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# MPSC TPA

Previous Year Paper  
01 Jan, 2025 Shift 1



## Answer key of Town Planning Multipost Recruitment Exam 31st Dec 2024 to 2nd Jan 2025 for Objection Handling Purpose Only

Test Date	01/01/2025
Test Time	9:00 AM - 11:00 AM
Subject	Planning Assistant

Section : Marathi

Q.1 अधोरेखित शब्द पुढीलपैकी कोणत्या स्वरूपाचे आहेत?  
त्याची धाकटी मुलगी आज क्रिकेटच्या सामन्यात चांगली खेळली.

Ans

- 1. उद्देश विस्तार
- 2. विधेय विस्तार
- 3. विधेय
- 4. उद्देश

Q.2 सिंधुताई अतिशय संवेदनशील होत्या. या वाक्याचे उद्घारार्थी वाक्यात रूपांतर पुढीलपैकी कोणते असेल ?

Ans

- 1. सिंधुताई खूपच संवेदनशील होत्या!
- 2. सिंधुताई किती संवेदनशील होत्या!
- 3. सिंधुताई अतिशय संवेदनशील होत्या ना!
- 4. किती संवेदनशील होत्या सिंधुताई!

Q.3 खालीलपैकी कोणता शब्द स्त्रीलिंगी आहे?

Ans

- 1. पुस्तक
- 2. विदुषी
- 3. झाड
- 4. आरसा

Q.4 आजोबांनी मुलांना गोष्ट सांगितली. या वाक्यातील कर्म ओळखा.

Ans

- 1. गोष्ट
- 2. मुलांना
- 3. आजोबा
- 4. सांगितली

Q.5 रिकाम्या जागेसाठी योग्य पर्यायाची निवड करा.  
तितिक्षा म्हणजे \_\_\_\_\_.

Ans

- 1. कर्जाचा बोजा असणारा.
- 2. हालअपेष्टा सहन करण्याचा गुण.
- 3. शत्रूला सामील झालेला.
- 4. तिन्ही बाजूंनी पाणी असलेला प्रदेश.

Q.6 भाषा म्हणजे.....

Ans

- 1. बोलणे
- 2. लिहणे
- 3. संभाषणाची कला
- 4. विचार व्यक्त करण्याचे साधन

Q.7 'रजक' या शब्दाचा समानार्थी असलेला शब्द ओळखा.

Ans ✗ 1. नरेश

✗ 2. प्रभाव

✓ 3. परीट

✗ 4. जनता

Q.8 मराठी भाषेचे जॉन्सन कोणास म्हटले जाते ?

Ans ✗ 1. विष्णुशास्त्री चिपळूणकर

✓ 2. कृष्णशास्त्री चिपळूणकर

✗ 3. बाळशास्त्री जांभेकर

✗ 4. मो. रा. वाळंबे

Q.9 सहन न होणे या अर्थाचा वाक्यप्रचार कोणता ?

Ans ✓ 1. डोऱ्यात खुपणे.

✗ 2. डोऱ्यात भरणे.

✗ 3. डोळे फिरणे.

✗ 4. डोळे उघडणे.

Q.10 खालीलपैकी संयुक्त क्रियापद असणारे वाक्य कोणते?

Ans ✗ 1. राणी गाणे गाते.

✗ 2. रमेश खरे बोलतो.

✗ 3. आई गोष्ट सांगते

✓ 4. राहुल अऱ्यास करत आहे.

Q.11 खालील वाक्यातील विधेयपूरक ओळखा

'मोत्याची माळ गव्यास शोभा देते.'

Ans ✗ 1. शोभा

✗ 2. माळ

✓ 3. गव्यास

✗ 4. मोत्याची

Q.12 खालील वाक्यातील विधेय ओळखा.

'सकाळी मंदिराचा दरवाजा उघडला.'

Ans ✓ 1. उघडला

✗ 2. मंदिराचा

✗ 3. दरवाजा

✗ 4. सकाळी

Section : Marathi

### Comprehension:

उतारा वाचून उताऱ्यावरील प्रश्नांची उत्तरे लिहा.

