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MPSC TPA

Previous Year Paper
31 Dec, 2024 Shift 2



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

Section : Marathi

Q.1 खालीलपैकी पूर्ण भविष्यकालीन क्रियापद कोणते?

Ans 1. करेल.
 2. करत जाईल.
 3. केले असेल.
 4. करत असेल.

Q.2 कानात बुगडी, गावात फुगडी या म्हणीचा योग्य अर्थ कोणता?

Ans 1. आपल्या जवळच्या थोड्याशया संपत्तीचे मोठे प्रदर्शन करणे.
 2. हवी असलेली वस्तू आपल्याजवळच असताना तिची जाणीव नसणे.
 3. चुकीच्या मागणी शोध घेण्याचा मूर्खपणा करणे.
 4. आपल्या कल्पनेच्या जोरावर वास्तवाच्या पलीकडचे पाहू शकतो.

Q.3 ' प्राणावर बेतणारे काम करणे ' या अर्थाचा वाक्प्रचार सांगा.

Ans 1. सुल्लावरची पोळी
 2. साक्षी देणे.
 3. संस्कार होणे
 4. साठी उलटणे

Q.4 खाली दिलेल्या वाक्याचा प्रकार ओळखा.

आजची मुले सुदैवी आहेत कारण रोज नवीन नवीन गोष्टी त्यांच्या कानावर पडतात.

Ans 1. संयुक्त वाक्य
 2. केवल वाक्य
 3. संकेतार्थी वाक्य
 4. मिश्र वाक्य

Q.5 खालीलपैकी 'अपूर्ण भविष्यकाळी ' रूप कोणते ?

Ans 1. मी काम करत असेन.
 2. मी काम केलेले असेल.
 3. मी काम करत जाईन.
 4. मी काम करेल.

Q.6 मला सगळे मित्रच आहेत. या वाक्याचे नकारार्थी वाक्य ओळखा.

Ans 1. मला सगळे मित्रच आहेत असे नाही.
 2. मला फक्त मित्रच नाहीत.
 3. मला कोणीही शत्रू नाही.
 4. मला काय सगळे मित्रच आहेत.

Q.7 'हे काम सोपे आहे' या वाक्याचे नकारार्थी वाक्य करा .

Ans 1. हे काय काम सोपे आहे?
 2. हे काम अवघड नाही.
 3. हे काम सोपे नाही आहे.
 4. हे काम सोपे आहे असे नाही.

Comprehension:

खालील उतारा वाचून विचारलेल्या प्रश्नांची उत्तरे द्या.

एका पर्यटकाच्या नजरेतून सुरु केलेला सात दिवसांचा प्रवास-लेह, नुब्रावळी, पँगँग लेक आणि सरतेशेवटी द्रास, कारगिल ! आता शेवटचा टप्पा शिल्लक होता. कारगिल आणि द्रास ! सोबत असलेला लडाखी ड्रायवर स्टानझिन पाच वर्षांपूर्वी घडलेल्या कारगिल युद्धाच्या आठवणीना उजाळा देत होता. गाडी पुढे जात होती. आम्ही द्रासला पोहोचलो. शासकीय विश्वामगृहात दोन खोल्या मिळाल्या. सकाळी उठून लांबूनच दिसणाऱ्या टायगर हिलच्या सुळक्यांचं दर्शन घेतलं. थोड्याफार मिळालेल्या माहितीमुळे १९९९ साली इथे काय उत्पात घडला असेल, ह्या कल्पनेनंही अंगावर काटा आला. निःशब्द अवस्थेतच तोलोलिंगच्या पायथाशी बांधलेल्या 'ॲप्रेशन विजयच्या स्मारकार्पर्ट पोहोचलो. समोर दिसणारा तोलोलिंग, डावीकडे नजर गेली, की दिसणारा रौकीनॉब, हंप, इंडिया गेट, श्री पिपल, टायगर हिलच्या सुळक्का, त्याच्या बाजूचा पाईंट ४८७५ भारतीय जवानांनी काबीज केलेल्या शिखरांची रांग. होय, याच मातीतून धूळ अंगावर घेत उंच १६००० फुटांवर बर्फाच्छादित शिखरांवर, शत्रूच्या तोफा पहाडावरून आग ओकत असताना ह्या भयाण पर्वतांवर आमचे धैर्यधर अथक चढत राहिले होते. मृत्यु समोर दिसत असतानाही त्याच्या जबड्यात हात घालून मृत्युलाच आळ्हान देणारी बावीसतेवीस वर्षाची तेजोमय स्फुलिंग होती ती! ज्यांना आशीर्वाद दयायचे, त्यांच्यासमोर नतमस्तक होऊन सलामी देणं किती कष्टप्रद आहे, ह्याची जाणीव झाली. थरथरत्या हातांनी, डबडबलेल्या डोव्यांनी त्या स्मारकाला सलाम केला.

