



# 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

Section : Section A

**Q.1 Which of the following is an example of an ITS application aimed at improving traffic flow and reducing congestion?**

- Ans
- A. Adaptive Cruise Control (ACC)
  - B. Blind Spot Detection (BSD)
  - C. Lane Departure Warning (LDW)
  - D. Electronic Toll Collection (ETC)

Question ID : 630680779584  
Status : Answered  
Chosen Option : B

**Q.2 Which of the following statements correctly describes the paradox of thrift?**

- Ans
- A. It is an economic theory that argues that lower tax rate can be detrimental to overall economic growth.
  - B. It is an economic theory that argues that higher tax rate can be detrimental to overall economic growth.
  - C. It is an economic theory that argues that personal savings can be beneficial to overall economic growth.
  - D. It is an economic theory that argues that personal savings can be detrimental to overall economic growth.

Question ID : 630680195234  
Status : Answered  
Chosen Option : D

**Q.3 What is the rate (p.a.) of compound interest if a sum becomes  $\frac{125}{64}$  times in 3 years?**

- Ans
- A. 28%
  - B. 24%
  - C. 25%
  - D. 30%

Question ID : 630680524027  
Status : Not Answered  
Chosen Option : --

**Q.4 The movement of people from central cities to smaller communities in the surrounding area is known as**

- Ans
- A. Reverse migration
  - B. Under urbanisation
  - C. Suburbanisation
  - D. Over-urbanisation

Question ID : 630680779593  
Status : Answered  
Chosen Option : C

**Q.5 Body can release heat to environment by which of the following ways?**

- Ans
- A. Conduction
  - B. All of given options
  - C. Radiation
  - D. Convection

Question ID : 630680779649  
Status : Answered  
Chosen Option : B

Q.6 In pre-tensioning process of pre-stressing, the tendons are

- Ans  A. generally bonded but sometimes remain unbonded to the concrete  
 B. not bonded to the concrete  
 C. bonded to the concrete  
 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  A. London  
 B. New York City  
 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  A. G  
 B. B  
 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  A. 30 – 35 – 70 – 140  
 B. 12 – 17 – 27 – 81  
 C. 40 – 45 – 55 – 110  
 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  A. 250mm  
 B. 40mm  
 C. 75mm  
 D. 115mm

Question ID : 630680779658  
 Status : Answered  
 Chosen Option : D

Q.11 The year in which Burgess and Park developed their theory of urban ecology?

- Ans  A. None of given options  
 B. 1935  
 C. 1925  
 D. 1915

Question ID : 630680779588  
 Status : Answered  
 Chosen Option : C

Q.12 Which of the following are benefits of CPM method?

- Ans  A. It discovers and makes dependencies visible  
 B. It helps in project planning, scheduling, and controlling.  
 C. All of the given options  
 D. It shows the graphical view of the project

Question ID : 630680779671  
Status : Answered  
Chosen Option : C

Q.13 According to Census of India 2011, which North-East state of India recorded the highest population?

- Ans  A. Assam  
 B. Arunachal Pradesh  
 C. Manipur  
 D. Mizoram

Question ID : 630680544044  
Status : Answered  
Chosen Option : A

Q.14 What is a common source of funding for large-scale mass transportation infrastructure projects?

- Ans  A. Sales taxes  
 B. Property taxes  
 C. Income taxes  
 D. Fuel taxes

Question ID : 630680779585  
Status : Answered  
Chosen Option : B

Q.15 Which of the following is a characteristic of a proper valuation exercise?

- Ans  A. Shortcut attempts and biased considerations.  
 B. Realistic and acceptable value conclusion with convincing methods.  
 C. Ignoring factors responsible for valuation.  
 D. Lack of transparency of the valuation process.

Question ID : 630680779617  
Status : Answered  
Chosen Option : B

Q.16 Complete the following sentence with the most appropriate and grammatically correct verb in the given context.  
The scientist \_\_\_\_\_ a groundbreaking discovery in the field of genetics, with potential to revolutionize medical treatment.

- Ans  A. prepared  
 B. made  
 C. uncovered  
 D. conducted

Question ID : 630680779678  
Status : Answered  
Chosen Option : B

Q.17 Complete the following sentence with the most appropriate and grammatically correct conjunction in the given context.  
The research team encountered numerous challenges, \_\_\_\_\_ they persevered and ultimately achieved their breakthrough.

- Ans  A. so  
 B. hence  
 C. unless  
 D. yet

Question ID : 630680779677  
Status : Answered  
Chosen Option : D

Q.18 The Vietnam Veterans Memorial in Washington, D.C., was designed by:

- Ans  A. Maya Lin  
 B. Daniel Libeskind  
 C. Frank Lloyd Wright  
 D. Jean Nouvel

Question ID : 630680779634  
Status : Answered  
Chosen Option : B

Q.19 In the context of housing typology, what defines a townhouse?