उसाची फायनेल बिलं सुरु झालेली. सान्या माणसांची धाव वारणेवर लागलेली. मुऱ्यांच्या रीवणासारखी माणसं वारणंवर जात होती. आत्तापर्यंत तीन अँडक्हान्स बिलं झाली होती. आजचं फायनेल बिल होतं. लाग लागवड, रासायनिक खतं, सोसायटीची उचल, इरिगेशनची पाणीपट्टी या सर्व कटिंगमधून शेतकऱ्यांच्या हाती तरी काय येणार होतं?... तरीपण चार रुपये मिळतील या खोट्या आशेन माणसं धाव घेत होती. शंकर जगतापही सकाळीच वारणानगरला बैकेत गेला होता. फायनल बिलातून चार रुपये मिळतील आणि उथारीची चार बिळं बूजवता येतील, ही त्यालाही आशा होती. पाच वाजलं आणि शंकर जगताप आला. पुढील सोप्यात भिंतीला पाठ लावून दुचागती होऊन बसला. त्यान बिडी पेटविली आणि त्या धुराकडे शून्यात पहावं तसं पहात राहिला. त्याचा मुलगा संपत, यावर्षी बी.ए.च्या वर्गात शिकत होता. तो कॉटवर बसला होता. आपल्या वडिलांच्या चेहन्याकडे बघूनच त्यानं काय ओळखायचं ते ओळखलं. तो कॉटवरून उठला. आत मधघरात जाऊन कपडे घालून बाहेर आला. आरशापुढे उभं राहून केस विचरू लागला. तो बाहेर जाण्याच्या तयारीत आहे हे शंकरनं ओळखलं आणि तो त्याला म्हणाला, "संपत, ती कापडं काढ आणि आजच्या दिवस मव्याकडं जा. तेव्हांच्या धारा काढून ये जा." "मी नाही. मी वारणंवर जाणार आहे. व्याख्यानमाला सुरू आहे." संपतनं जाण्याचं कारण सांगितलं.

### SubQuestion No : 1

Q.1 उताऱ्यात आलेल्या खालील वाक्याचा शब्दसमूहाबद्दल एक शब्द लिहा.  
'पाण्यासाठी भरला जाणार करा'

Ans  1. घरपट्टी  
 2. मोजपट्टी  
 3. पाणीपट्टी  
 4. जकात

### Comprehension:

उतारा वाचून उताऱ्यावरील प्रश्नांची उत्तरे लिहा.

उसाची फायनेल बिलं सुरु झालेली. सान्या माणसांची धाव वारणेवर लागलेली. मुऱ्यांच्या रीवणासारखी माणसं वारणंवर जात होती. आत्तापर्यंत तीन अँडक्हान्स बिलं झाली होती. आजचं फायनेल बिल होतं. लाग लागवड, रासायनिक खतं, सोसायटीची उचल, इरिगेशनची पाणीपट्टी या सर्व कटिंगमधून शेतकऱ्यांच्या हाती तरी काय येणार होतं?... तरीपण चार रुपये मिळतील या खोट्या आशेन माणसं धाव घेत होती. शंकर जगतापही सकाळीच वारणानगरला बैकेत गेला होता. फायनल बिलातून चार रुपये मिळतील आणि उथारीची चार बिळं बूजवता येतील, ही त्यालाही आशा होती. पाच वाजलं आणि शंकर जगताप आला. पुढील सोप्यात भिंतीला पाठ लावून दुचागती होऊन बसला. त्यान बिडी पेटविली आणि त्या धुराकडे शून्यात पहावं तसं पहात राहिला. त्याचा मुलगा संपत, यावर्षी बी.ए.च्या वर्गात शिकत होता. तो कॉटवर बसला होता. आपल्या वडिलांच्या चेहन्याकडे बघूनच त्यानं काय ओळखायचं ते ओळखलं. तो कॉटवरून उठला. आत मधघरात जाऊन कपडे घालून बाहेर आला. आरशापुढे उभं राहून केस विचरू लागला. तो बाहेर जाण्याच्या तयारीत आहे हे शंकरनं ओळखलं आणि तो त्याला म्हणाला, "संपत, ती कापडं काढ आणि आजच्या दिवस मव्याकडं जा. तेव्हांच्या धारा काढून ये जा." "मी नाही. मी वारणंवर जाणार आहे. व्याख्यानमाला सुरू आहे." संपतनं जाण्याचं कारण सांगितलं.

### SubQuestion No : 2

Q.2 शंकरने संपतला दिलेली सूचना कोणती ?

Ans  1. आज चित्रपट पहायला जा.  
 2. आज मामाकडे जा.  
 3. आज मव्याकडे जा.  
 4. आज शाळेत जा.

### Comprehension:

उतारा वाचून उताऱ्यावरील प्रश्नांची उत्तरे लिहा.

