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MPSC TPA

Previous Year Paper
31 Jan, 2024 Shift 3



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

Test Date	31/12/2024
Test Time	5:00 PM - 7:00 PM
Subject	Planning Assistant

Section : Marathi

Q.1 खालील अलंकारिक शब्दासाठी दिलेल्या पर्यायातून योग्य शब्द निवडा.
'मरख'.

Ans 1. मासा
 2. यश
 3. मनातील इच्छा
 4. यादवी

Q.2 खालीलपैकी रीति भूतकाळाचे वाक्य कोणते?

Ans 1. तो राज मंदिरात जात होता.
 2. तो रोज मंदिरात जातो.
 3. तो रोज मंदिरात जाणार.
 4. तो रोज मंदिरात जात असतो.

Q.3 जो हुशार मुलगा आहे, तो परीक्षेत पहिला आला. (अधोरेखित शब्दाची जात ओळखा.)

Ans 1. आत्मवाचक सर्वनाम
 2. दर्शक सर्वनाम
 3. संबंधी सर्वनाम
 4. पुरुषवाचक सर्वनाम

Q.4 दिलेल्या शब्दांमधून, अचूक शुद्ध शब्द ओळखा.

Ans 1. निष्क्रिय
 2. नीशकांचन
 3. निषंकंचन
 4. निष्कांचन

Q.5 मी घरी येईपर्यंत आईचा जीव टांगणीला लागला होता. अधोरेखित वाक्यप्रचाराचा योग्य अर्थ शोधा.

Ans 1. विंताग्रस्त होणे.
 2. दिलासा मिळणे.
 3. वैतागून जाणे.
 4. दयेने कळवळणे.

Q.6 'सारवा भिंती, म्हणे कोनाडे किती' वाक्यप्रचाराचा अर्थ सांगा.

Ans 1. कामाव्यतिरिक्त इतर चौकशी करणे.
 2. मर्यादित क्रुवत असणे.
 3. म्हातारपण आले की बुद्धी चळते.
 4. गोड बोलून गळा कापणे.

Q.7 मराठी वर्णमालेत एकूण किती स्वरादी आहेत?

Ans 1. 1
 2. 34
 3. 2
 4. 12

Q.8 'व्याकरण' म्हणजे.....

Ans 1. वर्णविचार
 2. नियमांची जंत्री
 3. भाषेला सरळ करणारे
 4. भाषेचे स्पष्टीकरण करणारे शास्त्र

Q.9 पावसाळ्यात पठारावर रानफुले उमलतात. या वाक्यातले उद्देश कोणते?

Ans 1. पावसाळा
 2. पठारावर
 3. उमलतात
 4. रानफुले

Q.10 कडाक्याची थंडी पडली. या वाक्यातील उद्देश विस्तार ओळखा.

Ans 1. थंडी पडली.
 2. कडाक्याची
 3. थंडी
 4. पडली

Q.11 समोरचा वाणी धान्यात भेसळ करतो. या वाक्यातील उद्देश ओळखा.

Ans 1. भेसळ
 2. वाणी
 3. धान्य
 4. समोरचा

Q.12 खाली दिलेली म्हण पूर्ण करा.

सरळ्याची धाव _____.

Ans 1. कुंपणापर्यंत
 2. घरापर्यंत
 3. दारापर्यंत
 4. झाडापर्यंत

Section : Marathi

Comprehension:

खालील उतारा वाचून विचारलेल्या प्रश्नांची उत्तरे लिहा.

शेती करताना जयवंतला अनेक अडचणी आल्या पण त्याचा बाऊ त्याने कधीच केला नाही, कारण अडचणी सगळीकडे येतात असं तो म्हणतो. शेतमजूर आणि चांगलं बियाणं मिळणं, अवकाळी पडणारा पाऊस, बदलणारं हवामान अशा अनेक अडचणींना जयवंतने खंबीरपणे तोंड दिलं आहे. यामुळे शेती हे क्षेत्र अनिश्चित नाही वाटत का? या प्रश्नावर जयवंत म्हणतो अनिश्चितता ही सर्वच क्षेत्रात आहे. शेतीत दर आठवड्याला नवीन समस्या उभी राहते पण मी माझ्या कुवटीनुसार त्याच्यावर तोडगा काढतो. शेतात काम करण्यासाठी मजूर मिळणे ही तर सगळ्यात मोठी समस्या! ही समस्या जयवंतने अगदी सहजतेने सोडवली. वाडेगळ्याण इथे जयवंत नवीन असल्याने सुरुवातीला शेतमजूर त्याच्याकडे काम करायला येत नव्हते; पण जयवंतला ज्या काही शेतमजूर महिला मिळाल्या त्यांना भेट वस्तू देण्याची त्याने शक्कल लढवली. आठवड्याच्या शेवटी सगळ्यांच्या नावाच्या चिठ्याकडे काय देणार? इतर शेतकऱ्यांप्रमाणे अवकाळी पावसामुळे होणारं नुकसानही जयवंतने अनुभवलं आहे. एकदा तर शेतात झेंडू काढणी झाली होती. झेंडू काढून तो उघड्यावरच ठेवला होता. दुसऱ्या शेतातला झेंडू काढण्याचं काम सुरू होतं. दोन शेतातलं अंतर साधारण एक किलोमीटर. दुसऱ्या शेतातलं झेंडू काढण्याचं काम सुरू असताना पाऊस सुरू झाला.

