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MPSC TPA

**Previous Year Paper
01 Jan, 2025 Shift 2**



**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	1:00 PM - 3:00 PM
Subject	Planning Assistant

Section : Marathi

Q.1 'ऋणानुबंध' या शब्दाचा ध्वन्यार्थ _____ असा होतो.

Ans

- 1. गुप्त गोष्टी
- 2. अंगातील गुण
- 3. ईश्वरी सूत्र
- 4. मासिकाचा अंक

Q.2 'गर्वाचे घर खाली' या म्हणीचा अर्थ सांगा.

Ans

- 1. नुकसान होता होता टळणे.
- 2. आपली कुवत नसताना व्यवहार करणे.
- 3. गर्विष्ठ माणसाला अखेर लज्जीत व्हावे लागते.
- 4. गरज असेपर्यंत पुढे पुढे करणे.

Q.3 मॅल मुळे गल्लीबोळातील लहान दुकानदारांच्या उपजीविकेचे साधन हिरावले गेले. (अधोरेखित शब्दांसाठी वाक्प्रचार ओळखा.)

Ans

- 1. पारीपत्य करणे
- 2. प्रतिबंध करणे
- 3. पोटावर पाय येणे
- 4. देणे-घेणे नसणे

Q.4 खालोल म्हणाचा अर्थ सांगा.
'वैद्याची पोरं गालगुंडाने मेली'

Ans

- 1. आपल्या ज्ञानाचा आपल्याला उपयोग नसतो
- 2. दुर्जनाच्या तावडीत सज्जन मनुष्य
- 3. सरळ सरळ हल्ला
- 4. एकाचे दुसऱ्यावर ढकलणे

Q.5 त्याने मला घरी बोलावले, परंतु मी गेलो नाही. या वाक्याचे केवल वाक्यात रूपांतर करा.

Ans

- 1. त्याने मला घरी बोलावले, तरी मी गेलो नाही.
- 2. त्याने मला घरी बोलावूनही मी गेलो नाही.
- 3. त्याने मला घरी बोलावले आणि मी गेलो नाही.
- 4. त्याने मला घरी बोलावले तरीसुद्धा मी गेलो असे नाही.

Q.6 उद्देश विस्तार ओळखा.
माझा मित्र आनंदाने लाडू खातो.

Ans

- 1. लाडू
- 2. मित्र
- 3. आनंदाने
- 4. माझा

Q.7 खालीलपैकी कठोर व्यंजन कोणते ते सांगा?

Ans 1. ज्
 2. ग्
 3. च्
 4. झ्

Q.8 हवा प्रदूषित असल्यामुळे मनुष्याची प्रकृती बिघडते. या वाक्यातील विधेय ओळखा.

Ans 1. मनुष्य
 2. प्रकृती
 3. हवा
 4. बिघडते

Q.9 खालील शब्दाचा समानार्थी शब्द सांगा.
'निखालस'

Ans 1. साठा
 2. सेवक
 3. स्वर्ग
 4. साफ

Q.10 'चक्र' या शब्दातील 'च' हा वर्ण कोणत्या प्रकारचा आहे?

Ans 1. मूर्धन्य
 2. तालव्य
 3. कंठतालव्य
 4. दंततालव्य

Q.11 स्वरांचे प्रकार किती?

Ans 1. तीन (आता चार)
 2. दहा
 3. सात
 4. बारा

Q.12 मोडी लिपी चा उगम कोणाच्या काळात झाला?

Ans 1. चोळ काळात
 2. शिलाहार काळात
 3. यादव काळात
 4. गुप्त वाकाटक काळात

Section : Marathi

Comprehension:

खालील उताऱ्यावरील प्रश्नांची उत्तरे लिहा.