उसाची फायनेल बिलं सुरु झालेली. सान्या माणसांची धाव वारणेवर लागलेली. मुऱ्यांच्या रीवणासारखी माणसं वारणंवर जात होती. आत्तापर्यंत तीन अँडक्हान्स बिलं झाली होती. आजचं फायनेल बिल होतं. लाग लागवड, रासायनिक खतं, सोसायटीची उचल, इरिगेशनची पाणीपट्टी या सर्व कटिंगमधून शेतकऱ्यांच्या हाती तरी काय येणार होतं?... तरीपण चार रुपये मिळतील या खोट्या आशेन माणसं धाव घेत होती. शंकर जगतापही सकाळीच वारणानगरला बैकेत गेला होता. फायनल बिलातून चार रुपये मिळतील आणि उथारीची चार बिळं बूजवता येतील, ही त्यालाही आशा होती. पाच वाजलं आणि शंकर जगताप आला. पुढील सोप्यात भिंतीला पाठ लावून दुचागती होऊन बसला. त्यान बिडी पेटविली आणि त्या धुराकडे शून्यात पहावं तसं पहात राहिला. त्याचा मुलगा संपत, यावर्षी बी.ए.च्या वर्गात शिकत होता. तो कॉटवर बसला होता. आपल्या वडिलांच्या चेहन्याकडे बघूनच त्यानं काय ओळखायचं ते ओळखलं. तो कॉटवरून उठला. आत मधघरात जाऊन कपडे घालून बाहेर आला. आरशापुढे उभं राहून केस विचरू लागला. तो बाहेर जाण्याच्या तयारीत आहे हे शंकरनं ओळखलं आणि तो त्याला म्हणाला, "संपत, ती कापडं काढ आणि आजच्या दिवस मव्याकडं जा. तेव्हांच्या धारा काढून ये जा." "मी नाही. मी वारणंवर जाणार आहे. व्याख्यानमाला सुरू आहे." संपतनं जाण्याचं कारण सांगितलं.

### SubQuestion No : 3

Q.3 संपत शिकत असलेला वर्ग कोणता ?

Ans  1. 10 वी  
 2. एम. ए.  
  
 3. बी. ए.  
 4. 12 वी

**Q.1** Select the most appropriate synonym of the given word.  
Recapitulate

Ans  1. Dilate  
 2. Elaborate  
 3. Explain  
 4. Rete

**Q.2** Select the most appropriate ANTONYM of the given word.

Extemporaneous

Ans  1. fulgent  
 2. Premeditated  
 3. Inconceivable  
 4. Aberrant

**Q.3** Select the most appropriate option to fill in the blanks.

She bought \_\_\_\_\_ new dress and \_\_\_\_\_ pair of shoes for the party.

Ans  1. the;  
 2. a;  
 3. a; t  
 4. an;

**Q.4** Rearrange the following sentences to form a coherent paragraph.

1. That helped me take the weight off my feet
2. My hand was trapped too high up so I couldn't lie down, and as soon as my knee bent and my weight pulled on my wrist, the pain was agonising.
3. Although I soon realised that the straps restricted the blood supply, and I couldn't sit in it for more than 20 minutes.
4. Using a rope and some of my climbing gear, I managed to fix a kind of seat with my left hand.
5. Even if I wanted to sleep, I couldn't

Ans  1. 345  
 2. 241  
 3. 354  
 4. 215

**Q.5** Select the correct spelling of the incorrectly spelt word in the given sentence.

The new parliament remains the centre of controversy as building costs aescalate.

Ans  1. Escala  
 2. Ascalate  
 3. Escala  
 4. Asscalate

**Q.6** Select the option that can be used as a one-word substitute for the given group of words/phrase.

An entertainer who performs spectacular gymnastic feats.

Ans  1. Contortionist  
 2. Acrobat  
 3. Aerialist  
 4. Tightrope walker

**Q.7** Select the most appropriate form of an adjective to complete the sentence given below.

It was a \_\_\_\_\_ heart with lots of hearts growing smaller inside, and piercing from the outside rim to the smallest heart was an arrow.

Ans  1. larger

2. most large

3. large

4. largest

**Q.8** Select the most appropriate option to fill in the blank.

The garden, with its \_\_\_\_\_ array of vibrant flowers and delicate fountains, looked like a scene from a fairy tale.

Ans  1. repugnant

2. macabre

3. beauteous

4. grotesque

**Q.9** Select the most appropriate option that can substitute the highlighted idiom/phrase in the given sentence.

He is always that way. He is habituated to fishing in troubled waters.

Ans  1. putting others in danger

2. taking advantage of difficult situations for gain

3. indulging in conspiracies

4. worsening situations

**Q.10** Select the most appropriate article to fill in the blank. If no article is required, select 'No article required'.

She was hired as an HR as she was \_\_\_\_\_ MBA degree holder with 5 years of experience in the field.

Ans  1. the

2. a

3. No article required

4. an

Section : English

#### Comprehension:

Read the given passage and answer the questions that follow.

All global rankings are not equivalent. Some, like the Human Development Index, are well thought out and carefully constructed, although they also face challenges in getting accurate country-level data. Others seem to be hastily put together, often excluding perspectives from the Global South. For example, the now-abandoned World Bank Ease of Doing Business Index focused on limited liability companies, covering only 14% of Indian businesses and excluding sole proprietorships, the mainstay of Indian businesses. The Global Gender Gap Index focuses on the gender gap in earnings but not in poverty — an indicator on which the United States might do poorly due to a large number of mother-only families, but where South Asian countries might fare better.