- Ans  A. A row of identical houses connected by shared walls  
 B. Single-family dwelling with its own yard  
 C. A rural dwelling with extensive  
 D. A high-rise apartment building

Question ID : 630680779627  
Status : Answered  
Chosen Option : D

Q.20 What does the acronym SMPS stand for?

- Ans  A. Simple mode power supply  
 B. Surge mode power supply  
 C. Switch mode power supply  
 D. None of given options

Question ID : 630680779608  
Status : Answered  
Chosen Option : B

Q.21 Who among the following founded Kalashram School of Dance and Music in New Delhi?

- Ans  A. Pandit Birju Maharaj  
 B. Sitara Devi  
 C. Geetanjali Lal  
 D. Sunder Prasad

Question ID : 630680309171  
Status : Answered  
Chosen Option : A

Q.22 Sonu and Monu, working together, can complete a job in 12 hours, whereas Sonu alone can complete the same job in 60 hours.

- Ans  A. 12  
 B. 15  
 C. 13  
 D. 14

Q.23 Who won the Nritya Kalanidhi Award 2023?

- Ans  A. Bragha Bessell  
 B. Malavika Sarukkai  
 C. Vasanthalakshmi Narasimhachari  
 D. Narthaki Nataraj

Question ID : 630680465708  
Status : Not Answered  
Chosen Option : --

Q.24 Who is known as the father of Computer Graphics?

- Ans  A. Marie Curie  
 B. Nikola Tesla  
 C. Ada Lovelace  
 D. Ivan Sutherland

Question ID : 630680779642  
Status : Answered  
Chosen Option : C

Q.25 Who is responsible for formulating the Fiscal Policy in India?

- Ans  A. Ministry of Finance, Government of India
- B. Reserve Bank of India (RBI)
- C. Securities and Exchange Board of India (SEBI)
- D. National Bank for Agricultural and Rural Development (NABARD)

Question ID : 630680779618  
Status : Answered  
Chosen Option : A

Q.26 Which architectural period is characterized by a revival of classical forms, humanism, and perspective techniques?

- Ans  A. Egyptian
- B. Renaissance
- C. Roman
- D. Greek

Question ID : 630680779631  
Status : Answered  
Chosen Option : B

Q.27 Who is the founder of theory of Proxemics?

- Ans  A. Edward T Hall
- B. Oscar Newman
- C. Fagens
- D. Kevin Lynch

Question ID : 630680779594  
Status : Answered  
Chosen Option : A

Q.28 What is a potential consequence of inadequate housing policies?

- Ans  A. Gentrification of urban areas
- B. Reduced income inequality
- C. Higher vacancy rates
- D. Increased homeownership rates

Question ID : 630680779622  
Status : Answered  
Chosen Option : D

Section : Section B

Q.1 Which of the following best defines the concept of a neighbourhood in housing development?

- Ans  A. The distance between adjacent houses
- B. A community of residents sharing common amenities and interests
- C. The physical boundaries of a residential area
- D. A group of houses clustered together

Question ID : 630680779625  
Status : Answered  
Chosen Option : B

Q.2 What is the first step in the process for systematic capacity building?

- Ans  A. Assess capacity assets
- B. Engage stakeholders on capacity development
- C. Assess capacity needs
- D. Formulate a capacity development response

Question ID : 630680779620  
Status : Answered  
Chosen Option : C

Q.3 Which of the following is not a part of disaster management phase's process?

- Ans  A. Recovery  
 B. Mitigation  
 C. Policy making  
 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.

- Ans  A. an  
 B. the  
 C. a  
 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?

- Ans  A. To transport treated water from the treatment plant to consumers  
 B. To collect and treat wastewater  
 C. To recharge groundwater aquifers  
 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  A. Jain  
 B. Christianity  
 C. Hinduism  
 D. Buddhism

Question ID : 630680464326  
Status : Not Answered  
Chosen Option : --

Q.7 What distinguishes CBOs from other organizations?

- Ans  A. They focus solely on profit generation  
 B. They operate at the national level  
 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?

- Ans  A. 25 square meters  
 B. 15 square meters  
 C. 35 square meters  
 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?

- Ans  A. Traction elevator  
 B. Pneumatic elevator  
 C. Gearless elevator  
 D. Hydraulic elevator

Question ID : 630680779661  
Status : Answered  
Chosen Option : A

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

Ans  A. 1, 2, 3, 4, 5  
 B. 1, 2, 4, 5  
 C. 2, 3, 5  
 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 6<sup>th</sup> from the left end of the line, how many people are there in the row?

Ans  A. 23  
 B. 20  
 C. 24  
 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  A. Slope is proportional to the moment  
 B. Slope is the derivative of the moment  
 C. Slope is inversely proportional to the moment  
 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  A. Gujarat  
 B. Madhya Pradesh  
 C. Jharkhand  
 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  
 B. Global Rules For Investment Housing Assess  
 C. Global Rating For Inclusive Habitat Assessment  
 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?