गणेश चतुर्थी नुकतीच होऊन गेली आहे. साठ वर्षापूर्वी याच दिवशी गणपती आले होते आणि तुम्ही गेलात. दिव्यांच स्विच ऑफ व्हावं, तसं काळवंडून आलं. मी तेहा नवव्या इयतेतून दहावीत गेलो होतो. माझं धाकटं भावंड सातवीतून आठवीत पोचलेलं. मोठे भाऊ मुंबईत. योगायोगानं नेमक्या त्याच दिवशी दोघाही मुंबईबाहेर. इथं घरी आई आणि बहीण. त्या काळातल्या रिवाजाप्रमाणे घरातली एकूण एक कामं उरकून आई दुपारी स्वयंपाकघराच्या दारात झोपलेली. चतुर्थीची गणेशपूजा होऊन धाकटा भाऊ वाड्यातल्या मित्रांबरोबर खेळायला गेलेला. महादेवाची पिंड, श्रीविष्णूपासून दुर्गामातेपर्यंत देव-देवतांच्या प्रतिमा असलेल्या देव्हान्यासमोर रोज दीर्घ काळ तुम्ही ध्यानस्थ बसत होतात. त्याच देव्हान्यासमोर आज अस्वस्थ अवस्थेत काही काळ बसलात. डोंके टेकून कळवळून प्रार्थना केलीत, "आई, सोडव आता!" मी जवळच होतो. मला म्हणालात, "बरा आहे मी. तू जा खेळायला." मी गेलो नाही. जेमतेम पाचेक मिनिं झाली असतील. "स्वयंपाकघरातून तिला बोलावून आणतोस?" म्हणून मला सांगितलंत. मी जाऊन आईला जागं केलं. "बाबा बोलावतायत," म्हणालो. कुंकू लावलेली माझी आई हे शेवटचं दश्य मी पाहत होतो. ती चिंताक्रांत चेहऱ्याने तुमच्या उशाशी जाऊन बसली.

SubQuestion No : 1

Q.1 वडील वारले तेहा लेखक कोणत्या वर्गात होते?

Ans

- 1. दहावीत
- 2. बारावीत
- 3. आठवीत
- 4. सातवीत

Comprehension:

खालील उताऱ्यावरील प्रश्नांची उत्तरे लिहा.

गणेश चतुर्थी नुकतीच होऊन गेली आहे. साठ वर्षापूर्वी याच दिवशी गणपती आले होते आणि तुम्ही गेलात. दिव्यांच स्विच ऑफ व्हावं, तसं काळवंडून आलं. मी तेहा नवव्या इयतेतून दहावीत गेलो होतो. माझं धाकटं भावंड सातवीतून आठवीत पोचलेलं. मोठे भाऊ मुंबईत. योगायोगानं नेमक्या त्याच दिवशी दोघाही मुंबईबाहेर. इथं घरी आई आणि बहीण. त्या काळातल्या रिवाजाप्रमाणे घरातली एकूण एक कामं उरकून आई दुपारी स्वयंपाकघराच्या दारात झोपलेली. चतुर्थीची गणेशपूजा होऊन धाकटा भाऊ वाड्यातल्या मित्रांबरोबर खेळायला गेलेला. महादेवाची पिंड, श्रीविष्णूपासून दुर्गामातेपर्यंत देव-देवतांच्या प्रतिमा असलेल्या देव्हान्यासमोर रोज दीर्घ काळ तुम्ही ध्यानस्थ बसत होतात. त्याच देव्हान्यासमोर आज अस्वस्थ अवस्थेत काही काळ बसलात. डोंके टेकून कळवळून प्रार्थना केलीत, "आई, सोडव आता!" मी जवळच होतो. मला म्हणालात, "बरा आहे मी. तू जा खेळायला." मी गेलो नाही. जेमतेम पाचेक मिनिं झाली असतील. "स्वयंपाकघरातून तिला बोलावून आणतोस?" म्हणून मला सांगितलंत. मी जाऊन आईला जागं केलं. "बाबा बोलावतायत," म्हणालो. कुंकू लावलेली माझी आई हे शेवटचं दश्य मी पाहत होतो. ती चिंताक्रांत चेहऱ्याने तुमच्या उशाशी जाऊन बसली.

SubQuestion No : 2

Q.2 बाबा देवाघरी गेले तो दिवस कोणता?

Ans

- 1. नरक चतुर्दशी
- 2. दसरा
- 3. गणेश चतुर्थी
- 4. माघ पोर्णिमा

Comprehension:

खालील उताऱ्यावरील प्रश्नांची उत्तरे लिहा.