Nonetheless, given how much international organisations and foundations that fund them love ranking countries and are convinced these are effective tools in holding countries accountable, it is unlikely that any criticism will vanquish this industry. However, it is possible to hold it accountable through simple steps.

#### SubQuestion No : 1

**Q.1** Which of the following can be inferred from the passage?

Ans  1. Many global rankings lack comprehensive data and may not accurately reflect the realities of all countries.

2. The Global South is adequately represented in global rankings.

3. Global rankings are universally accepted as reliable indicators of a country's performance.

4. Rankings like the Human Development Index have no challenges in their construction.

**Comprehension:**

Read the given passage and answer the questions that follow.

All global rankings are not equivalent. Some, like the Human Development Index, are well thought out and carefully constructed, although they also face challenges in getting accurate country-level data. Others seem to be hastily put together, often excluding perspectives from the Global South. For example, the now-abandoned World Bank Ease of Doing Business Index focused on limited liability companies, covering only 14% of Indian businesses and excluding sole proprietorships, the mainstay of Indian businesses. The Global Gender Gap Index focuses on the gender gap in earnings but not in poverty — an indicator on which the United States might do poorly due to a large number of mother-only families, but where South Asian countries might fare better.

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**SubQuestion No : 2**

**Q.2** **What is the tone of the passage?**

Ans  1. Cynical  
 2. Optimistic  
 3. Neutral  
 4. Critical

**Comprehension:**

Read the given passage and answer the questions that follow.

All global rankings are not equivalent. Some, like the Human Development Index, are well thought out and carefully constructed, although they also face challenges in getting accurate country-level data. Others seem to be hastily put together, often excluding perspectives from the Global South. For example, the now-abandoned World Bank Ease of Doing Business Index focused on limited liability companies, covering only 14% of Indian businesses and excluding sole proprietorships, the mainstay of Indian businesses. The Global Gender Gap Index focuses on the gender gap in earnings but not in poverty — an indicator on which the United States might do poorly due to a large number of mother-only families, but where South Asian countries might fare better.

Nonetheless, given how much international organisations and foundations that fund them love ranking countries and are convinced these are effective tools in holding countries accountable, it is unlikely that any criticism will vanquish this industry. However, it is possible to hold it accountable through simple steps.

**SubQuestion No : 3**

**Q.3** **What is the central theme of the passage?**

Ans  1. The inadequacies and biases present in various global rankings  
 2. The effectiveness of global rankings in measuring country performance  
 3. The importance of considering diverse perspectives in global rankings  
 4. The challenges faced by international organisations in collecting data

**Comprehension:**

Read the given passage and answer the questions that follow.

All global rankings are not equivalent. Some, like the Human Development Index, are well thought out and carefully constructed, although they also face challenges in getting accurate country-level data. Others seem to be hastily put together, often excluding perspectives from the Global South. For example, the now-abandoned World Bank Ease of Doing Business Index focused on limited liability companies, covering only 14% of Indian businesses and excluding sole proprietorships, the mainstay of Indian businesses. The Global Gender Gap Index focuses on the gender gap in earnings but not in poverty — an indicator on which the United States might do poorly due to a large number of mother-only families, but where South Asian countries might fare better.

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**SubQuestion No : 4**

**Q.4** **Select the most appropriate ANTONYM of the word 'liability' as used in the passage?**

Ans  1. Responsibility  
 2. Burden  
 3. Advantage  
 4. Obligation

**Comprehension:**

Read the given passage and answer the questions that follow.

All global rankings are not equivalent. Some, like the Human Development Index, are well thought out and carefully constructed, although they also face challenges in getting accurate country-level data. Others seem to be hastily put together, often excluding perspectives from the Global South. For example, the now-abandoned World Bank Ease of Doing Business Index focused on limited liability companies, covering only 14% of Indian businesses and excluding sole proprietorships, the mainstay of Indian businesses. The Global Gender Gap Index focuses on the gender gap in earnings but not in poverty — an indicator on which the United States might do poorly due to a large number of mother-only families, but where South Asian countries might fare better.

Nonetheless, given how much international organisations and foundations that fund them love ranking countries and are convinced these are effective tools in holding countries accountable, it is unlikely that any criticism will vanquish this industry. However, it is possible to hold it accountable through simple steps.