Ans  A. 10:04 A.M.  
 B. 10:02 A.M.  
 C. 10:06 A.M.  
 D. 10:08 A.M.

Question ID : 630680731535  
Status : Answered  
Chosen Option : D

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.

Ans  A. 3, 1, 2, 4  
 B. 2, 1, 3, 4  
 C. 1, 3, 2, 4  
 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  A. Bharat Financial Inclusion Limited  
 B. SHARE Microfin Limited  
 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  A. Speed  
 B. Frequency  
 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  
 B. To increase the refrigeration capacity  
 C. To regulate the compressor speed  
 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  
 B. 85  
 C. 83  
 D. 89

Question ID : 630680531741  
 Status : Answered  
 Chosen Option : A

Q.21 If the curved surface area of a right circular cone is  $12,870 \text{ cm}^2$  and its base radius is 63 cm, then its height (in cm) is:

(Use  $\pi = \frac{22}{7}$ )

Ans  A. 26  
 B. 14  
 C. 16  
 D. 24

Question ID : 630680374109  
 Status : Answered  
 Chosen Option : C



Q.22 Which decision-making model involves systematically listing and evaluating the advantages and disadvantages of each alternative?

- Ans  A. Satisficing model  
 B. Rational decision-making model  
 C. Incremental decision-making model  
 D. Bounded rationality model

Question ID : 630680779579  
Status : Answered  
Chosen Option : C

Q.23 Which of the following is an example of a barrier-free design feature?

- Ans  A. Narrow doorways  
 B. Steep stairs without handrails  
 C. Ramps with proper slope and handrails  
 D. Uneven flooring

Question ID : 630680779655  
Status : Answered  
Chosen Option : C

Q.24 Traditional Architecture is often passed down through:

- Ans  A. International design conferences  
 B. Government regulations  
 C. Architectural academies  
 D. Oral tradition and apprenticeship

Question ID : 630680779632  
Status : Answered  
Chosen Option : D

Q.25 Matha B Manjamma, the second transgender person to be conferred with the Padma Shri award, was awarded for her contribution to which of the following dance forms by President Ram Nath Kovind?

- Ans  A. Kamsale  
 B. Dollu Kunitha  
 C. Jogati Nritya  
 D. Gorava Kunitha

Question ID : 630680465724  
Status : Not Answered  
Chosen Option : --

Q.26 What is the primary challenge associated with gentrification in the context of urban renewal?

- Ans  A. Gentrification results in excessive urban sprawl  
 B. Gentrification leads to increased crime rates  
 C. Gentrification accelerates urban decay  
 D. Gentrification displaces low-income residents

Question ID : 630680779591  
Status : Answered  
Chosen Option : A

Q.27 For leachate obstruction, which membrane is used?

- Ans  A. PP  
 B. HDPE  
 C. plastic  
 D. Sand paper

Question ID : 630680779606  
Status : Answered  
Chosen Option : B

Q.28 Which Five-year plan focussed on faster, sustainable, and inclusive growth?

- Ans  A. 3rd  
 B. 6th  
 C. 12th  
 D. 8th

Question ID : 630680779592  
Status : Answered  
Chosen Option : C

Section : Section C

**Q.1** Due to her fragile health, Maria needed to take extra precautions during flu season. What is the closest antonym for "fragile" in this context?

- Ans  A. strong  
 B. healthy  
 C. delicate  
 D. flexible

Question ID : 630680779683  
 Status : Answered  
 Chosen Option : B

**Q.2** Which traffic survey method relies on capturing images of vehicle license plates for identification and data collection?

- Ans  A. Video recording  
 B. GPS tracking  
 C. Automatic Number Plate Recognition (ANPR)  
 D. Manual traffic count

Question ID : 630680779581  
 Status : Answered  
 Chosen Option : C

**Q.3** What is the square root of  $\frac{7\sqrt{5} - 2\sqrt{61}}{7\sqrt{5} + 2\sqrt{61}}$ ?

- Ans  A.  $7\sqrt{5} + 2\sqrt{61}$   
 B.  $7\sqrt{5} - 2\sqrt{61}$   
 C.  $5\sqrt{61}$   
 D. 1

Question ID : 630680545896  
 Status : Not Answered  
 Chosen Option : --

**Q.4** Which of the following factors is NOT considered during the design of an external drainage system?

- Ans  A. Local building codes  
 B. Building occupancy  
 C. Soil type  
 D. Material color

Question ID : 630680779663  
 Status : Answered  
 Chosen Option : D

**Q.5** Which of the following is under the 12th schedule of the Constitution?

- Ans  A. Both Non-conventional energy sources and Roads  
 B. Non-conventional energy sources  
 C. Roads  
 D. None of the given options

Question ID : 630680779614  
 Status : Answered  
 Chosen Option : B

**Q.6** Thick walls and courtyard are the best design features for which type of climate?

- Ans  A. Cold  
 B. Warm and humid  
 C. Temperate  
 D. Hot and dry

Question ID : 630680779647  
 Status : Answered  
 Chosen Option : C

Q.7 Which of the following is NOT a component of PMAY-Urban?

