       Chosen Option: --
Q.7 What distinguishes CBOs from other organizations?
Ans X A. They focus solely on profit generation
       X B. They operate at the national level
       X C. They are exclusively funded by the government
        D. They are rooted in local communities and address community needs
                                                                                         Question ID: 630680779619
                                                                                              Status: Answered
                                                                                       Chosen Option : D
Q.8 According to URDPFI guidelines, what is the minimum permissible area for a dwelling
     unit in a low-income housing project?

✓ A. 25 square meters

       X B. 15 square meters
       X C. 35 square meters
       X D. 30 square meters
                                                                                         Question ID: 630680779668
                                                                                               Status : Answered
                                                                                       Chosen Option : D
Q.9 Which type of elevator system utilizes ropes and pulleys to move the elevator car?
       A. Traction elevator
       X B. Pneumatic elevator
       X C. Gearless elevator
       X D. Hydraulic elevator
                                                                                          Question ID: 630680779661
                                                                                               Status: Answered
                                                                                       Chosen Option : A
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Q.10 Intensity of traffic noise level originating from highway depends upon which of the following factors:
       1.Kind of traffic
      2.Vehicle speed
3.hourly rate of vehicle movements
      4.proximity of habitable areas to Highway 5.presence of sound barriers

✓ A. 1, 2, 3, 4, 5

        X B. 1, 2, 4, 5
        X C. 2, 3, 5
        X D. 1, 2, 3
                                                                                                    Question ID: 630680779580
                                                                                                          Status: Answered
                                                                                                 Chosen Option : A
Q.11 In a row of people all facing north, Mukul is 5<sup>th</sup> from the right end. Alok is 10<sup>th</sup> from the right end. Alok is exactly between Mukul and Rohan. If Rohan is 6th from the left end
      of the line, how many people are there in the row?
Ans X A. 23
        ✓ B. 20
        X C. 24
        X D. 26
                                                                                                    Question ID: 630680519210
                                                                                                          Status: Answered
                                                                                                 Chosen Option : B
Q.12 What is the mathematical relationship between the slope and the moment of a beam
      undergoing bending?
Ans X A. Slope is proportional to the moment
        B. Slope is the derivative of the moment
        X C. Slope is inversely proportional to the moment
        X D. Slope is the integral of the moment
                                                                                                    Question ID: 630680779598
                                                                                                          Status: Answered
                                                                                                 Chosen Option : B
Q.13 The religious site of the Jains, 'Sammed Shikharji', is located in which state?
Ans X A. Gujarat
        X B. Madhya Pradesh
         C. Jharkhand
        X D. Rajasthan
                                                                                                    Question ID: 630680544065
                                                                                                          Status: Not Answered
                                                                                                 Chosen Option: --
Q.14 What is the full form of GRIHA?
Ans A. Green Rating For Integrated Habitat Assessment
        X B. Global Rules For Investment Housing Asset
        X C. Global Rating For Inclusive Habitat Assessment
        X D. Green Rate For Integrated Home Assess
                                                                                                    Question ID: 630680779648
                                                                                                          Status: Answered
                                                                                                 Chosen Option : A
Q.15 Three spacecrafts are sending the signals to the control centre at an interval of 24
       seconds, 32 seconds, and 40 seconds, respectively. If they simultaneously sent the signals at 10:00 A.M., then at what time will they again send the signals
      simultaneously?
      X A. 10:04 A.M.
        X B. 10:02 A.M.
        X C. 10:06 A.M.
         ✓ D. 10:08 A.M
                                                                                                    Question ID: 630680731535
                                                                                                          Status : Answered
                                                                                                 Chosen Option : D
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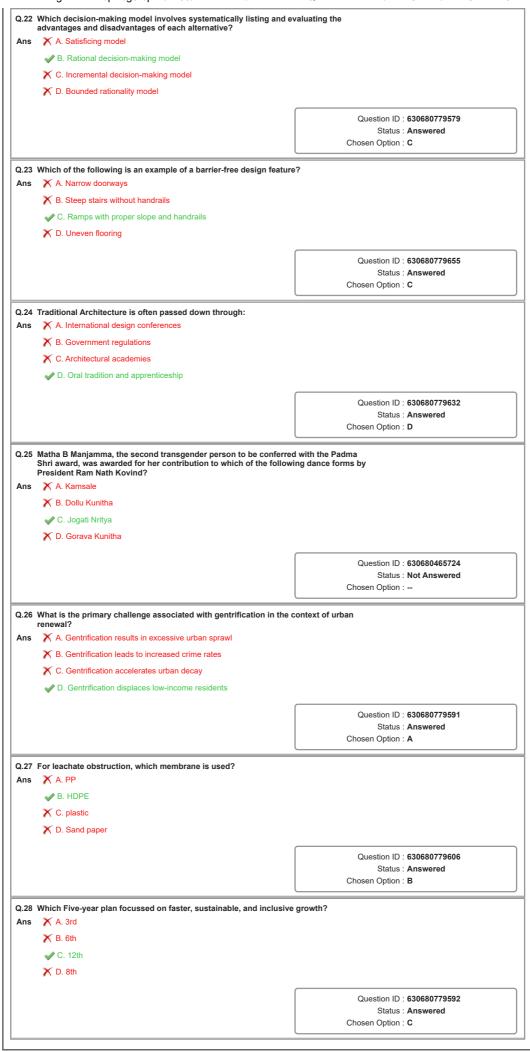
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Q.16 The sentences of a paragraph are given in a jumbled order. Arrange them in a logical order.
      1. Disappointed sighs filled the air as the group huddled under a nearby tree, seeking
      shelter from the sudden deluge.