गणेश चतुर्थी नुकतीच होऊन गेली आहे. साठ वर्षापूर्वी याच दिवशी गणपती आले होते आणि तुम्ही गेलात. दिव्यांच स्विच ऑफ व्हावं, तसं काळवंडून आलं. मी तेहा नवव्या इयतेतून दहावीत गेलो होतो. माझं धाकटं भावंड सातवीतून आठवीत पोचलेलं. मोठे भाऊ मुंबईत. योगायोगानं नेमक्या त्याच दिवशी दोघाही मुंबईबाहेर. इथं घरी आई आणि बहीण. त्या काळातल्या रिवाजाप्रमाणे घरातली एकूण एक कामं उरकून आई दुपारी स्वयंपाकघराच्या दारात झोपलेली. चतुर्थीची गणेशपूजा होऊन धाकटा भाऊ वाड्यातल्या मित्रांबरोबर खेळायला गेलेला. महादेवाची पिंड, श्रीविष्णूपासून दुर्गामातेपर्यंत देव-देवतांच्या प्रतिमा असलेल्या देव्हान्यासमोर रोज दीर्घ काळ तुम्ही ध्यानस्थ बसत होतात. त्याच देव्हान्यासमोर आज अस्वस्थ अवस्थेत काही काळ बसलात. डोंके टेकून कळवळून प्रार्थना केलीत, "आई, सोडव आता!" मी जवळच होतो. मला म्हणालात, "बरा आहे मी. तू जा खेळायला." मी गेलो नाही. जेमतेम पाचेक मिनिं झाली असतील. "स्वयंपाकघरातून तिला बोलावून आणतोस?" म्हणून मला सांगितलंत. मी जाऊन आईला जागं केलं. "बाबा बोलावतायत," म्हणालो. कुंकू लावलेली माझी आई हे शेवटचं दश्य मी पाहत होतो. ती चिंताक्रांत चेहऱ्याने तुमच्या उशाशी जाऊन बसली.

SubQuestion No : 3

Q.3 उताऱ्यात आलेल्या वाक्याचा प्रकार ओळखा.

'साठ वर्षापूर्वी याच दिवशी गणपती आले होते आणि तुम्ही गेलात'.

Ans

- 1. मिश्र वाक्य
- 2. केवलवाक्य
- 3. संयुक्त वाक्य
- 4. प्रश्नार्थी वाक्य

Section : English

Q.1 Select the most appropriate synonym of the word.
Perplexing

Ans 1. Apparent
 2. Simplistic
 3. Understandable
 4. Baffling

Q.2 Select the most appropriate proverb that can substitute the underlined word segment in the given sentence.

Raman gets to stay out past midnight, so should I; what is acceptable for one person in a particular situation should be acceptable for another person in a similar situation.

Ans 1. familiarity breeds contempt
 2. when in Rome do as the Romans do
 3. what's sauce for the goose is sauce for the gander
 4. a chain is as strong as its weakest links

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

The actress made a _____ appearance on the red carpet.

Ans 1. finicky
 2. fastidious
 3. dazzling
 4. prickly

Q.4 Select the most appropriate option to fill in the blanks.

My friend is learning to play _____ guitar, and he hopes to join _____ band soon.

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

Q.5 Select the option that can be used as a one-word substitute for the given group of words/phrase.

A medicine to nullify the effect of poison.

Ans 1. Apostle
 2. Antipathy
 3. Antidote
 4. Aphasia

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

Bamboozle

Ans 1. Besiege
 2. Perplex
 3. Intrigue
 4. Hystericalise

Q.7 Select the most appropriate article to fill in the blank.

The invention of the wheel was _____ pivotal moment in the development of civilization.

Ans 1. this
 2. the
 3. a
 4. an

Q.8 Select the INCORRECTLY spelt word.

Ans 1. Exculpate

2. Augement

3. Repel

4. Indict

Q.9 Select the most appropriate option to fill in the blank.

The detective was unsettled by the _____ crime scene, where every detail seemed to be a twisted reflection of death and horror.

Ans 1. ethereal

2. effulgent

3. seraphic

4. macabre

Q.10 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

1. It was a short walk from the forest resort to Periyar Lake, which was formed by the construction of Mullaperiyar Dam on the river Periyar.

2. We spotted elephants and their calves, frolicking near the banks, and also saw tigers, wild boars, bison and sambar.

3. It is a vast water body, on the banks of which wild elephants, tigers, bison and other fauna varieties come to drink water.