- Ans  A. Rural housing assistance  
 B. In-situ slum redevelopment  
 C. Affordable housing in partnership with private developers  
 D. Affordable housing through credit-linked subsidy

Question ID : 630680779623  
Status : Answered  
Chosen Option : A

Q.8 Guru Shashadhar Acharya was awarded the Padma Shri for his contributions to which of the following dance forms of Jharkhand?

- Ans  A. Chhau  
 B. Domkach  
 C. Painki  
 D. Kurukh

Question ID : 630680465723  
Status : Not Answered  
Chosen Option : --

Q.9 In ancient Rome the term 'urbs' referred to

- Ans  A. City state  
 B. Suburbs  
 C. Circular Form  
 D. Human Settlement

Question ID : 630680779596  
Status : Answered  
Chosen Option : A

Q.10 What is the minimum slope requirement (in inches per foot) for horizontal drainage pipes according to plumbing codes?

- Ans  A. 1 inch per foot  
 B. 1/4 inch per foot  
 C. 3/4 inch per foot  
 D. 1/8 inch per foot

Question ID : 630680779659  
Status : Not Answered  
Chosen Option : --

Q.11 Which of the following factors is NOT typically considered in site selection for housing development?

- Ans  A. Population density  
 B. Proximity to public transportation  
 C. Topography  
 D. Soil quality

Question ID : 630680779626  
Status : Answered  
Chosen Option : D

Q.12 Which of the following statements about RAM is true?

- Ans  A. RAM is a type of secondary memory.  
 B. RAM stores data permanently.  
 C. RAM is non-volatile.  
 D. RAM provides temporary storage for running programs.

Question ID : 630680779644  
Status : Answered  
Chosen Option : D

**Q.13** Read the following statements and select the correct option.  
Statement 1: According to census of India 2011, Mizoram has the highest literacy rate among all the states.  
Statement 2: According to census of India 2011, Lakshadweep has the highest literacy rate among all the union territories.

- Ans
- A. Only statement 2 is correct.
  - B. Both the statements are wrong.
  - C. Only statement 1 is correct.
  - D. Both the statements are correct.

Question ID : 630680511415  
Status : Answered  
Chosen Option : B

**Q.14** Which organization is responsible for overseeing urban conservation efforts in many countries?

- Ans
- A. World Bank
  - B. United Nations
  - C. UNESCO
  - D. International Monetary Fund (IMF)

Question ID : 630680779590  
Status : Answered  
Chosen Option : C

**Q.15** Which principle of landscape design emphasizes the creation of focal points to draw attention and create visual interest within a space?

- Ans
- A. The principle of balance
  - B. The principle of contrast
  - C. The principle of hierarchy
  - D. The principle of emphasis

Question ID : 630680779637  
Status : Answered  
Chosen Option : C

**Q.16** What is the purpose of a materials recovery facility (MRF) in the recycling process?

- Ans
- A. To landfill non-recyclable materials
  - B. To separate and process recyclable materials
  - C. To store recyclable materials for future use
  - D. To incinerate recyclable materials

Question ID : 630680779607  
Status : Answered  
Chosen Option : B

**Q.17** Carpet area does not include:

- Ans
- A. Staircase
  - B. Lift well
  - C. All of the given options
  - D. Corridor

Question ID : 630680779611  
Status : Answered  
Chosen Option : C

**Q.18** In sewerage systems, what is the purpose of a combined sewer overflow (CSO) structure?

- Ans
- A. To prevent sewage backups during heavy rainfall
  - B. To divert excess storm-water away from urban areas
  - C. To store treated wastewater for future reuse
  - D. To regulate the flow of sewage into treatment plants

Question ID : 630680779657  
Status : Answered  
Chosen Option : D

**Q.19** The volume of a metallic cylindrical pipe is  $1100 \text{ cm}^3$ . Its length is 14 cm, and its external radius is 13 cm. What is the thickness of the pipe? (use  $\pi = \frac{22}{7}$ )

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

Question ID : 630680375016  
Status : Not Answered  
Chosen Option : --

**Q.20** In the following para, four word segments have been highlighted. Choose the most appropriate one-word substitutes for all four segments to improve the writing:

The morning fog slowly 1. disappeared completely, revealing a landscape painted in shades of green and gold. A gentle breeze 2. made a gentle sound like dry paper moving through the leaves of the towering trees, creating a calming 3. sweet succession of sounds. Sunlight danced across a nearby stream, its surface shimmering like scattered diamonds. A lone bird 4. flew aloft through the clear blue sky, its melodical call echoing through the tranquil scene.