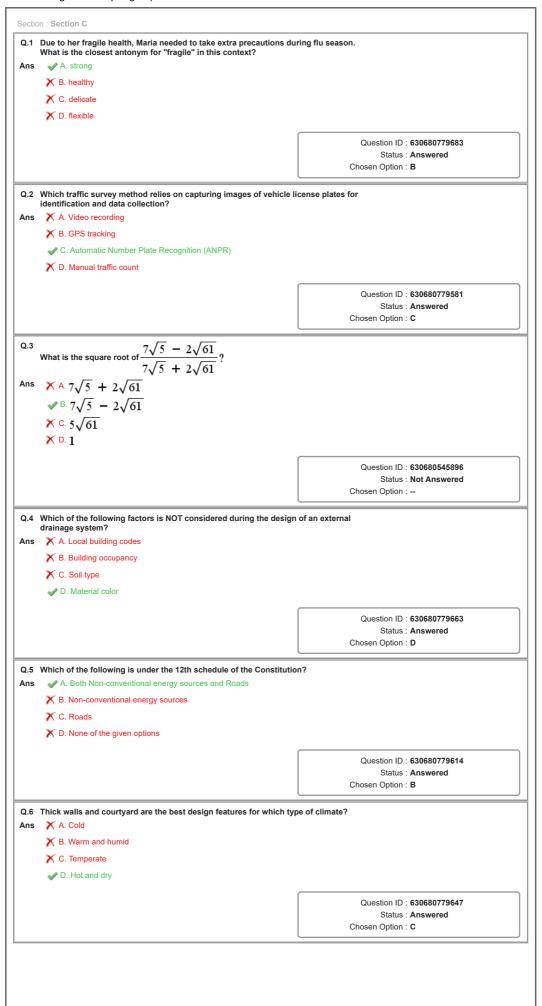
2. With the outdoor activity now impossible, alternative ideas were tossed around,
      eventually leading to a decision to visit the rail museum nearby.