SubQuestion No : 2

Q.2 मृत्युला आळ्हान देणारे कोण?

Ans

- 1. अमेरिकन सैनिक
- 2. स्कॉटलंड पोलीस
- 3. भारतीय सैनिक
- 4. महाराष्ट्र सेना

Comprehension:

खालील उतारा वाचून विचारलेल्या प्रश्नांची उत्तरे द्या.

एका पर्यटकाच्या नजरेतून सुरु केलेला सात दिवसांचा प्रवास-लेह, नुब्रावळी, पँगँग लेक आणि सरतेशेवटी द्रास, कारगिल ! आता शेवटचा टप्पा शिल्लक होता. कारगिल आणि द्रास ! सोबत असलेला लडाखी ड्रायवर स्टानझिन पाच वर्षांपूर्वी घडलेल्या कारगिल युद्धाच्या आठवणीना उजाळा देत होता. गाडी पुढे जात होती. आम्ही द्रासला पोहोचलो. शासकीय विश्वामगृहात दोन खोल्या मिळाल्या. सकाळी उठून लांबूनच दिसणाऱ्या टायगर हिलच्या सुळक्यांचं दर्शन घेतलं. थोड्याफार मिळालेल्या माहितीमुळे १९९९ साली इथे काय उत्पात घडला असेल, ह्या कल्पनेनंही अंगावर काटा आला. निःशब्द अवस्थेतच तोलोलिंगच्या पायथाशी बांधलेल्या 'ॲप्रेशन विजयच्या स्मारकार्पर्ट पोहोचलो. समोर दिसणारा तोलोलिंग, डावीकडे नजर गेली, की दिसणारा रौकीनॉब, हंप, इंडिया गेट, श्री पिपल, टायगर हिलच्या सुळक्का, त्याच्या बाजूचा पाईंट ४८७५ भारतीय जवानांनी काबीज केलेल्या शिखरांची रांग. होय, याच मातीतून धूळ अंगावर घेत उंच १६००० फुटांवर बर्फाच्छादित शिखरांवर, शत्रूच्या तोफा पहाडावरून आग ओकत असताना ह्या भयाण पर्वतांवर आमचे धैर्यधर अथक चढत राहिले होते. मृत्यु समोर दिसत असतानाही त्याच्या जबड्यात हात घालून मृत्युलाच आळ्हान देणारी बावीसतेवीस वर्षाची तेजोमय स्फुलिंग होती ती! ज्यांना आशीर्वाद दयायचे, त्यांच्यासमोर नतमस्तक होऊन सलामी देणं किती कष्टप्रद आहे, ह्याची जाणीव झाली. थरथरत्या हातांनी, डबडबलेल्या डोव्यांनी त्या स्मारकाला सलाम केला.

SubQuestion No : 3

Q.3 तोलोलिंगच्या पायथाशी असलेले स्मारक कोणते?

Ans

- 1. अॅप्रेशन विजय
- 2. हंपी
- 3. चारमिनार
- 4. शिवाजी महाराज

Section : English

Q.1 Select the most appropriate option to fill in the blank.
_____ my hard work and pain went in vain.

Ans

- 1. Each
- 2. Neither
- 3. Some
- 4. All

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

Planning the wedding date at this moment would be doing things in the wrong order.

Ans

- 1. letting the cat out the bag
- 2. bringing down the house
- 3. casting pearls before swine
- 4. putting the cart before the horse

Q.3 Select the most appropriate synonym of the given word.
Nostalgic

Ans 1. Homesick
 2. Cynical
 3. Unsentimental
 4. Soothing

Q.4 Select the most appropriate article to fill in the blank.