4. We cruised around the huge lake in a huge motorboat.

5. At Thekkady, we stayed in a forest resort within the Sanctuary.

Ans 1. 25341

2. 25134

3. 51342

4. 51243

Section : English

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Amazon Rainforest, often referred to as the 'lungs of the Earth,' is a vast tropical rainforest in South America. Covering over 2.1 million square miles, it produces 20% of the world's oxygen. This biodiverse ecosystem is home to millions of species of plants, animals and insects, many of which are not found anywhere else on Earth. The rainforest plays a critical role in regulating the global climate and water cycles. In addition to being a key player in carbon sequestration, the Amazon influences weather patterns and rainfall distribution both locally and globally. However, deforestation and human activities pose significant threats to this vital environment. Large-scale logging, agriculture and mining activities are rapidly diminishing forest cover, leading to habitat loss and increased carbon emissions. Efforts to protect and preserve the Amazon are crucial for maintaining global biodiversity and combating climate change. International cooperation, sustainable development practices and conservation initiatives are essential to safeguard this irreplaceable natural resource for future generations.

SubQuestion No : 1

Q.1 How much of the world's oxygen is produced by the Amazon Rainforest?

Ans 1. 25%

2. 20%

3. 15%

4. 10%

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Amazon Rainforest, often referred to as the 'lungs of the Earth,' is a vast tropical rainforest in South America. Covering over 2.1 million square miles, it produces 20% of the world's oxygen. This biodiverse ecosystem is home to millions of species of plants, animals and insects, many of which are not found anywhere else on Earth. The rainforest plays a critical role in regulating the global climate and water cycles. In addition to being a key player in carbon sequestration, the Amazon influences weather patterns and rainfall distribution both locally and globally. However, deforestation and human activities pose significant threats to this vital environment. Large-scale logging, agriculture and mining activities are rapidly diminishing forest cover, leading to habitat loss and increased carbon emissions. Efforts to protect and preserve the Amazon are crucial for maintaining global biodiversity and combating climate change. International cooperation, sustainable development practices and conservation initiatives are essential to safeguard this irreplaceable natural resource for future generations.

SubQuestion No : 2

Q.2 **What global issue is directly connected to the preservation of the Amazon Rainforest?**

Ans

- 1. Technological Advancements
- 2. Space Exploration
- 3. Climate Change
- 4. Urban Sprawl

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Amazon Rainforest, often referred to as the 'lungs of the Earth,' is a vast tropical rainforest in South America. Covering over 2.1 million square miles, it produces 20% of the world's oxygen. This biodiverse ecosystem is home to millions of species of plants, animals and insects, many of which are not found anywhere else on Earth. The rainforest plays a critical role in regulating the global climate and water cycles. In addition to being a key player in carbon sequestration, the Amazon influences weather patterns and rainfall distribution both locally and globally. However, deforestation and human activities pose significant threats to this vital environment. Large-scale logging, agriculture and mining activities are rapidly diminishing forest cover, leading to habitat loss and increased carbon emissions. Efforts to protect and preserve the Amazon are crucial for maintaining global biodiversity and combating climate change. International cooperation, sustainable development practices and conservation initiatives are essential to safeguard this irreplaceable natural resource for future generations.

SubQuestion No : 3

Q.3 **Select the most appropriate ANTONYM of the word 'crucial' as used in the passage.**

Ans

- 1. Trivial
- 2. Essential
- 3. Vital
- 4. Important

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Amazon Rainforest, often referred to as the 'lungs of the Earth,' is a vast tropical rainforest in South America. Covering over 2.1 million square miles, it produces 20% of the world's oxygen. This biodiverse ecosystem is home to millions of species of plants, animals and insects, many of which are not found anywhere else on Earth. The rainforest plays a critical role in regulating the global climate and water cycles. In addition to being a key player in carbon sequestration, the Amazon influences weather patterns and rainfall distribution both locally and globally. However, deforestation and human activities pose significant threats to this vital environment. Large-scale logging, agriculture and mining activities are rapidly diminishing forest cover, leading to habitat loss and increased carbon emissions. Efforts to protect and preserve the Amazon are crucial for maintaining global biodiversity and combating climate change. International cooperation, sustainable development practices and conservation initiatives are essential to safeguard this irreplaceable natural resource for future generations.

SubQuestion No : 4

Q.4 **Which of the following titles best fits the passage?**

Ans

- 1. The Wonders of the Sahara Desert
- 2. Urban Development and Its Impacts
- 3. Marine Life Conservation
- 4. The Vital Amazon Rainforest

Comprehension:

Read the given passage carefully and answer the questions that follow.