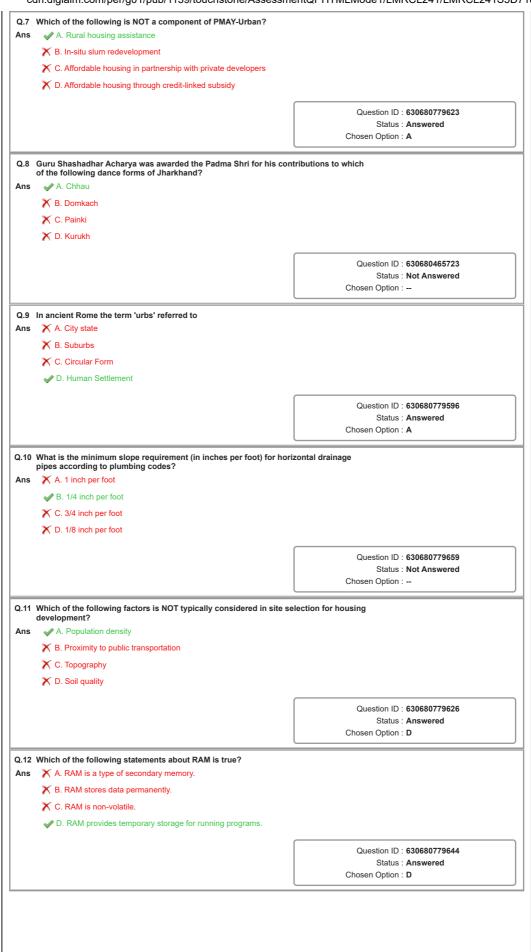
3. The unexpected downpour forced a change in plans.
      4. Despite the initial setback, the museum trip turned out to be a delightful surprise,
      offering unexpected entertainment and educational opportunities.