**SubQuestion No : 5**

**Q.5 Select the most appropriate one-word summary of the passage.**

**Ans**  1. Rankings

2. Critique

3. Accountability

4. Inequality

**Section : General Knowledge**

**Q.1 Who among the following is NOT included in the list of astronauts for Gaganyaan Mission?**

**Ans**  1. Biju Thomas

2. Prashanth Balakrishnan Nair

3. Angad Prathap

4. Shubanshu Shukla

**Q.2 Ganpatipule Beach is situated in which district of Maharashtra?**

**Ans**  1. Thane

2. Ratnagiri

3. Sindhudurg

4. Raigad

**Q.3 Which of the following soil types covers most of the Deccan Plateau, which includes a major part of Maharashtra?**

**Ans**  1. Yellow soil

2. Saline soil

3. Red soil

4. Black soil

**Q.4 Which of the following is defined as the verification, monitoring and analysis of use of energy including submission of technical report containing recommendations for improving energy efficiency with cost benefit analysis and an action plan to reduce energy consumption?**

**Ans**  1. Energy Monitoring

2. Energy Audit

3. Energy Management

4. Energy Budgeting

**Q.5** The Purna river, which rises in Madhya Pradesh, joins the Tapi river near which of the following places in Maharashtra?

Ans  1. Akola

2. Edalabad

3. Buldana

4. Nagpur

**Q.6** Under which Article of the Indian Constitution is the 'Freedom to manage religious affairs' provided as part of the Right to Freedom of Religion?

Ans  1. Article 17

2. Article 20

3. Article 12

4. Article 26

**Q.7** What was the theme for World Tourism Day 2024?

Ans  1. Tourism and Culture

2. Tourism and Innovation

3. Tourism and Sustainability

4. Tourism and Peace

**Q.8** Which of the following is NOT a feature of the Indian Constitution?

Ans  1. Universal Adult Franchise

2. Presidential form of government

3. Secularism

4. Parliamentary form of government

**Q.9** Which of the following Fundamental Rights protects against discrimination on grounds of religion, race, caste, sex, or place of birth?

Ans  1. Cultural and Educational Rights

2. Right to Equality

3. Right to Constitutional Remedies

4. Right to Freedom of Religion

**Q.10** India's first reusable hybrid rocket, RHUMI-1, which was launched on 24 August 2024, is aimed at improving our understanding of which area?

Ans  1. Satellite technology

2. Space exploration

3. Communication satellites

4. Climate change

**Q.11** Pratapsingh Maharaj of Satara was deposed by the British, leading to the annexation of the Satara kingdom, this resulted as the primary form of armed revolution in \_\_\_\_\_.

Ans  1. 1857

2. 1844

3. 1860

4. 1850

**Q.12** Who among the following returned in 1854 and helped organise the revolt of 1857?

Ans  1. Nana Sahib

2. Bakht Khan

3. Mangal Pandey

4. Rango Bapuji

**Q.13** In which categories were Gwalior and Kozhikode recognised by UNESCO on 'World Cities Day' in October 2023?

Ans  1. Gwalior in Art and Kozhikode in Design  
 2. Gwalior in Music and Kozhikode in Literature  
 3. Gwalior in Literature and Kozhikode in Music  
 4. Gwalior in Dance and Kozhikode in Film

**Q.14** What specific protein in the African Swine Fever Virus (ASFV) was the focus of the research at IIT Guwahati, published in July 2024?

Ans  1. p45  
 2. p50  
 3. p15  
 4. p30

**Q.15** In which year was the Bachat Lamp Yojna (BLY) launched for replacement of inefficient bulbs with Compact Fluorescent Lamps (CFLs)?

Ans  1. 2012  
 2. 2010  
 3. 2014  
 4. 2009

#### Section : Intelligence Test

**Q.1** CF starts from Point A and drives 16 km towards the north. He then takes a right turn, drives 9 km, turns right and drives 6 km. He then takes a left turn, drives 2 km, turns right and drives 23 km. He then takes a right turn and drives 16 km. He takes a final right turn, drives 13 km and stops at Point P.

How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are  $90^\circ$  turns only, unless specified)

Ans  1. 5 km, to the east  
 2. 3 km, to the west  
 3. 6 km, to the east  
 4. 4 km, to the west

**Q.2** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusion(s) logically follow(s) from the statements.

Statements: All bulbs are lights. No light is a fire.

Conclusions (I): No bulb is a fire.  
Conclusions (II): Some fires are lights.

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

**Q.3** A can complete a piece of work in 56 days. B is 50% less efficient than A. C is 60% more efficient than B. B and C work together for 10 days. A alone will complete the remaining work in:

Ans  1. 42 days  
 2. 45 days  
 3. 48 days  
 4. 43 days

**Q.4** What time (in seconds) is required for a 577 m long train to cross a 468 m long tunnel, if the train travels at a speed of 18 km/h?

Ans  1. 209  
 2. 199  
 3. 211  
 4. 215

**Q.5** Rupesh invested ₹52500 in a bank. In two years how much compound interest (in ₹) will he get considering annual compounding, if the first year rate of interest was 7% per annum and second year was 8% per annum?