_____ 90s were a decade marked by the emergence of diverse musical genres like grunge and hip-hop.

Ans 1. That
 2. An
 3. Those
 4. The

Q.5 Select the most appropriate ANTONYM of the given word.
Destitute

Ans 1. Insolvent
 2. Exhausted
 3. Affluent
 4. Impoverished

Q.6 Select the most appropriate option to fill in the blank.

What is the conceptual framework of malnutrition according to _____ UNICEF?

Ans 1. an
 2. No article
 3. the
 4. a

Q.7 Select the INCORRECTLY spelt word.

Ans 1. Axiam
 2. Allure
 3. Astound
 4. Accurate

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.

A. Children are growing up surrounded by mobile devices and interactive social networking sites.
B. The effects of social networking are twofold.
C. The impact of social networks on them is significant.
D. While on the negative side, the Internet is laden with a number of risks associated with online communities.
E. Social media is a term used to describe the interaction between groups or individuals over the Internet and in virtual communities.
F. On the positive side, social networks can act as invaluable tools for professionals.

Ans 1. ABCDEF
 2. EACBFD
 3. FDCBAE
 4. EBFDAB

Q.9 Select the most appropriate option to fill in the blank.
I ate _____ rice at the party last night.

Ans 1. much
 2. few
 3. some
 4. little

Q.10 Select the option that can be used as a one-word substitute for the given group of words/phrase.
A place where bees are kept.

Ans 1. Apiary
 2. Kennel
 3. Aviary
 4. Stable

Section : English

Comprehension:

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

One of the main challenges facing the education system in India is unequal access to education. Despite the country's rapid economic growth and increasing prosperity, many rural and underprivileged communities still lack access to quality education. Another challenge facing the education system in India is outdated curricula. In many cases, the curricula used in schools and colleges are not in line with the latest developments in technology and society. In addition to these challenges, the education system in India also faces a lack of funding. Despite the government's commitment to education, many schools and colleges still lack the resources they need to provide quality education to their students.

Despite these challenges, however, the education system in India has made great strides in recent years. Many universities and colleges have modernised their curricula to better reflect the needs of the modern workforce, and the government has increased its funding for education. Additionally, new initiatives, such as the Right to Education Act, have been introduced to increase access to education for all Indian citizens, regardless of their background or income.

SubQuestion No : 1

Q.1 What is the tone of the passage?

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

Comprehension:

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

One of the main challenges facing the education system in India is unequal access to education. Despite the country's rapid economic growth and increasing prosperity, many rural and underprivileged communities still lack access to quality education. Another challenge facing the education system in India is outdated curricula. In many cases, the curricula used in schools and colleges are not in line with the latest developments in technology and society. In addition to these challenges, the education system in India also faces a lack of funding. Despite the government's commitment to education, many schools and colleges still lack the resources they need to provide quality education to their students.

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SubQuestion No : 2

Q.2 Select an appropriate title for the passage.

Ans 1. Modernising Curricula in India's Educational Institutions
 2. The Success of the Right to Education Act
 3. Challenges in Indian Education: A Mixed Landscape
 4. The Impact of Economic Growth on Education in India

Comprehension:

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

One of the main challenges facing the education system in India is unequal access to education. Despite the country's rapid economic growth and increasing prosperity, many rural and underprivileged communities still lack access to quality education. Another challenge facing the education system in India is outdated curricula. In many cases, the curricula used in schools and colleges are not in line with the latest developments in technology and society. In addition to these challenges, the education system in India also faces a lack of funding. Despite the government's commitment to education, many schools and colleges still lack the resources they need to provide quality education to their students.

Despite these challenges, however, the education system in India has made great strides in recent years. Many universities and colleges have modernised their curricula to better reflect the needs of the modern workforce, and the government has increased its funding for education. Additionally, new initiatives, such as the Right to Education Act, have been introduced to increase access to education for all Indian citizens, regardless of their background or income.

SubQuestion No : 3

Q.3 Select the most appropriate short summary of the passage.