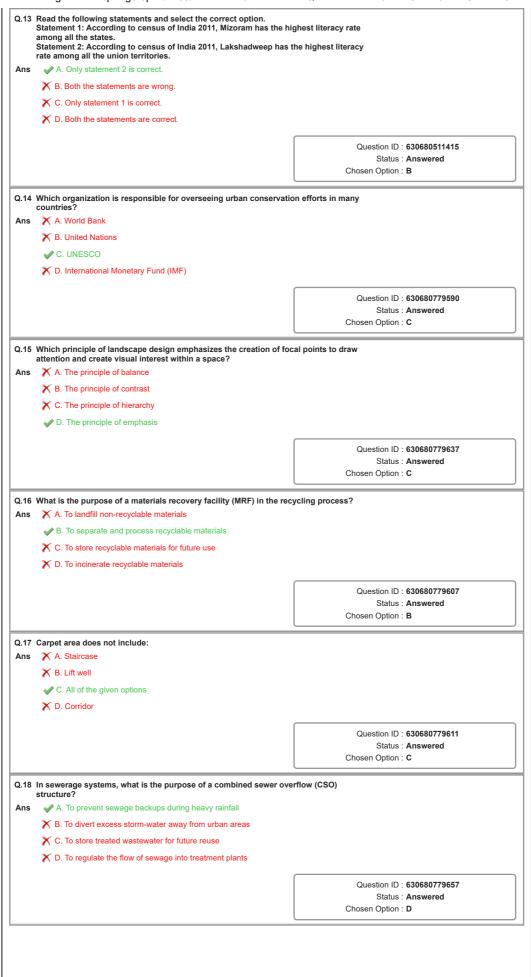
✓ A. 3, 1, 2, 4

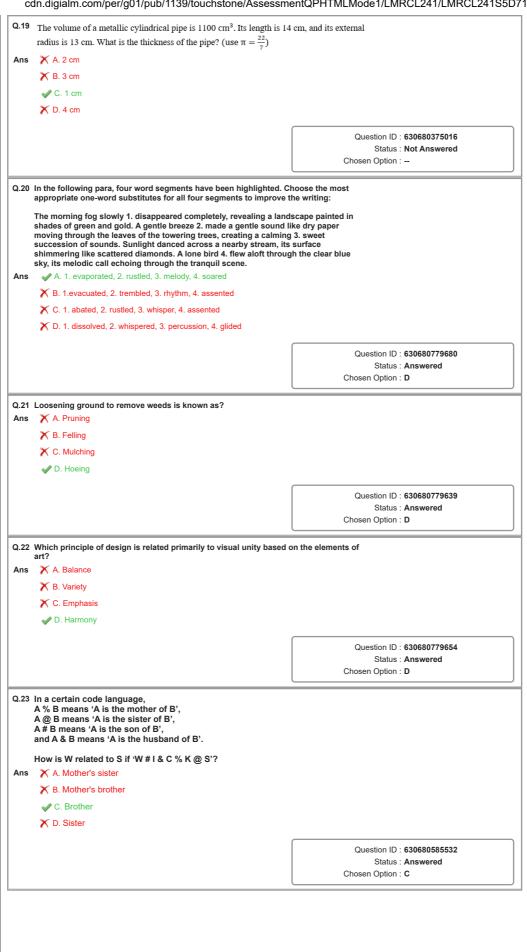
       X B. 2, 1, 3, 4
       X C. 1, 3, 2, 4
       X D. 4, 2, 3, 1
                                                                                             Question ID: 630680779679
                                                                                                  Status: Not Answered
                                                                                          Chosen Option : -
Q.17 Which of the below-mentioned microfinance institutions is often termed as a universal
      bank?
Ans X A. Bharat Financial Inclusion Limited
       X B. SHARE Microfin Limited
       X C. Spandana Sphoorty Financial Ltd
        D. Bandhan Financial Services Private Limited
                                                                                             Question ID: 630680210760
                                                                                                  Status: Not Answered
                                                                                          Chosen Option : --
Q.18 Which of the following characteristics is not described by sound wave?
Ans X A. Speed
       X B. Frequency
       X C. Wavelength
        D. Space
                                                                                             Question ID: 630680779652
                                                                                                  Status: Answered
                                                                                          Chosen Option : D
Q.19 What is the purpose of the desiccant wheel in some air-conditioning systems?
Ans A. To remove excess humidity from the air
       X B. To increase the refrigeration capacity
       X C. To regulate the compressor speed
       X D. To filter out airborne particles
                                                                                             Question ID: 630680779662
                                                                                                  Status : Answered
                                                                                          Chosen Option : D
Q.20 What should come in place of the question mark (?) in the given series?
      12, 17, 27, 42, 62, ?
Ans 🗼 A. 87
       X B. 85
       X C. 83
       X D. 89
                                                                                             Question ID: 630680531741
                                                                                                  Status: Answered
                                                                                          Chosen Option : A
Q.21 If the curved surface area of a right circular cone is 12,870 cm<sup>2</sup> and its base radius
      is 63 cm, then its height (in cm) is:
      (Use\pi = \frac{22}{7})
Ans X A. 26
       X B. 14
       ✓ C. 16
       X D. 24
                                                                                             Question ID: 630680374109
                                                                                                  Status : Answered
                                                                                          Chosen Option : C
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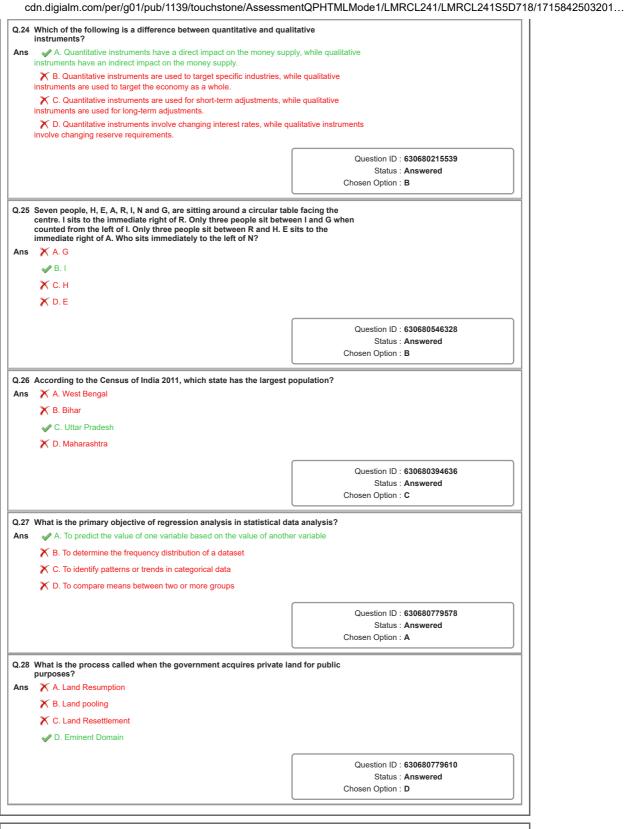