The Amazon Rainforest, often referred to as the 'lungs of the Earth,' is a vast tropical rainforest in South America. Covering over 2.1 million square miles, it produces 20% of the world's oxygen. This biodiverse ecosystem is home to millions of species of plants, animals and insects, many of which are not found anywhere else on Earth. The rainforest plays a critical role in regulating the global climate and water cycles. In addition to being a key player in carbon sequestration, the Amazon influences weather patterns and rainfall distribution both locally and globally. However, deforestation and human activities pose significant threats to this vital environment. Large-scale logging, agriculture and mining activities are rapidly diminishing forest cover, leading to habitat loss and increased carbon emissions. Efforts to protect and preserve the Amazon are crucial for maintaining global biodiversity and combating climate change. International cooperation, sustainable development practices and conservation initiatives are essential to safeguard this irreplaceable natural resource for future generations.

SubQuestion No : 5

Q.5 What can be inferred about the Amazon Rainforest's biodiversity?

Ans 1. It has fewer species compared to other forests.
 2. It is home to many unique species
 3. Most of its species are found in urban areas
 4. Its biodiversity is declining rapidly with no solution

Section : General Knowledge

Q.1 Defence Research and Development Organisation (DRDO)'s Agni-4, launched by India in September 2024, is a _____.

Ans 1. Short Range Ballistic Missiles
 2. Intermediate Range Ballistic Missiles
 3. Intercontinental Ballistic Missiles
 4. Cruise Missiles

Q.2 Which city in Kerala was declared India's first UNESCO 'City of Literature' in June 2024?

Ans 1. Thiruvananthapuram
 2. Kozhikode
 3. Kannur
 4. Koc

Q.3 Which range of Articles in the Indian Constitution specifies the Fundamental Rights?

Ans 1. Articles 52 to 75
 2. Articles 12 to 35
 3. Articles 5 to 11
 4. Articles 36 to 51

Q.4 In which year did Maharashtra experience its highest rainfall of 529.5 mm in the month of July since 1901?

Ans 1. 20
 2. 20
 3. 20
 4. 20

Q.5 Who among the following led the Uprising of 1857 in Dhule district, Maharashtra?

Ans 1. Khaza Singh
 2. Babu Ge
 3. Krantiveer Lahuji Sal
 4. Vinayak Damodar Savarkar

Q.6 Which Article of the Constitution provides for citizenship to persons migrated from Pakistan?

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

Q.7 Who was the founder and president of the National Solid Waste Association of India (NSWAI), established in 1996?

Ans 1. Sandeep Patel
 2. Snehal Jariwala
 3. Amiya Kumar Sahu
 4. Daryl Dsouza

Q.8 In May 2024, researchers at IISc replaced methanol with which substance for producing recombinant proteins?

Ans 1. Acetone
 2. Mono-sodium glutamate (MSG)
 3. Ethanol
 4. Glucose

Q.9 In 2024, which state will be the first to receive the World Bank climate fund?

Ans 1. Maharashtra
 2. Tamil Nadu
 3. Kerala
 4. Goa

Q.10 What is the main area of focus for the UNEP International Environmental Technology Centre (IETC) located in Japan?

Ans 1. Climate change mitigation
 2. Conservation of marine biodiversity
 3. Integrated solid waste management systems
 4. Renewable energy development

Q.11 Based upon climatic conditions, the state of Maharashtra is divided into how many meteorological subdivisions?

Ans 1. Five
 2. Six
 3. Four
 4. Three

Q.12 In which of the following districts of Maharashtra, was the Patit Pavan Mandir established under the leadership of Veer Savarkar?

Ans 1. Beed
 2. Pune
 3. Ratnagiri
 4. Thane

Q.13 The annual maximum and minimum temperatures averaged over the Maharashtra state during the year 2023 were warmer by _____.

Ans 1. 0.18°C and 0.14°C , respectively

2. 0.17°C and 0.15°C , respectively

3. 0.20°C and 0.160°C , respectively

4. 0.16°C and 0.15°C , respectively

Q.14 From which station did the 'Palace on Wheels' begin its journey for the tourism season in September 2024?

Ans 1. Mumbai Central

2. Chennai Central

3. Jaipur Railway Station

4. New Delhi Safdarjung Railway Station

Q.15 Which of the following Fundamental Rights is available only to the citizens of India and NOT to foreigners?

Ans 1. Equality before law

2. Right to elementary education

3. Rights regarding residence

4. Protection of life and personal liberty

Section : Intelligence Test

Q.1 A person covers certain distance in 6 hours at a speed of 10 km/h and some more distance in 10 hours at a speed of 4 km/h . Find his average speed for the entire distance covered.