- Ans
- A. 1. evaporated, 2. rustled, 3. melody, 4. soared
  - B. 1. evacuated, 2. trembled, 3. rhythm, 4. assented
  - C. 1. abated, 2. rustled, 3. whisper, 4. assented
  - D. 1. dissolved, 2. whispered, 3. percussion, 4. glided

Question ID : 630680779680  
Status : Answered  
Chosen Option : D

**Q.21** Loosening ground to remove weeds is known as?

- Ans
- A. Pruning
  - B. Felling
  - C. Mulching
  - D. Hoeing

Question ID : 630680779639  
Status : Answered  
Chosen Option : D

**Q.22** Which principle of design is related primarily to visual unity based on the elements of art?

- Ans
- A. Balance
  - B. Variety
  - C. Emphasis
  - D. Harmony

Question ID : 630680779654  
Status : Answered  
Chosen Option : D

**Q.23** In a certain code language,  
A % B means 'A is the mother of B',  
A @ B means 'A is the sister of B',  
A # B means 'A is the son of B',  
and A & B means 'A is the husband of B'.

How is W related to S if 'W # I & C % K @ S'?

- Ans
- A. Mother's sister
  - B. Mother's brother
  - C. Brother
  - D. Sister

Question ID : 630680585532  
Status : Answered  
Chosen Option : C

**Q.24** Which of the following is a difference between quantitative and qualitative instruments?

- Ans  A. Quantitative instruments have a direct impact on the money supply, while qualitative instruments have an indirect impact on the money supply.
- B. Quantitative instruments are used to target specific industries, while qualitative instruments are used to target the economy as a whole.
- C. Quantitative instruments are used for short-term adjustments, while qualitative instruments are used for long-term adjustments.
- D. Quantitative instruments involve changing interest rates, while qualitative instruments involve changing reserve requirements.

Question ID : 630680215539  
Status : Answered  
Chosen Option : B

**Q.25** Seven people, H, E, A, R, I, N and G, are sitting around a circular table facing the centre. I sits to the immediate right of R. Only three people sit between I and G when counted from the left of I. Only three people sit between R and H. E sits to the immediate right of A. Who sits immediately to the left of N?

- Ans  A. G
- B. I
- C. H
- D. E

Question ID : 630680546328  
Status : Answered  
Chosen Option : B

**Q.26** According to the Census of India 2011, which state has the largest population?

- Ans  A. West Bengal
- B. Bihar
- C. Uttar Pradesh
- D. Maharashtra

Question ID : 630680394636  
Status : Answered  
Chosen Option : C

**Q.27** What is the primary objective of regression analysis in statistical data analysis?

- Ans  A. To predict the value of one variable based on the value of another variable
- B. To determine the frequency distribution of a dataset
- C. To identify patterns or trends in categorical data
- D. To compare means between two or more groups

Question ID : 630680779578  
Status : Answered  
Chosen Option : A

**Q.28** What is the process called when the government acquires private land for public purposes?

- Ans  A. Land Resumption
- B. Land pooling
- C. Land Resettlement
- D. Eminent Domain

Question ID : 630680779610  
Status : Answered  
Chosen Option : D

Section : Section D

**Q.1** Traffic conflicts that may occur in a rotary inter-section are:

- Ans  A. crossing, merging and diverging
- B. merging and diverging
- C. crossing and diverging
- D. crossing and merging

Question ID : 630680779582  
Status : Answered  
Chosen Option : A

**Q.2 Go off on a tangent**

What is the most likely meaning of this idiom?

- Ans  A. To make a quick decision
- B. To digress from the main topic
- C. To express strong emotions
- D. To become lost or confused

Question ID : 630680779681  
Status : Answered  
Chosen Option : B

**Q.3 Which of the following best describes a structural plan?**

- Ans  A. A plan that addresses the structural integrity and safety of existing infrastructure
- B. A plan that focuses on the layout and design of individual buildings within a city
- C. A plan that outlines the overall development and organization of land use within a region or municipality
- D. A plan that specifies the materials and construction methods to be used in building projects

Question ID : 630680779595  
Status : Answered  
Chosen Option : C

**Q.4 Which of the following is NOT typically included in the preparation of an urban and regional structure plan?**

- Ans  A. Formulation of transportation policies
- B. Analysis of demographic trends
- C. Identification of land use zones
- D. Assessment of air quality and pollution levels

Question ID : 630680779576  
Status : Answered  
Chosen Option : D

**Q.5 Which type of detection system is commonly used to detect the presence of intruders within a building?**

- Ans  A. Smoke detection system
- B. Motion detection system
- C. Temperature detection system
- D. Water leak detection system

Question ID : 630680779665  
Status : Answered  
Chosen Option : B

**Q.6 Which of the following is an example of self-help housing model where residents collectively purchase land and build their own homes?**

- Ans  A. Section 8 Housing
- B. Habitat for Humanity
- C. Public Housing
- D. Cooperative Housing

Question ID : 630680779629  
Status : Answered  
Chosen Option : D

**Q.7 The audience was captivated by the TM Krishna's engrossing narrative. What is the closest synonym for "engrossing" used in the sentence?**

- Ans  A. Engaging
- B. Brief
- C. Uninteresting
- D. Confusing

Question ID : 630680779684  
Status : Answered  
Chosen Option : A

Q.8 Which type of fire sprinkler system is typically used in high-hazard areas where rapid fire control is essential, such as aircraft hangars or chemical storage facilities?