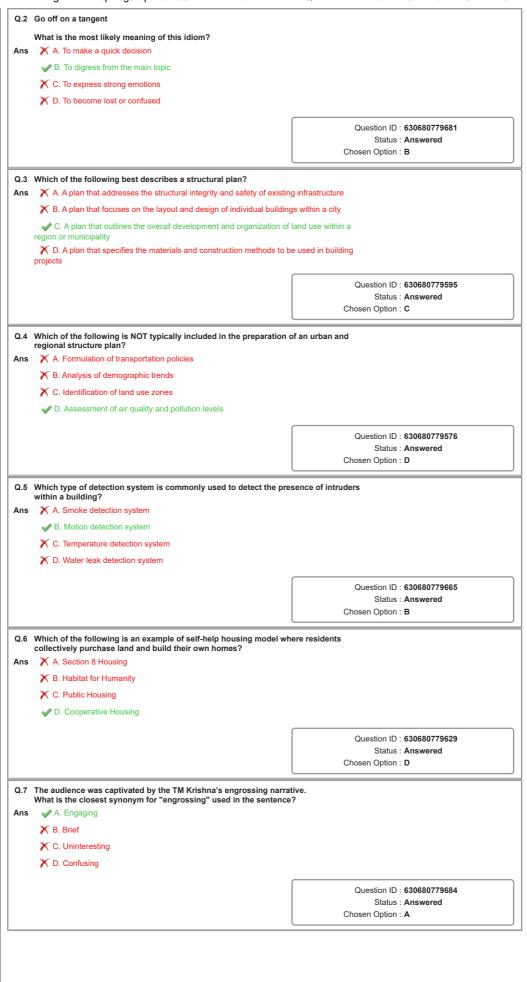


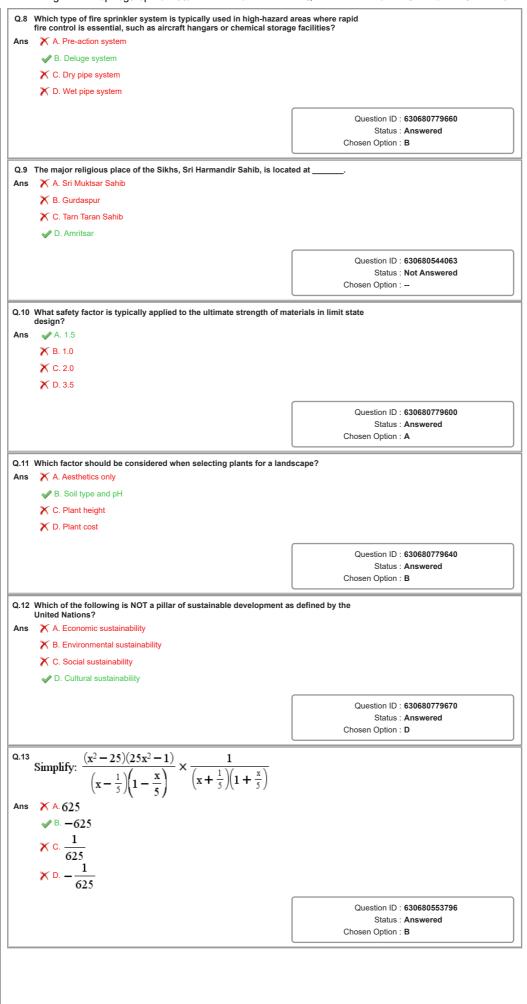


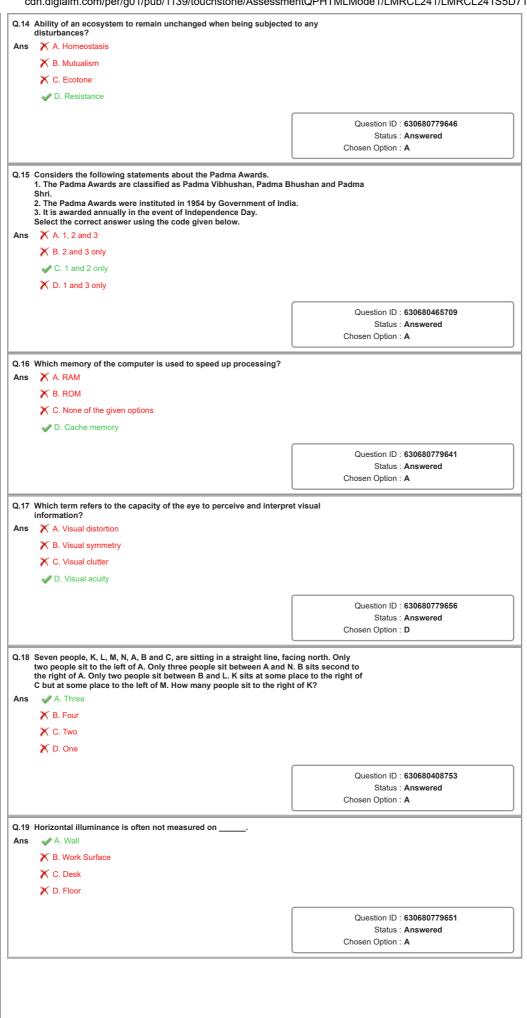




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Q.1 Traffic conflicts that may occur in a rotary inter-section are:
Ans X A. crossing, merging and diverging
       B. merging and diverging
      X C. crossing and diverging
      X D. crossing and merging
                                                                                        Question ID: 630680779582
                                                                                             Status · Answered
                                                                                     Chosen Option : A
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Q.20 What property distinguishes wood as a structural material compared to steel and RCC?
Ans
     A. Anisotropic behavior
      X B. Ductility
      X C. High tensile strength
      X D. High compressive strength
                                                                                 Question ID: 630680779599
                                                                                      Status: Answered
                                                                               Chosen Option : B
Q.21 Responsibilities and power to execute items listed in which Schedule of 74th

✓ A. 12th

Ans
      X B. 10th
      X C. 9th
      X D. 11th
                                                                                  Question ID: 630680779616
                                                                                      Status: Answered
                                                                               Chosen Option : A
Q.22 Sunil spends 76% of his monthly income. If his monthly savings is ₹3,000, then how
     much (in ₹) is his monthly income?
X B. 12,480
      X C. 12,000
      X D. 12,960
                                                                                 Question ID: 630680524010
                                                                                      Status: Answered
                                                                               Chosen Option : A
Q.23 What do zoning regulations primarily govern?
Ans X A. Taxation policies
      B. Building heights and land use
      X C. Traffic rules
      X D. Environmental protection
                                                                                  Question ID : 630680779609
                                                                                      Status: Answered
                                                                               Chosen Option: B
Q.24 Topographic map is a type of map characterized by large-scale detail and quantitative
     representation of:
      A. Relief
      X B. Contours
      X C. Slopes
      X D. Vegetation
                                                                                  Question ID: 630680779577
                                                                                      Status : Answered
                                                                               Chosen Option : B
Q.25 What is the key purpose of zoning laws in urban planning?
Ans X A. To regulate the architectural style of buildings
       X C. To control population growth in certain areas
      X D. To impose taxes on property owners
                                                                                 Question ID: 630680779624
                                                                                      Status : Answered
                                                                               Chosen Option : B
Q.26 Which of the following revenue curves is also known as demand curve?
Ans X A. TR curve
      X C. MR curve
      X D. TC curve
                                                                                  Question ID: 630680195198
                                                                                      Status: Not Answered
                                                                               Chosen Option : --
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