Ans  1. 7819  
 2. 8169  
 3. 7969  
 4. 8419

**Q.6** A man deposits ₹6698 at 20% rate of simple interest per annum. The total amount (in ₹) he will get at the end of 15 years is:

Ans  1. 26546  
 2. 26832  
 3. 26792  
 4. 26494

**Q.7** There are 48 members in group A, 54 members in group B and 51 members in group C. All the members of these groups went to a restaurant. The average amount spent on each member of group A, B and C is ₹315, ₹264 and ₹459, respectively. The average amount (in ₹) spent per member is:

Ans  1. 345  
 2. 342  
 3. 343  
 4. 350

**Q.8** If 'δ' stands for '÷', 'μ' stands for '×', 'β' stands for '+' and 'γ' stands for '−', what will come in place of the question mark '?' in the following equation?

$$15 \mu 3 \beta 14 \gamma 2 \mu 4 \beta 18 \delta 3 = ?$$

Ans  1. 51  
 2. 65  
 3. 57  
 4. 59

**Q.9** In this question, a statement is followed by two assumptions numbered I and II. You have to assume everything in the statement to be true and decide which of the assumptions is implicit in the statement.

Statement: The university has introduced an aptitude test as a mandatory criterion for admission into the postgraduate programme.

Assumptions:

I. The university believes that the aptitude test is a reliable measure of a candidate's potential.  
II. Academic performance alone is not sufficient to determine a candidate's eligibility for the programme.

Ans  1. Only assumption II is implicit.  
 2. Neither assumption I nor II are implicit.  
 3. Only assumption I is implicit.  
 4. Both assumptions I and II are implicit.

Q.10 Refer to the following letter-symbol series and answer the given question.

(Left) L C Z A π λ % D W B σ η Ω G H K ξ Q (Right)

If all the symbols are dropped from the series, which of the following letters will be eighth from the left end?

Ans  1. G

2. A

3. H

4. K

Q.11 Which of the following letter-clusters should replace # and % so that the pattern and relationship followed between the letter-cluster pair on the left side of :: is the same as that on the right side of ::?

# : HDX :: FNC : %

Ans  1. # = GCW, % = GMB

2. # = IEY, % = EOB

3. # = IEW, % = EMD

4. # = ICW, % = GOB

Q.12 A man makes a monthly payment equal to 25% of his monthly salary towards debt repayment. He spends 60% of the remaining salary and saves ₹5550. His monthly salary is:

Ans  1. 17940

2. 18620

3. 18500

4. 18320

Q.13 Three players S, T and U scored 343 runs in a one-day cricket match. The ratio of the number of runs scored by S to that of T and of T to that of U is 5 : 3. Find the number of runs scored by T.

Ans  1. 175

2. 105

3. 63

4. 123

Q.14 What should come in place of the question mark (?) in the given series?

124 102 83 67 54 ?

Ans  1. 51

2. 26

3. 44

4. 35

Q.15 Let x be the greatest number which, when divides 7823, 8337 and 6984, the remainders are 49, 56 and 55, respectively. What is the sum of the digits of x?

Ans  1. 2

2. 24

3. 18

4. 16

Section : Technical

**Q.1** What symbol is used in AutoCAD to indicate relative coordinates from the last point?

Ans  1. @

2. \*

3. #

4. &

**Q.2** In the construction of the steel roof truss, which of the following is NOT a function of struts?

Ans  1. To resist compression forces

2. Tension resistance

3. To act as a covering material for roofs

4. To absorb roof surface impacts

**Q.3** Which command is used to draw freeform curves in AutoCAD that pass through a set of points?

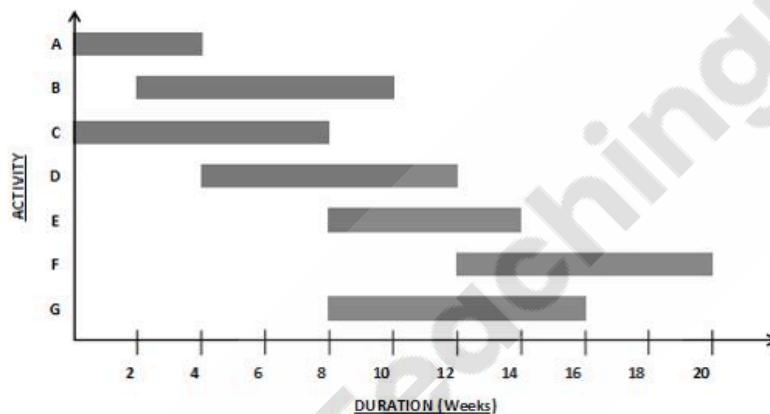
Ans  1. SPLINE

2. RECTANGLE

3. CIRCLE

4. LINE

**Q.4** The following is the bar chart of a project. The number of activities that are at least half complete by the 10th week is \_\_\_\_\_.