Ans

1. $7\frac{1}{4}$

2. $6\frac{1}{4}$

3. $8\frac{1}{4}$

4. $5\frac{1}{4}$

Q.2 Find the simple interest (in ₹) on ₹2000 at 5.5% per annum rate of interest for the period from 4 February 2023 to 18 April 2023

Ans 1. 23

2. 20

3. 22

4. 21

Q.3 Pipe P can fill $\frac{2}{3}$ part of a tank in 24 hours and pipe Q can fill $\frac{5}{6}$ part of the same tank in 10 hours. Both P and Q were kept open for 3 hours, then both were closed. Pipe R alone was then opened and it emptied the water in the tank in 4 hours. Pipes P, Q and R together can fill the empty tank in:

Ans 1. 45 hours

2. 36 hours

3. 49 hours

4. 31 hours

Q.4 Refer to the following letter-symbol series and answer the given question.

(Left) F P # % G ψ Z \$ π λ D T L δ & @ θ K J X E μ σ (Right)

How many symbols are there that are immediately preceded by a symbol and also immediately followed by a symbol?

Ans 1. Two

2. Four

3. Three

4. None

Q.5 DR starts from Point A and drives 26 km towards the west. He then takes a left turn, drives 14 km, turns right and drives 16 km. He then takes a right turn and drives 29 km. He takes a final right turn, drives 42 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. 14 km, to the west

2. 15 km, to the south

3. 14 km, to the north

4. 15 km, to the west

Q.6 A sum of ₹x amounts to ₹91839 in $2\frac{1}{2}$ years at 12% p.a., interest compounded 10 – monthly. What is the value of x?

Ans 1. 67000

2. 69000

3. 70000

4. 68000

Q.7 What should come in place of the question mark ‘?’ in the given series?
745 750 760 775 795 ?

Ans 1. 825

2. 815

3. 810

4. 820

Q.8 The value of

$$\sqrt{324} + \sqrt{0.0196} - \sqrt{6.76} =$$

Ans 1. 9.71

2. 8.9

3. 5.79

4. 15.54

Q.9 20% of a number is more than 20% of 530 by 190. The number is:

Ans 1. 1480

2. 1530

3. 1330

4. 1580

Q.10 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 computers are processors. No computer is a human.

Conclusions (I): Some humans are processors.
Conclusions (II): All processors are humans.

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

Q.11 GSKR is related to WHAG in a certain way based on the English alphabetical order. In the same way, SAWZ is related to IPMO. To which of the following options is OTSS related, following the same logic?

Ans 1. HIIE
 2. EHII
 3. EIIH
 4. EIHI

Q.12 If '+' means 'subtraction', '-' means 'multiplication', 'x' means 'division' and '÷' means 'addition', then what will come in place of the question mark (?) in the following equation?

$$17 - 3 \div 21 + 35 \times 7 + 12 = ?$$

Ans 1. 60
 2. 43
 3. 47
 4. 55

Q.13 The ratio of numbers of girls and boys participating in sports of a school is 1 : 5. If the number of girls is 216, determine the number of boys participating in the sports.

Ans 1. 1110
 2. 1080
 3. 1100
 4. 1055

Q.14 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:

Crop X which requires black soil for cultivation is only grown in State L of the country.

Assumptions:

I. Only Crop X grows in State L.
II. Only State L has black soil in the country.

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

Q.15 The ratio of milk and water in a 66 litre mixture is 9 : 2. Find the quantity (in litres) of water to be added to the mixture in order to make this ratio 1:1.

Ans 1. 48
 2. 32
 3. 44
 4. 42

Section : **Technical**

Q.1 The following are the details of a project with five activities.

Activity	Predecessor	Normal Duration (Days)
M	-	3
N	M	6
O	N	?
P	O	4
Q	P	1

If the total duration of the project is 21 days and normal cost of the activities is ₹400/day, then the ratio of normal cost of the activity O to the normal cost of the project is _____.

Ans 1. 0.22
 2. 0.33
 3. 0.25
 4. 0.44

Q.2 When drawing a freehand orthographic view of a cylindrical object, how many views are generally required to fully describe the shape?

Ans 1. Four views
 2. Three views
 3. One view
 4. Two views

Q.3 How is the 'Scrap Value' used in the calculation of depreciation?