Ans

- 1. Despite challenges, such as unequal access, outdated curricula and lack of funding, the Indian education system has made considerable progress.
- 2. The Right to Education Act has completely resolved all issues in the Indian education system.
- 3. The education system in India is highly effective and faces no significant challenges.
- 4. Rural and underprivileged communities have the best access to education in India.

Comprehension:

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

One of the main challenges facing the education system in India is unequal access to education. Despite the country's rapid economic growth and increasing prosperity, many rural and underprivileged communities still lack access to quality education. Another challenge facing the education system in India is outdated curricula. In many cases, the curricula used in schools and colleges are not in line with the latest developments in technology and society. In addition to these challenges, the education system in India also faces a lack of funding. Despite the government's commitment to education, many schools and colleges still lack the resources they need to provide quality education to their students.

Despite these challenges, however, the education system in India has made great strides in recent years. Many universities and colleges have modernised their curricula to better reflect the needs of the modern workforce, and the government has increased its funding for education. Additionally, new initiatives, such as the Right to Education Act, have been introduced to increase access to education for all Indian citizens, regardless of their background or income.

SubQuestion No : 4

Q.4 What is the central theme of the passage?

Ans

- 1. The importance of modern technology in education
- 2. The effectiveness of the Right to Education Act in India
- 3. The impact of economic growth on educational access
- 4. The challenges and progress within the Indian education system

Comprehension:

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

One of the main challenges facing the education system in India is unequal access to education. Despite the country's rapid economic growth and increasing prosperity, many rural and underprivileged communities still lack access to quality education. Another challenge facing the education system in India is outdated curricula. In many cases, the curricula used in schools and colleges are not in line with the latest developments in technology and society. In addition to these challenges, the education system in India also faces a lack of funding. Despite the government's commitment to education, many schools and colleges still lack the resources they need to provide quality education to their students.

Despite these challenges, however, the education system in India has made great strides in recent years. Many universities and colleges have modernised their curricula to better reflect the needs of the modern workforce, and the government has increased its funding for education. Additionally, new initiatives, such as the Right to Education Act, have been introduced to increase access to education for all Indian citizens, regardless of their background or income.

SubQuestion No : 5

Q.5 Which of the following can be inferred from the passage?

Ans

- 1. The education system in India is completely effective and requires no further changes.
- 2. The government has completely resolved funding issues within the education system.
- 3. Rural and underprivileged communities are the primary beneficiaries of recent educational reforms in India.
- 4. Although there are significant challenges, there have been positive developments in India's education system.

Q.1 Which type of soil is found in most of the piedmont zone of the Western Ghats, which is the area at the base of the mountain ranges in Karnataka and Maharashtra?

Ans 1. Peaty soil
 2. Red soil
 3. Arid soil
 4. Saline soils

Q.2 In June 2024, which ministry's office did Bhupender Yadav visit to assume his new role?

Ans 1. Ministry of Agriculture and Farmers Welfare
 2. Ministry of Urban Affairs
 3. Ministry of Health and Family Welfare
 4. Ministry of Environment, Forest and Climate Change

Q.3 In which year was the Energy Conservation (Amendment) Act passed?

Ans 1. 2019
 2. 2018
 3. 2022
 4. 2023

Q.4 The duty to promote harmony and the spirit of _____ amongst all the people of India transcending religious, linguistic, and regional or sectional diversities is enshrined in Article 51A.

Ans 1. common brotherhood
 2. secularism
 3. patriotism
 4. equality

Q.5 As per the Ministry of Earth Sciences Report Statement for Climate for the State of Maharashtra 2022, which region in Maharashtra receives the highest average rainfall annually?

Ans 1. Dhule, Jalgaon, Kolhapur
 2. Solapur, Satara, Sangli
 3. Thane, Raigad, Ratnagiri, Sindhudurg
 4. Nasik, Pune, Ahmednagar

Q.6 Which Constitutional Amendment Act introduced the provision for compulsory education to children between 6 and 14 years of age?

Ans 1. 92nd Amendment Act
 2. 86th Amendment Act
 3. 84th Amendment Act
 4. 88th Amendment Act

Q.7 What was the theme of the International Conference on Travel, Tourism, Hospitality and Culture-2024, organised by IHM Ranchi in February 2024?