- Ans  A. Pre-action system  
 B. Deluge system  
 C. Dry pipe system  
 D. Wet pipe system

Question ID : 630680779660  
 Status : Answered  
 Chosen Option : B

Q.9 The major religious place of the Sikhs, Sri Harmandir Sahib, is located at \_\_\_\_\_.

- Ans  A. Sri Muktsar Sahib  
 B. Gurdaspur  
 C. Tarn Taran Sahib  
 D. Amritsar

Question ID : 630680544063  
 Status : Not Answered  
 Chosen Option : --

Q.10 What safety factor is typically applied to the ultimate strength of materials in limit state design?

- Ans  A. 1.5  
 B. 1.0  
 C. 2.0  
 D. 3.5

Question ID : 630680779600  
 Status : Answered  
 Chosen Option : A

Q.11 Which factor should be considered when selecting plants for a landscape?

- Ans  A. Aesthetics only  
 B. Soil type and pH  
 C. Plant height  
 D. Plant cost

Question ID : 630680779640  
 Status : Answered  
 Chosen Option : B

Q.12 Which of the following is NOT a pillar of sustainable development as defined by the United Nations?

- Ans  A. Economic sustainability  
 B. Environmental sustainability  
 C. Social sustainability  
 D. Cultural sustainability

Question ID : 630680779670  
 Status : Answered  
 Chosen Option : D

Q.13 Simplify:  $\frac{(x^2 - 25)(25x^2 - 1)}{(x - \frac{1}{5})(1 - \frac{x}{5})} \times \frac{1}{(x + \frac{1}{5})(1 + \frac{x}{5})}$

- Ans  A. 625  
 B. -625  
 C.  $\frac{1}{625}$   
 D.  $-\frac{1}{625}$

Question ID : 630680553796  
 Status : Answered  
 Chosen Option : B



Q.14 Ability of an ecosystem to remain unchanged when being subjected to any disturbances?

- Ans  A. Homeostasis  
 B. Mutualism  
 C. Ecotone  
 D. Resistance

Question ID : 630680779646  
Status : Answered  
Chosen Option : A

Q.15 Considers the following statements about the Padma Awards.  
1. The Padma Awards are classified as Padma Vibhushan, Padma Bhushan and Padma Shri.  
2. The Padma Awards were instituted in 1954 by Government of India.  
3. It is awarded annually in the event of Independence Day.  
Select the correct answer using the code given below.

- Ans  A. 1, 2 and 3  
 B. 2 and 3 only  
 C. 1 and 2 only  
 D. 1 and 3 only

Question ID : 630680465709  
Status : Answered  
Chosen Option : A

Q.16 Which memory of the computer is used to speed up processing?

- Ans  A. RAM  
 B. ROM  
 C. None of the given options  
 D. Cache memory

Question ID : 630680779641  
Status : Answered  
Chosen Option : A

Q.17 Which term refers to the capacity of the eye to perceive and interpret visual information?

- Ans  A. Visual distortion  
 B. Visual symmetry  
 C. Visual clutter  
 D. Visual acuity

Question ID : 630680779656  
Status : Answered  
Chosen Option : D

Q.18 Seven people, K, L, M, N, A, B and C, are sitting in a straight line, facing north. Only two people sit to the left of A. Only three people sit between A and N. B sits second to the right of A. Only two people sit between B and L. K sits at some place to the right of C but at some place to the left of M. How many people sit to the right of K?

- Ans  A. Three  
 B. Four  
 C. Two  
 D. One

Question ID : 630680408753  
Status : Answered  
Chosen Option : A

Q.19 Horizontal illuminance is often not measured on \_\_\_\_\_.

- Ans  A. Wall  
 B. Work Surface  
 C. Desk  
 D. Floor

Question ID : 630680779651  
Status : Answered  
Chosen Option : A

Q.20 What property distinguishes wood as a structural material compared to steel and RCC?

- Ans  A. Anisotropic behavior  
 B. Ductility  
 C. High tensile strength  
 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 amendment?

- Ans  A. 12th  
 B. 10th  
 C. 9th  
 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?

- Ans  A. 12,500  
 B. 12,480  
 C. 12,000  
 D. 12,960

Question ID : 630680524010  
Status : Answered  
Chosen Option : A

Q.23 What do zoning regulations primarily govern?

- Ans  A. Taxation policies  
 B. Building heights and land use  
 C. Traffic rules  
 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:

- Ans  A. Relief  
 B. Contours  
 C. Slopes  
 D. Vegetation

Question ID : 630680779577  
Status : Answered  
Chosen Option : B

Q.25 What is the key purpose of zoning laws in urban planning?