Ans  1. 3

2. 4

3. 2

4. 5

**Q.5** How does climate affect the rate of water demand?

Ans  1. Hot and dry climates significantly increase water demand due to activities, like frequent bathing and watering the garden.

2. Water demand remains largely unchanged, regardless of the climate.

3. Colder climates lead to a moderate increase in water demand due to heating needs.

4. Wet climates may lead to a reduction in outdoor water use, but do not significantly affect the overall water demand.

**Q.6** The maximum permissible (limiting) value of cant excess for broad gauge track in Indian railways is \_\_\_\_\_.

Ans  1. 50 mm

2. 75 mm

3. 125 mm

4. 150 mm

**Q.7** What angle do the axes make with each other in an isometric drawing?

Ans  1. 120 degrees

2. 30 degrees

3. 90 degrees

4. 60 degrees

**Q.8** What type of wind turbine is most commonly used in India for large-scale power generation?

Ans  1. Vertical Axis Wind Turbines (VAWT)

2. Darrieus Wind Turbines

3. Drag-based Wind Turbines

4. Horizontal Axis Wind Turbines (HAWT)

**Q.9** In any construction project, the contract documents are prepared \_\_\_\_\_.

Ans  1. after the tender notice but before the selection of the contractor

2. after the commencement of work

3. after the selection of the contractor but before the commencement of work

4. before the tender notice

**Q.10** When sketching an isometric view of an object, which dimension is NOT foreshortened?

Ans  1. Only width dimension

2. All dimensions are foreshortened

3. Only vertical dimension

4. Only depth dimension

**Q.11** Which group of bacteria is responsible for producing methane in anaerobic digestion?

Ans  1. Acidogenic bacteria

2. Methanogenic bacteria

3. Acetogenic bacteria

4. Hydrolytic bacteria

**Q.12** What is the principle of 'Kompetenz-Kompetenz'?

Ans  1. It grants arbitrators the power to rule on their own jurisdiction.

2. It allows arbitrators to nullify contracts automatically.

3. It refers to the court's ability to override arbitration.

4. It requires arbitrators to defer to court jurisdiction.

**Q.13** According to the Building and Other Construction Workers Act of 1996, the employer of an establishment should notify the relevant authorities only when an accident prevents the injured person from working:

Ans  1. for a period of 48 hours

2. for a period of 72 hours

3. immediately after the accident

4. for a period of 24 hours

**Q.14** As per Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013, the assessment done to check whether the proposed land acquisition by the government serves public purpose is \_\_\_\_\_.

Ans  1. economic impact assessme  
 2. environmental impact assessme  
 3. social impact assessme  
 4. both economic and environmental impact assessme

**Q.15** Material classification technique based on the Annual Usage Value is \_\_\_\_\_.

Ans  1. ABC classification  
 2. XYZ classificati  
 3. VED classificati  
 4. H classification

**Q.16** The terminology used for indicating the number of sleepers per rail length is known as \_\_\_\_\_.

Ans  1. spacing of sleepers  
 2. sleeper densi  
 3. composite sleeper ind  
 4. gauge densi

**Q.17** Which of the following is NOT the advantage of coning of wheels of a train?

Ans  1. Reduce the wear and tear of the wheel flanges and rails  
 2. Provide a possibility of lateral movement of the axle with its wheels  
 3. Avoid requirement of super elevation on curves  
 4. Prevent the wheels from slippin

**Q.18** As per Air Quality Act, 2004, a substance which when used as a fuel in a combustion process, results in atmospheric emissions that presents a threat to health or the environment is called \_\_\_\_\_.

Ans  1. controlled fu  
 2. contaminated fu  
 3. air polluta  
 4. prohibited fu

**Q.19** If water is to be lifted by pumps, then what is the method of irrigation called?

Ans  1. Tank irrigati  
 2. Lift irrigati  
 3. Direct irrigati  
 4. Inundation irrigati

**Q.20** Gradient standard of hill roads is specially considered during finalisation of highway alignment due to which of the following reasons?