SubQuestion No : 1

Q.1 शेतीत नवीन समस्या केव्हा निर्माण होते ?

Ans

- 1. दर दोन दिवसांनी
- 2. प्रत्येक दिवशी
- 3. दर आठवड्यात
- 4. दर महिन्याला

Comprehension:

खालील उतारा वाचून विचारलेल्या प्रश्नांची उत्तरे लिहा.

शेती करताना जयवंतला अनेक अडचणी आल्या पण त्याचा बाऊ त्याने कधीच केला नाही, कारण अडचणी सगळीकडे येतात असं तो म्हणतो. शेतमजूर आणि चांगलं बियाणं मिळणं, अवकाळी पडणारा पाऊस, बदलणारं हवामान अशा अनेक अडचणींना जयवंतने खंबीरपणे तोंड दिलं आहे. यामुळे शेती हे क्षेत्र अनिश्चित नाही वाटत का? या प्रश्नावर जयवंत म्हणतो अनिश्चितता ही सर्वच क्षेत्रात आहे. शेतीत दर आठवड्याला नवीन समस्या उभी राहते पण मी माझ्या कुवटीनुसार त्याच्यावर तोडगा काढतो. शेतात काम करण्यासाठी मजूर मिळणे ही तर सगळ्यात मोठी समस्या! ही समस्या जयवंतने अगदी सहजतेने सोडवली. वाडेगळ्याण इथे जयवंत नवीन असल्याने सुरुवातीला शेतमजूर त्याच्याकडे काम करायला येत नव्हते; पण जयवंतला ज्या काही शेतमजूर महिला मिळाल्या त्यांना भेट वस्तू देण्याची त्याने शक्कल लढवली. आठवड्याच्या शेवटी सगळ्यांच्या नावाच्या चिठ्याकडे काय देणार? इतर शेतकऱ्यांप्रमाणे अवकाळी पावसामुळे होणारं नुकसानही जयवंतने अनुभवलं आहे. एकदा तर शेतात झेंडू काढणी झाली होती. झेंडू काढून तो उघड्यावरच ठेवला होता. दुसऱ्या शेतातला झेंडू काढण्याचं काम सुरू होतं. दोन शेतातलं अंतर साधारण एक किलोमीटर. दुसऱ्या शेतातलं झेंडू काढण्याचं काम सुरू असताना पाऊस सुरू झाला.

SubQuestion No : 2

Q.2 उताऱ्यात आलेल्या "अवकाळी पाऊस पडणे" याचा योग्य अर्थ ओळखा.

Ans

- 1. पावसाव्याचा काळ सोडून पडणारा पाऊस.
- 2. मुसळधार पाऊस.
- 3. दररोज पडणारा पाऊस.
- 4. पावसाव्यात पडणारा पाऊस.

Comprehension:

खालील उतारा वाचून विचारलेल्या प्रश्नांची उत्तरे लिहा.

शेती करताना जयवंतला अनेक अडचणी आल्या पण त्याचा बाऊ त्याने कधीच केला नाही, कारण अडचणी सगळीकडे येतात असं तो म्हणतो. शेतमजूर आणि चांगलं बियाणं मिळणं, अवकाळी पडणारा पाऊस, बदलणारं हवामान अशा अनेक अडचणींना जयवंतने खंबीरपणे तोंड दिलं आहे. यामुळे शेती हे क्षेत्र अनिश्चित नाही वाटत का? या प्रश्नावर जयवंत म्हणतो अनिश्चितता ही सर्वच क्षेत्रात आहे. शेतीत दर आठवड्याला नवीन समस्या उभी राहते पण मी माझ्या कुवटीनुसार त्याच्यावर तोडगा काढतो. शेतात काम करण्यासाठी मजूर मिळणे ही तर सगळ्यात मोठी समस्या! ही समस्या जयवंतने अगदी सहजतेने सोडवली. वाडेगळ्याण इथे जयवंत नवीन असल्याने सुरुवातीला शेतमजूर त्याच्याकडे काम करायला येत नव्हते; पण जयवंतला ज्या काही शेतमजूर महिला मिळाल्या त्यांना भेट वस्तू देण्याची त्याने शक्कल लढवली. आठवड्याच्या शेवटी सगळ्यांच्या नावाच्या चिठ्याकडे काय देणार? इतर शेतकऱ्यांप्रमाणे अवकाळी पावसामुळे होणारं नुकसानही जयवंतने अनुभवलं आहे. एकदा तर शेतात झेंडू काढणी झाली होती. झेंडू काढून तो उघड्यावरच ठेवला होता. दुसऱ्या शेतातला झेंडू काढण्याचं काम सुरू होतं. दोन शेतातलं अंतर साधारण एक किलोमीटर. दुसऱ्या शेतातलं झेंडू काढण्याचं काम सुरू असताना पाऊस सुरू झाला.