Ans 1. It is ignored in all depreciation calculations.
 2. It is subtracted from the initial cost to calculate the depreciable amount.
 3. It is multiplied by the useful life of the asset.
 4. It is added to the initial cost to determine total depreciation.

Q.4 In the logarithmic equation of sound level in decibel, the standard reference quantity is taken as:

Ans 1. 200 Pascal if measured in terms of sound pressure
 2. 20 Pascal if measured in terms of sound pressure
 3. 200 Micro-Pascal if measured in terms of sound pressure
 4. 20 Micro-Pascal if measured in terms of sound pressure

Q.5 Which of the following types of footing is NOT considered to be shallow?

Ans 1. Raft footing
 2. Pile footing
 3. Strap footing
 4. Spread footing

Q.6 What is the purpose of the DIM Scale variable in CAD software?

Ans 1. To control the colour of dimensions
 2. To change the font of dimension text
 3. To set the layer for dimensioning
 4. To adjust the overall scale of dimensions

Q.7 Which editing tool in CAD allows you to move, adjust, or stretch dimension elements using a mouse directly?

Ans 1. PEDIT
 2. SPLINEDIT
 3. DIMSTYLE Manager
 4. Grip Editing

Q.8 Which element is used in a stilling basin to break up the flow and reduce its energy effectively?

Ans 1. Guide vanes
 2. Retaining wall
 3. Spillway crest
 4. Baffle blocks

Q.9 Consider the following activity predecessor relationship.

ACTIVITY	PREDECESSOR	SCHEDULED DURATION
P	-	3
Q	P	4
R	-	5
S	-	2
T	S	6

The client imposes a fine for delay of ₹5,000 per week after 8 weeks. If the completion time of activity P is extended to 7 weeks, the total fine imposed by the client is _____.

Ans 1. ₹5,000
 2. ₹15,000
 3. ₹10,000
 4. ₹20,000

Q.10 What is the acceptable pH range for drinking water, as recommended by most water quality standards?

Ans 1. 8.5 - 10.5
 2. 6.5 - 8.5
 3. 3.5 - 5.5
 4. 4.5 - 6.5

Q.11 How are water charges typically accounted for in the rate analysis of construction work?

Ans 1. Not included in the analysis
 2. As part of the contractor's profit
 3. As a separate overhead cost
 4. As a percentage of the total material and labour costs

Q.12 The minimum thickness of a wall constructed with stone masonry work should be:

Ans 1. 300 mm
 2. 75 mm
 3. 100 mm
 4. 25 mm

Q.13 What happens if one party files a lawsuit despite an existing arbitration agreement?

Ans 1. Both parties must sign a new arbitration agreement.
 2. The arbitration agreement automatically becomes null and void.
 3. The lawsuit proceeds normally in court.
 4. The defendant may challenge the court's jurisdiction.

Q.14 How is the ruling gradient defined in railway track design?

Ans 1. The gradient that provides the best fuel efficiency
 2. The average gradient over a section of track
 3. The gradient that is easiest for train drivers to manage
 4. The steepest gradient that can be negotiated by a train with normal engine power

Q.15 Which of the following terms is used for the wastewater that comes from kitchens and bathrooms?

Ans 1. Stormwater
 2. Industrial sewage
 3. Domestic sewage
 4. Sullage

Q.16 The maximum stock level that has to be maintained for a project having 3000 tonnes annual requirement of a certain material with 12 replenishment cycles from the source having a lead time of 7 days with average daily consumption of 8 tonnes and a safety stock of 75 tonnes is _____.

Ans 1. 250 tonnes
 2. 325 tonnes
 3. 306 tonnes
 4. 381 tonnes

Q.17 What is the significance of 'General Specifications' in a contract document?

Ans 1. They are the legal terms for contract enforcement.
 2. They provide the bill of quantities.
 3. They outline the penalty for delay in work completion.
 4. They specify the class and type of work, quality of materials, etc., for the entire work.

Q.18 Which of the following is NOT a constituent of permanent way in railways?

Ans 1. Ballast
 2. Rail
 3. Sleepers
 4. Escalators

Q.19 Which of the following plumbing systems is preferred for managing a complex internal building drainage network with multiple branches?

Ans 1. Two-pipe system
 2. One-pipe system
 3. Combined system
 4. Single stack system

Q.20 In Indian Railways, what is the maximum permissible rate of change of grade for a summit curve?