- Ans  A. To regulate the architectural style of buildings  
 B. To ensure compatibility of land use within designated zones  
 C. To control population growth in certain areas  
 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  A. TR curve  
 B. AR curve  
 C. MR curve  
 D. TC curve

Question ID : 630680195198  
Status : Not Answered  
Chosen Option : --

Q.27 As per Census of India 2011, which of the following States/Union Territories recorded less than 90% literacy rate?

- Ans  A. Kerala  
 B. Lakshadweep  
 C. Mizoram  
 D. Chandigarh

Question ID : 630680544054  
Status : Answered  
Chosen Option : C

Q.28 Select the pair that follows the same pattern as the one followed by the two sets of pairs given below. Both pairs follow the same pattern.

RFQ : VIO  
GJW : KMU

- Ans  A. TJQ : XNO  
 B. GGS : KJU  
 C. MMV : QPT  
 D. VAU : ZDT

Question ID : 630680585699  
Status : Answered  
Chosen Option : B

Section : Section E

Q.1 Violent conflicts can also be exacerbated by the impacts of climate change. What is the closest synonym for "exacerbated" used in the sentence?

- Ans  A. To make something worse  
 B. To make something better  
 C. To make something detrimental  
 D. To make something reverberate

Question ID : 630680779685  
Status : Answered  
Chosen Option : B

Q.2 According to Census of India 2011, which religion has the highest concentration of followers in Himachal Pradesh?

- Ans  A. Buddhism  
 B. Christianity  
 C. Hinduism  
 D. Islam

Question ID : 630680270574  
Status : Answered  
Chosen Option : C

Q.3 What does Visual Basic (VB) primarily focus on?

- Ans  A. Web development  
 B. Graphical user interface (GUI) applications  
 C. Scientific computing  
 D. System-level programming

Question ID : 630680779643  
Status : Answered  
Chosen Option : B

Q.4 Which wastewater treatment process involves the biological breakdown of organic matter by microorganisms in the presence of oxygen?

- Ans  A. Secondary treatment  
 B. Anaerobic digestion  
 C. Primary treatment  
 D. Tertiary treatment

Question ID : 630680779605  
Status : Answered  
Chosen Option : A

Q.5 The Indo-Aryans are believed to have migrated to the Indian subcontinent from which region?

- Ans  A. Southeast Asia  
 B. Middle East  
 C. North Africa  
 D. Central Asia

Question ID : 630680779630  
Status : Answered  
Chosen Option : D

Q.6 Which of the following documents provides detailed instructions and requirements for the execution of construction work?

- Ans  A. Professional code of conduct  
 B. Estimate  
 C. Specification  
 D. Valuation report

Question ID : 630680779673  
Status : Answered  
Chosen Option : C

Q.7 One of the Garo tribes known as the Achiks is the second largest tribe in the state of \_\_\_\_\_.

- Ans  A. Meghalaya  
 B. Kerala  
 C. Tamil Nadu  
 D. Mizoram

Question ID : 630680394637  
Status : Answered  
Chosen Option : D

Q.8 Nati' is a famous folk dance of which state?

- Ans  A. Gujarat  
 B. Bihar  
 C. Uttar Pradesh  
 D. Himachal Pradesh

Question ID : 630680731540  
Status : Answered  
Chosen Option : D

Q.9 Which architectural movement was heavily influenced by Cubism and Futurism?

- Ans  A. Gothic Revival  
 B. Modernism  
 C. Art Nouveau  
 D. Postmodernism

Question ID : 630680779633  
Status : Answered  
Chosen Option : B

Q.10 The number of applicants in a competitive examination decreased by 12% in 2024. If there were 235000 applicants in 2023, then what is the number of applicants in 2024?

- Ans  A. 208600  
 B. 206800  
 C. 205700  
 D. 206400

Question ID : 630680731536  
Status : Answered  
Chosen Option : B

Q.11 Which of the following is an example of a complex structural system commonly used in high-rise buildings to resist lateral loads?

- Ans  A. Steel moment-resisting frames  
 B. Timber truss framing  
 C. Reinforced concrete shear walls  
 D. Masonry bearing walls

Question ID : 630680779601  
Status : Answered  
Chosen Option : C

Q.12 Which of the following does not provide information on ancient town planning and construction in India?

- Ans  A. Padshahnama  
 B. Arthashastra  
 C. Mansara Shilpashastra  
 D. Manushalaya Chandrika

Question ID : 630680779666  
Status : Answered  
Chosen Option : D

Q.13 What is a characteristic feature of ridesharing services?

- Ans  A. Dynamic pricing based on demand  
 B. Exclusive use of private vehicles  
 C. Fixed-route schedules  
 D. Limited-service hours during peak times

Question ID : 630680779586  
Status : Answered  
Chosen Option : C

Q.14 What is the minimum ceiling height of a habitable room as per NBC?