SubQuestion No : 3

Q.3 शेतमजूर महिला मिळवण्यासाठी जयवंतने कोणती शक्कल लढवली ?

Ans

- 1. प्रवासासाठी वाहन व्यवस्था करणे.
- 2. भेटवस्तू देणे
- 3. भरपूर पैसे देणे.
- 4. घर बांधून देणे.

Q.1 Select the most appropriate option to fill in the blank.

They meet at their _____ spot for lunch every day.

Ans

- 1. casual
- 2. standard
- 3. atypical
- 4. usual

Q.2 Select the most appropriate article to fill in the blank. If no article is required, select 'No article required'.

The students were able to solve the problem on time as they had read _____ theory of relativity.

Ans

- 1. the
- 2. a
- 3. No article required
- 4. an

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

I found ____ book I was looking for on ____ library shelf.

Ans

- 1. a; the
- 2. the; the
- 3. an; the
- 4. the; an

Q.4 Select the most appropriate synonym of the given word.

Quick

Ans

- 1. Slow
- 2. Heavy
- 3. Swift
- 4. Late

Q.5 Select the most appropriate idiom that can substitute the highlighted word segment in the given sentence.

He is so prudent that he cannot be compared with his father.

Ans

- 1. is gall and wormwood to
- 2. is falling foul of
- 3. stood his ground
- 4. is not fit to hold candle to

Q.6 Select the most appropriate synonym of the given word.

Burlesque

Ans

- 1. Prototype
- 2. Parody
- 3. Juggernaut
- 4. Novelty

Q.7 Select the option that can be used as a one-word substitute for the given group of words/phrase.
A person with a strong and habitual liking for something.

Ans

- 1. Maniac
- 2. Aficionado
- 3. Commando
- 4. Dextrous

Q.8 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- i. The goal is to bring inner peace through yoga as a lifestyle.
- ii. Ashtanga yoga is a disciplined form of vinyasa yoga that emphasises a specific sequence of postures and integrating the principles of the eight limbs of yoga into your life.
- iii. Ashtanga yoga consists of six levels of seated and standing poses, or asanas, that increase in difficulty.
- iv. Each practice starts and ends with five cycles of sun salutations.
- v. Ashtanga yoga uses a three-pronged approach called the Tristhana Method, which teaches how to focus attention using a combination of breath, postures and a single point of focus called the Drishti.

Ans

- 1. DACBE
- 2. EBADC
- 3. ABCDE
- 4. BAECD

Q.9 Select the correct spelling of the underlined incorrectly spelt word in the given sentence.

The celebrity arrived at the gala in an ostantatious gown adorned with sequins and feathers, drawing everyone's attention as she walked down the red carpet.

Ans

- 1. Ostentitious
- 2. Ostentatious
- 3. Ostantitious
- 4. Ostantetious

Q.10 Select the most appropriate option to fill in the blank.
Nikhil is the _____ designer in comparison to everyone else in the team.

Ans

- 1. less creative
- 2. creativeist
- 3. more creative
- 4. least creative

Section : English

Comprehension:

Read the given passage and answer the questions that follow.

One of the unresolved issues in neglect concerns the two different explanations commonly used to account for the phenomenon. These accounts can be summarised as follows: neglect results from damage to the attentional orienting system; alternatively, neglect is also attributed to the failure to construct a complete mental representation of contralateral space. The attentional theories of neglect suggest that patients fail to shift their attention to the left side of space and also have a tendency to automatically shift their attention to the right side of space. This reluctance to shift attention to the left, coupled with a strong tendency to orient attention to the right, results in the patient being unaware of left-sided stimuli. The representational view has received strong support from Italian workers who have demonstrated that neglect can occur for the left side of a mental image. Bisiach et al., (1979) demonstrated that neglect patients failed to report the left-sided differences of pairs of cloud-like patterns, when viewed behind a narrow central slot. This presentation enabled the patients to view all of the pattern in central vision, but patients still failed to notice differences in the left sides of these patterns, which appears to provide strong support for the representational hypothesis.

SubQuestion No : 1

Q.1 Identify the most suitable title for the passage.

Ans 1. The Phenomenon of Attentional Deficit in Neglect

2. The Neurological Basis and Representational Failure in Neglect

3. Attentional and Representational Circuits Compensating for Neglect

4. The Dual Nature of Neglect: Attentional and Representational Perspectives

Comprehension:

Read the given passage and answer the questions that follow.

One of the unresolved issues in neglect concerns the two different explanations commonly used to account for the phenomenon. These accounts can be summarised as follows: neglect results from damage to the attentional orienting system; alternatively, neglect is also attributed to the failure to construct a complete mental representation of contralateral space. The attentional theories of neglect suggest that patients fail to shift their attention to the left side of space and also have a tendency to automatically shift their attention to the right side of space. This reluctance to shift attention to the left, coupled with a strong tendency to orient attention to the right, results in the patient being unaware of left-sided stimuli. The representational view has received strong support from Italian workers who have demonstrated that neglect can occur for the left side of a mental image. Bisiach et al., (1979) demonstrated that neglect patients failed to report the left-sided differences of pairs of cloud-like patterns, when viewed behind a narrow central slot. This presentation enabled the patients to view all of the pattern in central vision, but patients still failed to notice differences in the left sides of these patterns, which appears to provide strong support for the representational hypothesis.