Ans 1. 0.5%
 2. 0.2%
 3. 0.1%
 4. 0.05%

Q.21 Which of the following functions in a painting process is NOT relevant to the boiled linseed oil?

Ans 1. Binder
 2. Vehicle
 3. Pigment
 4. Primer

Q.22 Duty is the relationship between the volume of water and _____.

Ans 1. crop period
 2. depth of root zone
 3. number of waterings
 4. area of crop

Q.23 The major gases present in biogas are:

Ans 1. propane and nitrogen oxide
 2. oxygen and methane
 3. methane and carbon dioxide
 4. butane and oxygen

Q.24 The following are the different stages in the preparation of a work breakdown structure.

The correct hierarchical order from top to bottom is _____.

A- Operations level
B- Task level
C- Work package level
D- Sub project level
E- Activity level

Ans 1. D -> B -> C -> E -> A
 2. D -> C -> B -> A-> E
 3. D -> C -> A -> B -> E
 4. D -> C -> B -> E -> A

Q.25 In which region has the most significant ozone depletion been observed?

Ans 1. Arctic
 2. North America
 3. Equator
 4. Antarctic

Q.26 According to IRC : 16 - 2008, the rate of spray in application of cut back bitumen primer (MC 30 grade) over WMM/WBM base course surface is _____.

Ans 1. 3 to 6 kg per 10 m² area
 2. 3.6 to 4.6 kg per 10 m² area
 3. 1.3 to 2.6 kg per 10 m² area
 4. 6 to 9 kg per 10 m² area

Q.27 The economic ordering quantity of a material having unit cost of ₹1,000 is estimated as 50 units with each order costing ₹10. If 5000 units of the material is consumed annually, the carrying cost in terms of percentage is _____.

Ans 1. 0.04%
 2. 4.00%
 3. 0.40%
 4. 40.00%

Q.28 For an isometric projection of a cube, which of the following angles would a user NOT use while aligning the edges along the isometric axes?

Ans 1. 45°
 2. 30°
 3. 120°
 4. 60°

Q.29 How is the A-series paper size standard defined?

Ans 1. The size remains constant for all sheets
 2. Each sheet is half the area of the previous size
 3. Each sheet is double the area of the previous size
 4. The size is multiplied by a factor of three for each increase

Q.30 Which type of sewerage system is recommended for areas with heavy rainfall and limited treatment capacity?

Ans 1. Combined System
 2. Separate System
 3. Stormwater Overflow System
 4. Partially Separate System

Q.31 Which tool is commonly used to measure the distance between the rails in order to maintain proper alignment of track, during maintenance?

Ans 1. Measured shovel packer
 2. Track gauge
 3. Ballast regulator
 4. Rail flaw detector

Q.32 Identify the method of track construction on a flat terrain, by laying a temporary line by the side of the proposed track for transporting track material to the site.

Ans 1. Side method
 2. Tram line method
 3. Telescopic method
 4. American method

Q.33 In the first-angle projection method, where is the top view placed in relation to the front view?

Ans 1. To the right of the front view
 2. Above the front view
 3. Below the front view
 4. To the left of the front view

Q.34 Which command is used to create a pattern by repeating an object in a circular arrangement?

Ans 1. Mirr

2. Pola Array

3. Rota

4. Rectangula Array

Q.35 As per the National Building Code (NBC-2016), the maximum allowable longitudinal slope of a ramp in construction is _____.

Ans 1. 1 in

2. 1 in

3. 1 in

4. 1 in

Q.36 How is the rate for plastering work generally calculated in rate analysis?

Ans 1. In terms of volume

2. In terms of linear metres

3. In terms of surface area

4. In terms of cubic metres

Q.37 The improvement in transportation system of a country does NOT relate with the enhancement of which of the following factors?

Ans 1. Econo

2. Pover

3. Urbanisati

4. Infrastructu

Q.38 According to the Building and Other Construction Workers Act of 1996, a safety committee is to be constituted by the employer of an establishment when the minimum number of ordinary workers employed is _____.

Ans 1. 10

2. 1

3. 5

4.

Q.39 Inventory carrying cost of a material does NOT include _____.

Ans 1. clerical work for placing an order

2. obsolesce co

3. warehouse st f expenses

4. material wastage co

Q.40 Which of the following is NOT a preventive measure of water logging control?

Ans 1. Not providing pipe drain

2. Checking of section of can

3. Lining of can

4. Lowering full supply lev