I. Minimising steep gradients  
II. Controlling rise and fall  
III. Attaining ruling gradient  
IV. Increasing speed at curves

Ans  1. (i), (iii), (i  
 2. (i - (iii)  
 3. (ii - (iii)  
 4. (i - (ii), (iii)

**Q.21** What is the purpose of 'abstracting quantities' in the process of rate analysis?

Ans  1. To compute the contractor's profit

2. To determine the labour wages

3. To calculate the cost of materials only

4. To group various items of work and summarise quantities for bill preparation

**Q.22** Which method of depreciation calculation involves saving an amount yearly to cover the future replacement cost?

Ans  1. Reducing balance method

2. Present value method

3. Straight line method

4. Sinking fund method

**Q.23** In hilly areas, sloped roofs are provided to the structure, \_\_\_\_\_.

Ans  1. for complex design construction

2. to prevent snow load as well as rain load

3. to increase utility space

4. for better strength

**Q.24** The tall walls mostly used for warehouses or sport centres are called:

Ans  1. cavity walls

2. veneered walls

3. partition walls

4. masonry diaphragm walls

**Q.25** Imaginary lines joining the points of equal \_\_\_\_\_ are called as Isohytes.

Ans  1. Temperature

2. Altitude

3. rainfall

4. Pressure

**Q.26** What is the main purpose of having intake pipes fixed at different levels in reservoir intake structures?

Ans  1. To prevent silt from entering the system

2. To draw water near the surface in all variations of water levels

3. To control the water flow

4. To avoid the intake of debris

**Q.27** Which sanitary fitting is responsible for preventing sewer gases from entering a building through a water closet?

Ans  1. Rainwater pipe

2. Gully trap

3. P-trap

4. Grease trap

**Q.28** In a certain project, the excavation of earth for foundation during monsoon most likely takes 5 weeks and if it does not rain, the earliest it can be completed is 3 weeks, but in any case, the excavation must complete in 13 weeks. The expected duration of the excavation is \_\_\_\_\_.

Ans  1. 5 weeks

2. 10 weeks

3. 11 weeks

4. 6 weeks

**Q.29** Following statement holds good for the usage of Three-Time Estimate method of activity duration assessment in the construction project.

Ans  1. time is the main criteria and resources are secondary  
 2. resources are the main criteria and time is secondary  
 3. time and resources are the main criterion  
 4. type of project is the main criteria

**Q.30** The process of application of bitumen/emulsion on a previously prepared base followed by the application of a coat of cover material of appropriate size and grading and well rolled is known as \_\_\_\_\_.

Ans  1. surface dressing  
 2. prime coat  
 3. base course  
 4. premix carpet

**Q.31** Salvage value refers to the \_\_\_\_\_ of an asset once all depreciation has been completely accounted for.

Ans  1. depreciation  
 2. purchase value  
 3. scrap value  
 4. book value

**Q.32** What controls the appearance of arrowheads, text style, and tolerances in dimensions?

Ans  1. Dimension style  
 2. Object properties  
 3. Hatch pattern  
 4. Layer properties

**Q.33** Which of the following forces is NOT considered for the design of railways track over a horizontal curve? Consider that the track surface is level along its length.

Ans  1. Both centrifugal force and force due to gravity  
 2. Centrifugal force only  
 3. Wind force only  
 4. Force due to gravity only

**Q.34** As per the National Environment Management: Air Quality Act [No. 39 of 2004], ambient concentrations of total suspended solids should NOT exceed \_\_\_\_\_.

Ans  1. an annual average of 150 micrograms per m<sup>3</sup>  
 2. an annual average of 300 micrograms per m<sup>3</sup>  
 3. an annual average of 200 micrograms per m<sup>3</sup>  
 4. an annual average of 100 micrograms per m<sup>3</sup>

**Q.35** What type of flow occurs inside the barrels of a siphon aqueduct?

Ans  1. Atmospheric pressure flow  
 2. Free flow  
 3. Pressure flow  
 4. Laminar flow

**Q.36** What is the role of an Arbitrator in the arbitration process?

Ans  1. To provide a binding resolution like a judge  
 2. To mediate between both parties for a mutual agreement  
 3. To provide legal advice to both parties  
 4. To act as an advocate for one party

**Q.37** What is the minimum height of earth filling above the adjacent road level that should be used during construction of houses?

Ans  1. 45 cm  
 2. 150 cm  
 3. 10 cm  
 4. 90 cm

**Q.38** Which of the following features allows AutoCAD users to snap to different points during drafting?

Ans  1. ORTHO  
 2. LWT  
 3. DYN  
 4. OSNAP

**Q.39** When comparing isometric views and orthographic projections, which of the following is a key difference?

Ans  1. Isometric views show only the front and top views, while orthographic projections show all views.  
 2. Isometric views require fewer lines to be drawn than orthographic projections.  
 3. Isometric views distort angles but maintain proportionality, while orthographic projections preserve true angles and dimensions.  
 4. Isometric views are always scaled to full size, while orthographic projections are reduced.

**Q.40** What is the primary function of fish plates in rail fastening?

Ans  1. To provide elasticity to the track  
 2. To prevent lateral movement of the rails  
 3. To join the rail to the sleepers  
 4. To join two rails together in both horizontal and vertical planes