SubQuestion No : 2

Q.2 Which of the following facts is supported by the passage?

Ans 1. Neglect results solely from damage to the attentional orienting system.

2. Patients with neglect have a tendency to automatically shift their attention to the left side of space.

3. Neglect can occur for the left side of a mental image, even when the entire image is visible.

4. The representational view of neglect is entirely unsupported by empirical evidence.

Comprehension:

Read the given passage and answer the questions that follow.

One of the unresolved issues in neglect concerns the two different explanations commonly used to account for the phenomenon. These accounts can be summarised as follows: neglect results from damage to the attentional orienting system; alternatively, neglect is also attributed to the failure to construct a complete mental representation of contralateral space. The attentional theories of neglect suggest that patients fail to shift their attention to the left side of space and also have a tendency to automatically shift their attention to the right side of space. This reluctance to shift attention to the left, coupled with a strong tendency to orient attention to the right, results in the patient being unaware of left-sided stimuli. The representational view has received strong support from Italian workers who have demonstrated that neglect can occur for the left side of a mental image. Bisiach et al., (1979) demonstrated that neglect patients failed to report the left-sided differences of pairs of cloud-like patterns, when viewed behind a narrow central slot. This presentation enabled the patients to view all of the pattern in central vision, but patients still failed to notice differences in the left sides of these patterns, which appears to provide strong support for the representational hypothesis.

SubQuestion No : 3

Q.3 Which of the following can be inferred from the passage?

Ans 1. Attentional factors may primarily influence the early stages of neglect, while representational factors may become more prominent as the condition progresses.

2. The attentional and representational theories of neglect are mutually exclusive and cannot both be correct.

3. Neglect is solely caused by damage to specific brain regions, with no role for cognitive factors.

4. The interplay between attentional and representational factors in neglect may vary across individuals and depend on the specific neurological damage involved.

Comprehension:

Read the given passage and answer the questions that follow.

One of the unresolved issues in neglect concerns the two different explanations commonly used to account for the phenomenon. These accounts can be summarised as follows: neglect results from damage to the attentional orienting system; alternatively, neglect is also attributed to the failure to construct a complete mental representation of contralateral space. The attentional theories of neglect suggest that patients fail to shift their attention to the left side of space and also have a tendency to automatically shift their attention to the right side of space. This reluctance to shift attention to the left, coupled with a strong tendency to orient attention to the right, results in the patient being unaware of left-sided stimuli. The representational view has received strong support from Italian workers who have demonstrated that neglect can occur for the left side of a mental image. Bisiach et al., (1979) demonstrated that neglect patients failed to report the left-sided differences of pairs of cloud-like patterns, when viewed behind a narrow central slot. This presentation enabled the patients to view all of the pattern in central vision, but patients still failed to notice differences in the left sides of these patterns, which appears to provide strong support for the representational hypothesis.

SubQuestion No : 4

Q.4 Identify the most appropriate ANTONYM of the word 'reluctance' used the passage.

Ans

- 1. Monotony
- 2. Insanity
- 3. Elegance
- 4. Eagerness

Comprehension:

Read the given passage and answer the questions that follow.

One of the unresolved issues in neglect concerns the two different explanations commonly used to account for the phenomenon. These accounts can be summarised as follows: neglect results from damage to the attentional orienting system; alternatively, neglect is also attributed to the failure to construct a complete mental representation of contralateral space. The attentional theories of neglect suggest that patients fail to shift their attention to the left side of space and also have a tendency to automatically shift their attention to the right side of space. This reluctance to shift attention to the left, coupled with a strong tendency to orient attention to the right, results in the patient being unaware of left-sided stimuli. The representational view has received strong support from Italian workers who have demonstrated that neglect can occur for the left side of a mental image. Bisiach et al., (1979) demonstrated that neglect patients failed to report the left-sided differences of pairs of cloud-like patterns, when viewed behind a narrow central slot. This presentation enabled the patients to view all of the pattern in central vision, but patients still failed to notice differences in the left sides of these patterns, which appears to provide strong support for the representational hypothesis.

SubQuestion No : 5

Q.5 What is the tone of the passage?

Ans

- 1. Critical and judgmental
- 2. Persuasive and argumentative
- 3. Objective and informative
- 4. Speculative and uncertain

Section : General Knowledge

Q.1 Which of the following rivers originates from Trimbakeshwar in the Nashik district of Maharashtra?

Ans

- 1. Godavari
- 2. Indravati
- 3. Narmada
- 4. Wardha

Q.2 Who among the following is regarded as the 'Father of the Armed Struggle for India's Freedom'?