- Ans  A. 3000mm  
 B. 2580mm  
 C. 2400mm  
 D. 2750mm

Question ID : 630680779621  
Status : Answered  
Chosen Option : D

Q.15 Gravity model is used in transportation planning process for

- Ans  A. Trip distribution  
 B. Model split  
 C. Trip assignment  
 D. Trip generation

Question ID : 630680779583  
Status : Answered  
Chosen Option : A

Q.16 What is the primary function of a Building Energy Management System (BEMS) in an intelligent building?

- Ans  A. To control access to different building zones  
 B. To regulate indoor air quality  
 C. To optimize energy usage and reduce costs  
 D. To enhance security through surveillance cameras

Question ID : 630680779664  
Status : Answered  
Chosen Option : C

Q.17 What fire protection measure is commonly used to enhance the fire resistance of structural steel members in buildings?

- Ans  A. Incorporation of passive ventilation systems  
 B. Application of intumescent coatings  
 C. Use of fire-retardant paints  
 D. Installation of sprinkler systems

Question ID : 630680779603  
Status : Answered  
Chosen Option : B

**Q.18** Read the given statements and conclusions carefully. Assuming that the information given in the statement(s) is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

**Statements:**  
 All mammals are herbivores.  
 All herbivores are carnivores.  
 No mammal is omnivore.

**Conclusion:**  
 (I) Some herbivores are omnivores.  
 (II) Some carnivores are mammals.

- Ans**  A. Neither Conclusion (I) nor (II) follows.  
 B. Only Conclusion (I) follows.  
 C. Only Conclusion (II) follows.  
 D. Both Conclusions (I) and (II) follow.

Question ID : 630680571295  
 Status : Answered  
 Chosen Option : C

**Q.19** Which of the following is NOT a type of balance in visual arts?

- Ans**  A. Transient  
 B. Radial  
 C. Symmetrical  
 D. Asymmetrical

Question ID : 630680779653  
 Status : Answered  
 Chosen Option : A

**Q.20** Which architectural style emerged as a response to the industrial revolution's impact on society, emphasizing simplicity, functionality, and the use of industrial materials?

- Ans**  A. Gothic Revival  
 B. Modernism  
 C. Art Deco  
 D. Brutalism

Question ID : 630680779636  
 Status : Answered  
 Chosen Option : B

**Q.21** Tundra ecosystem is part of which type of ecosystem?

- Ans**  A. None of the given options  
 B. Both Terrestrial and Aquatic  
 C. Terrestrial  
 D. Aquatic

Question ID : 630680779645  
 Status : Answered  
 Chosen Option : D

**Q.22** What is the term used for land which is left without cultivation for one or less than one agricultural year?

- Ans**  A. Culturable wasteland  
 B. Grazing land  
 C. Current fallow  
 D. Gross cropped area

Question ID : 630680779613  
 Status : Answered  
 Chosen Option : A

**Q.23** A rolling stone gathers no moss

**What is the most likely meaning of this proverb?**

- Ans**  A. Someone who is constantly changing jobs or activities will not achieve success.  
 B. Experience gained through travel is valuable  
 C. It's important to be patient and wait for the right opportunity  
 D. It's important to take risks in order to achieve your goals.

Question ID : 630680779682  
 Status : Answered  
 Chosen Option : C

Q.24 Which theory of migration suggests that individuals migrate to urban areas in search of better economic opportunities?

- Ans
- A. Push-pull theory
  - B. Network theory
  - C. Segmented labor market theory
  - D. Neoclassical theory

Question ID : 630680779589  
Status : Answered  
Chosen Option : A

Q.25 Three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the letter-cluster that does not belong to that group?

- Ans
- A. QXS
  - B. IPK
  - C. MTO
  - D. FMG

Question ID : 630680521956  
Status : Answered  
Chosen Option : D

Q.26 Which of the following factors is NOT typically considered during the process of regional planning?

- Ans
- A. Socio-economic demographics
  - B. Cultural heritage
  - C. Transportation infrastructure
  - D. International trade policies

Question ID : 630680779587  
Status : Answered  
Chosen Option : D

Q.27 The average of marks obtained by the first 10 students of a class is 33 and that by the remaining 8 students is 45. What is the average marks of all the students in the class? (correct to one decimal place)

- Ans
- A. 39.7
  - B. 37.2
  - C. 38.3
  - D. 35.4

Question ID : 630680530778  
Status : Answered  
Chosen Option : C

Q.28 According to Census of India 2011, which of the following groups of states recorded the highest population?

- Ans
- A. Uttar Pradesh, Odisha, Maharashtra, Assam
  - B. Uttar Pradesh, Madhya Pradesh, Andhra Pradesh, Tamil Nadu
  - C. Uttar Pradesh, Maharashtra, Rajasthan, Gujarat
  - D. Uttar Pradesh, Maharashtra, Bihar, West Bengal

Question ID : 630680544042  
Status : Answered  
Chosen Option : D