Ans

- 1. Vasudeo Balwant Phadke
- 2. Gopal Hari Karve
- 3. Ganesh Dedhar
- 4. Vishnu Gadre

Q.3 How many Schedules were initially introduced in the Indian Constitution that came into effect on 26 January 26 1950?

Ans 1. 10

2. 15

3. 11

4. 8

Q.4 What is the name of the river that originates in the Seoni district of Madhya Pradesh, flows east and then south for a length of about 274 km and for a further distance of about 334 km in Maharashtra before its tributary Wardha joins it, after which it is known as Pranhita river?

Ans 1. Tapi

2. Wainganga

3. Purna

4. Krishna

Q.5 Which of the following states secured the first rank in the State Energy Efficiency Index (SEEI) 2023 of the Bureau of Energy Efficiency in collaboration with the Alliance for an Energy Efficient Economy (AEEE)?

Ans 1. Kerala

2. Punjab

3. Haryana

4. Karnataka

Q.6 Which Union Ministry officially declared the Peralassery Subrahmanya Pond as a 'water heritage site' in 2023?

Ans 1. Ministry of Tourism

2. Ministry of Jal Shakti

3. Ministry of Environment

4. Ministry of Culture

Q.7 Which of the following union ministries supported India's first CO2-to-Methanol project Pilot Plant Project?

Ans 1. Ministry of Renewable Energy

2. Ministry of Science and Technology

3. Ministry of Chemicals and Fertilizers

4. Ministry of Environment, Forest and Climate Change

Q.8 Which of the following is NOT a feature of Regur soil, a type of soil found in Maharashtra?

Ans 1. It does not retain moisture for a long time.

2. It is also known as black soil.

3. It is generally impermeable.

4. It swells and becomes sticky when wet and shrinks when dried

Q.9 In April 2024, which pioneering Indian woman achieved a historic milestone by being named the first recipient of the John Dirks Award, honouring her impactful work in global health?

Ans 1. Dr. Gagandeep Kang

2. Dr. Renu Khator

3. Dr. Indira Hinduja

4. Dr. Soumya Swaminathan

Q.10 Which Union Minister of State introduced the 'One Week One Theme' (OWOT) campaign in 2024?

Ans 1. Piyush Goyal

2. Dharmendra Pradhan

3. Dr. Jitendra Singh

4. Amit Shah

Q.11 Which dance forms were showcased in Air India's inflight safety video released in 2024?

Ans 1. Only Kathak

2. Various classical and folk dance forms

3. Only Bharatanatyam

4. Only Western dance styles

Q.12 Which of the following is a constitutionally recognised method for acquiring citizenship under the Constitution of India?

Ans 1. Visiting India for medical emergency

2. Winning a civilian award

3. Citizenship by birth

4. Employment in an Indian Multinational Corporation

Q.13 Under which Article of the Constitution of India can the President take over the administration of a state in case its constitutional machinery breaks down?

Ans 1. Article 83

2. Article 370

3. Article 356

4. Article 350

Q.14 In the Conference of the Parties (COP 21) to the United Nations Framework Convention on Climate Change (UNFCCC) held in Paris, India pledged that by 2030, India will reduce the emissions intensity of its economies by what percentage from 2005 levels?

Ans 1. 33-35%

2. 31-37%

3. 24-29%

4. 23-25%

Q.15 In which of the following years, Vasudeo Balvant Phadke established the first school of national education in Pune known as Poona Native Institution (now known as Maharashtra Education Society)?

Ans 1. 1870

2. 1867

3. 1874

4. 1878

Section : Intelligence Test

Q.1 In a survey conducted by a company among 4500 dentists regarding its toothpaste, it is claimed that 7 out of 9 dentists do not prefer that brand. In the survey, how many of them did NOT prefer the brand?

Ans 1. 3500

2. 1000

3. 350

4. 2800

Q.2 What should come in place of the question mark '?' in the given series?
789 790 794 803 819 ?

Ans 1. 841
 2. 844
 3. 840
 4. 842

Q.3 There are 24 members in group A, 14 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 ₹208, ₹194 and ₹334, respectively. The average amount (in ₹) spent per member is:

Ans 1. 275
 2. 278
 3. 274
 4. 281

Q.4 TRAF is related to DCKQ in a certain way based on the English alphabetical order. In the same way, HJOX is related to RUYI. To which of the given options is LQSE related, following the same logic?

Ans 1. CPOI
 2. CPIO
 3. VBPC
 4. VBCP

Q.5 Refer to the following letter and symbol series and answer the question that follows. Counting to be done from left to right only.

(Left) C \$ @ A G @ \$ M T @ H % E A & F * D U Ω P H ¥ N % R K # C (Right)

How many such vowels are there each of which is immediately preceded by a symbol and also immediately followed by a letter?

Ans 1. 1
 2. 2
 3. 4
 4. 3

Q.6 The expenditure of Sudha is 150% more than her savings. If her expenditure decreases by 11% and savings increase by 38%, then by what percent does her income increase?

Ans 1. 7%
 2. 8%
 3. 4%
 4. 3%

Q.7 XY starts from Point A and drives 19 km towards the east. He then takes a left turn, drives 25 km, turns left and drives 31 km. He then takes a left turn and drives 39 km. He takes a final left turn, drives 12 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° turns only, unless specified)

Ans 1. 13 km, to the north
 2. 11 km, to the east
 3. 12 km, to the east
 4. 14 km, to the north

Q.8 The population of a town increased by 5% in the first year and decreased by 4% in the second year. If the population at the end of the second year is 10,08,000, what was the population at the beginning of the first year?

Ans 1. 14,50,000
 2. 10,00,000
 3. 12,00,000
 4. 15,20,000

Q.9 Find the smallest number to be added to 145693 to be divisible by 7.

Ans 1. 6
 2. 7
 3. 8
 4. 5

Q.10 Zakir travels from City A to City B. If Zakir drives his car at $\frac{2}{5}$ of his normal speed, then he reaches City B, 39 minutes late.

Find the time (in minutes) that Zakir would have taken to travel from City A to City B if he drove at his normal speed.

Ans 1. 26
 2. 34
 3. 36
 4. 32

Q.11 A can do a piece of work in 72 hours; B and C together can do it in 21 hours, while A and C together can do it in 18 hours. How long (in hours) will B alone take to do it?

Ans 1. 170
 2. 167
 3. 169
 4. 168

Q.12 A man deposits ₹4655 at 8% rate of simple interest per annum. The total amount (in ₹) he will get at the end of 15 years is:

Ans 1. 10517
 2. 9292
 3. 10241
 4. 9736

Q.13 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:
Access to building P is restricted for general public.

Assumptions:

I. Building P is a private property.
II. Building P is a cinema hall.

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

Q.14 If '+' means '÷', '-' means '×', '×' means '−' and '÷' means '+', then what will come in place of the question mark (?) in the following equation?
 $87 \times 13 \div 12 - 6 \times 16 + 2 \div 7 = ?$

Ans 1. 145
 2. 150
 3. 141
 4. 137

Q.15 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 oranges are lamps. All ants are lamps. All monks are lamps.

Conclusions (I): Some monks are oranges.
Conclusions (II): Some ants are monks.

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

Section : Technical

Q.1 What happens to the RF if the size of the drawing is increased while the actual size of the object remains constant?

Ans 1. RF becomes zero
 2. RF decreases
 3. RF remains the same
 4. RF increases

Q.2 The completion time of a project with the following activity predecessor relation is _____.

ACTIVITY	PREDECESSOR	DURATION (Days)
A	-	2
B	A	5
C	A, B	6
D	B, C, E	3
E	B	4

Ans 1. 14 days
 2. 15 days
 3. 17 days
 4. 16 days

Q.3 Which air pollutant is known to cause respiratory problems such as asthma and reduce visibility?

Ans 1. Hydrocarbons (HC)
 2. Sulfur Dioxide (SO₂)
 3. Ozone (O₃)
 4. Particulate Matter (TSP)

Q.4 Why are isometric projections preferred over natural scale drawings for certain engineering applications?

Ans

- 1. Isometric projections eliminate the need for multiple orthogonal view
- 2. Isometric projections display objects in their natural form without reduction
- 3. Isometric projections simplify complex curves and ellipses
- 4. Isometric projections allow all three dimensions to be represented equally .

Q.5 What happens if a train travels at a speed higher than the equilibrium speed on a curve with superelevation?

Ans

- 1. The outer rail wears out faster
- 2. No effect on the train
- 3. Cant deficiency occurs
- 4. Cant excess occurs

Q.6 Why is it important to plan the location of temporary facilities, like site offices and restrooms, in a construction site layout?

Ans

- 1. To fulfill legal requirements for worker comfort
- 2. To provide easy access for site visitors
- 3. To minimize movement for workers and improve productivity
- 4. To ensure site safety and prevent congestion

Q.7 In road design, if the gradient is uphill, how does it affect the Stopping Sight Distance (SSD)?

Ans

- 1. The SSD increases due to slower speeds.
- 2. The SSD decreases due to slower speeds.
- 3. The SSD remains unaffected by gradients.
- 4. The SSD increases significantly.

Q.8 Which of the following components control the release of water from the flushing cistern to the toilet bowl?

Ans

- 1. Float valve
- 2. Stop valve
- 3. Ballcock valve
- 4. Flush valve

Q.9 Which type of oxidation pond is designed to allow solids to settle and undergo anaerobic digestion at the bottom?

Ans

- 1. Aerated pond
- 2. Facultative pond
- 3. Complete retention pond
- 4. Aerobic pond

Q.10 Select the option which does not belong to the various elements included in the road margin of a pavement.

Ans

- 1. Carriage way
- 2. Footpath
- 3. Shoulder
- 4. Parking area

Q.11 The scrap value of a building is regarded as _____ of the construction cost.

Ans 1. 6%

2. 10%

3. 3%

4. 14%

Q.12 In Project Management, the type of organisation that may sometimes cause dictatorship in the system is _____ organisation.

Ans 1. matrix

2. line and staff

3. line

4. functional

Q.13 Study the following statements on drawing a bar chart and select the correct reason that justifies the statement.

Statement:

Effective control over the activities cannot be achieved in a bar chart.

Reasons:

1: Only major activities can be shown in a bar chart.

2: Details of sub-activities cannot be separated out in a bar chart.

Ans 1. Both reasons 1 and 2 are correct justifications for the statement

2. Neither reasons 1 nor 2 is the correct justification for the statement

3. Only reason 1 is the correct justification for the statement

4. Only reason 2 is the correct justification for the statement

Q.14 Which of the following agencies associated with construction is also called a client?

Ans 1. Contractor

2. Management consultant

3. Architect

4. Business promoter

Q.15 Which type of water distribution system is most suitable when the source is located at a higher elevation than the area to be served?

Ans 1. Gravity system

2. Direct pumping system

3. Continuous flow system

4. Combined system

Q.16 The type of doors in which door shutters are made up of a large number of vertical panels is called:

Ans 1. glazed doors

2. battened doors

3. framed doors

4. panelled doors

Q.17 During maintenance of Water-Bound-Macadam roads for repairing local damages, which of the following process is NOT correct?

Ans 1. Finding and cleaning damaged areas

2. Adding fresh stone material

3. Compaction with plate compactor

4. No levelling of repaired areas

Q.18 Calculate the compensated gradient while aligning a hill road with a ruling gradient of 6 per cent at a horizontal curve with radius 100 m.

Ans 1. 4.00%
 2. 4.7%
 3. 5.25%
 4. 5.75%

Q.19 Which of the following agencies is responsible for granting construction permits to builders and developers?

Ans 1. Insurance Companies
 2. Financial Institutions
 3. Urban Development Authority
 4. Real Estate Agents

Q.20 How are hidden edges typically represented in a freehand orthographic sketch?

Ans 1. Dotted lines
 2. Dashed lines
 3. Continuous thick lines
 4. Continuous thin lines

Q.21 What is the purpose of the fish plate in a rail joint?

Ans 1. To reduce wear and tear of the rail surface
 2. To electrically insulate the rail sections
 3. To secure the rail to the sleeper
 4. To connect two rail sections and maintain alignment

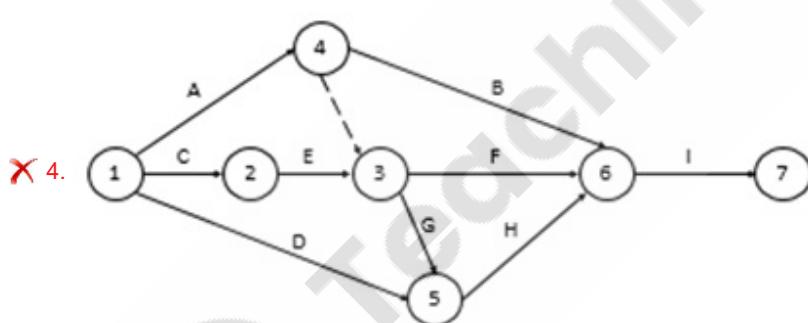
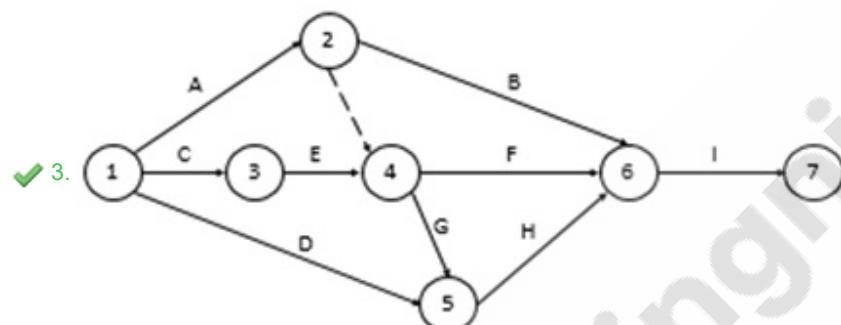
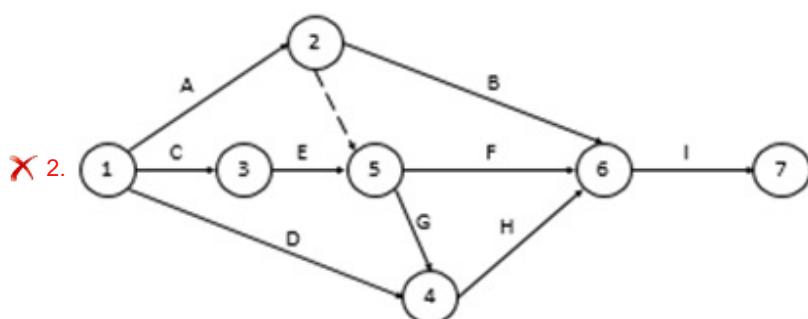
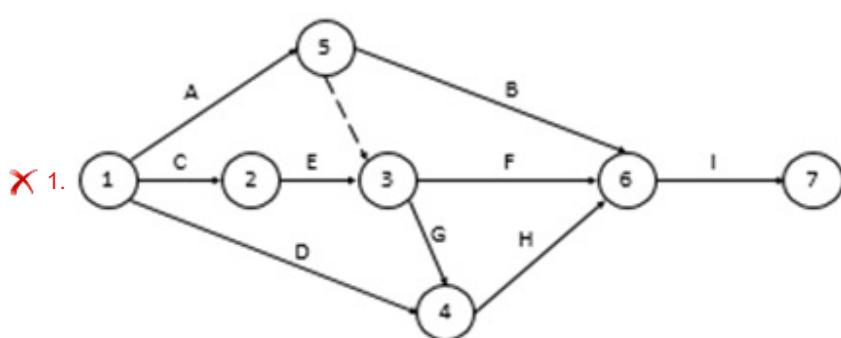
Q.22 In waterlogged area, where the soil is saturated up to the plants roots, the supply of _____ is limited, which affects the process of nitrification.

Ans 1. potassium
 2. oxygen
 3. nitrogen
 4. carbon dioxide



Q.23 Among the following, the network diagram with correct event numbering, as per Fulkerson's rule is _____.

Ans



Q.24 Which of the following waste types is NOT classified as biodegradable waste?

Ans

- X 1.** Food and kitchen waste
- ✓ 2.** Biomedical waste
- X 3.** Garden waste
- X 4.** Sludge from sewage treatment plants

Q.25 Which of the following is NOT a flood control method?

Ans

- ✓ 1.** Percolation tank
- X 2.** Levees
- X 3.** Flood walls
- X 4.** Floodways

Q.26 The component that is responsible for capturing and absorbing solar radiation in a solar water heater is:

Ans 1. insulated tank
 2. solar collector
 3. insulated pipes
 4. PV cell

Q.27 Which type of lining uses bentonite soil and clay membranes to check seepage?

Ans 1. PVC film lining
 2. Geosynthetic clay liner (GCL)
 3. Shotcrete lining
 4. Earth material lining

Q.28 According to CPCB norms, what should be the pH range for treated sewage discharged into public sewers?

Ans 1. 5.5 to 9.0
 2. 4.5 to 7.5
 3. 3.5 to 6.0
 4. 6.5 to 8.5

Q.29 When dimensioning a circle in CAD, what prefix is commonly used to indicate the diameter?

Ans 1. D
 2. Ø
 3. C
 4. R

Q.30 Compute the total charges for four labourers engaged in earthwork excavation, working from 9 a.m. to 6 p.m., with an hourly working charge of ₹50.

Ans 1. ₹1,800
 2. ₹1,350
 3. ₹2,250
 4. ₹1,500

Q.31 What is the function of a 'Template' file in setting up a new drawing?

Ans 1. To print the drawing
 2. To delete existing drawings
 3. To provide a blank drawing space
 4. To store predefined settings like layers, dimension styles, and text styles

Q.32 In the layout planning of a structure, which of the following are included in the process of initial checks?

(i) Enclosing the site
(ii) Water and electricity supply
(iii) Existing service lines

Ans 1. Only (i) and (ii)
 2. Only (i) and (iii)
 3. All of (i), (ii) and (iii)
 4. Only (ii) and (iii)

Q.33 According to the Indian Railway specifications, what is the maximum allowable water absorption of track ballast, when tested as per IS : 2386 (Part 3) - 1963?

Ans 1. 3.0%
 2. 2.5%
 3. 1.0%
 4. 0.5%

Q.34 Which of the following file formats is most commonly associated with CAD drawings for the interchange between different CAD systems?

Ans 1. BMP
 2. DXF
 3. PDF
 4. STL

Q.35 Which AutoCAD component allows users to change the properties of selected objects, such as colour, layer, and line type?

Ans 1. Ribbon
 2. Properties Palette
 3. Command Line
 4. Tool Palette

Q.36 As per IS 1038 : 1983, the size of the window shall NOT be less than _____ of the room floor area.

Ans 1. 70%
 2. 10%
 3. 50%
 4. 30%

Q.37 Consider the following activity predecessor relationship.

ACTIVITY	PREDECESSOR
M	-
N	M
O	M, N
P	O, Q
Q	N

The minimum number of dummy activities required to draw an AOA network diagram is _____.

Ans 1. 2
 2. 3
 3. 4
 4. 1

Q.38 The mechanism that monitors the motion of an elevator to keep it in its controlled limit is called _____.

Ans 1. pit valve
 2. governor
 3. limit indicator
 4. gate lock

Q.39 The table below shows the time-cost relationship of a project.

Duration (Days) →	17	15	14	13
Direct Cost (₹)	15,250	15,500	16,000	17,000
Overheads (₹)	4,900	4,600	4,100	3,200

The optimum duration of the project is _____.

Ans

- 1. 15 days
- 2. 17 days
- 3. 13 days
- 4. 14 days

Q.40 What is the primary purpose of a sinking fund in relation to a building?

Ans

- 1. To pay off mortgage loans
- 2. To increase the market value of the building
- 3. To save money for future repairs or reconstruction
- 4. To cover immediate maintenance expenses