Ans 1. Culture and Cuisine in the Digital World
 2. Innovations in Travel Technology
 3. Sustainable Tourism Practices
 4. Future Trends in Hospitality

Q.8 At the International Meet of leading medical celebrities in July 2024, what was the primary focus of Union Minister Dr. Jitendra Singh's work that earned him the 'Lifetime Achievement Award'?

Ans 1. Oncology and cancer treatment
 2. Diabetology, diabetes care, and research
 3. Neurology and brain disorders
 4. Cardiology and heart research

Q.9 In September 1873, Jyotirao Phule along with his followers, formed which of the following organisations to attain equal rights for peasants and the lower castes?

Ans 1. Aikyavardhini Sabha
 2. Sadharan Brahmo Samaj
 3. Tattwabodhini Sabha
 4. Satyashodhak Samaj

Q.10 The Karla Caves complex near Lonavala, Maharashtra consists of how many caves?

Ans 1. 12
 2. 24
 3. 16
 4. 28

Q.11 State of the Global Climate in 2022 report was released by the _____.

Ans 1. International Labour Organisation
 2. World Trade organisation
 3. World Food Organisation
 4. World Meteorological Organization

Q.12 Which scheme was used for the adoption of the Elephanta Caves by a private firm in August 2024?

Ans 1. Adopt a Heritage
 2. Adopt a Monument
 3. Save Our Heritage
 4. Preserve Our Past

Q.13 Who among the following started Shreemati Nathibai Damodar Thackersey Women's University in 1916?

Ans 1. Vishnu Gadre
 2. Vasudeo Balyant Phadke
 3. Gopal Hari Karve
 4. Dhondo Keshav Karve

Q.14 Which of the following DOES NOT reflect in the Preamble of the Indian Constitution?

Ans 1. Socialism
 2. Secularism
 3. Social exclusion
 4. Democracy

Q.15 Which of the following deals with the categorisation of waste in the 5R's category, i.e. reduce, reuse and recycle, refuse and regenerate?

Ans 1. Waste mobilisation
 2. Waste hierarchy
 3. Waste chronology
 4. Waste incineration

Section : Intelligence Test

Q.1 If 40% of a number is added to 720, then the result is the same number. 60% of the same number is:

Ans 1. 1440
 2. 1080
 3. 720
 4. 740

Q.2 Find the simple interest (in ₹) on ₹2000 at 5.5% per annum rate of interest for the period from 14 February 2023 to 28 April 2023

Ans 1. 21
 2. 22
 3. 23
 4. 20

Q.3 The ratio of numbers of girls and boys participating in sports of a school is 1 : 5. If the number of girls is 208, determine the number of boys participating in the sports.

Ans 1. 1040
 2. 1060
 3. 1015
 4. 1070

Q.4 If at same rate of interest, in 2 years, the simple interest is ₹44 and compound interest is ₹48, then what is the principal (in ₹)?

Ans 1. 121
 2. 114
 3. 125
 4. 116

Q.5 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 police of City V have addressed and solved 60% more registered crimes than the previous year.

Assumptions:

I. Police of City V have prevented more crimes from occurring when compared to the previous year.
II. More City V residents were involved in criminal activities in the present than the previous year.

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

Q.6 A, B and C together can complete a certain work in 56 days. B and C together can complete the same work in 63 days. B is 50% more efficient than A. A, B and C work together for 46 days. B alone will complete the remaining work in:

Ans 1. 58 days
 2. 60 days
 3. 61 days
 4. 56 days

Q.7 What should come in place of the question mark '?' in the given series?
451 452 460 487 551 ?

Ans 1. 666
 2. 686
 3. 676
 4. 656

Q.8 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:

Some ribs are bone. All bone are calcium.

Conclusions (I): Some ribs are calcium.

Conclusions (II): All calcium are bone.

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

Q.9 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?

$$9 \div 3 - 7 + 12 \div 40 \times 4 - 2 + 36 = ?$$

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

Q.10 Refer to the following letter and symbol series and answer the question that follows.
Counting to be done from left to right only.

(Left) \$ L @ A D \ N H \Omega J E \ ? \% J Z ^ \ & K G L \ & O = E S Q R (Right)

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

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

Q.11 AZ starts from Point A and drives 19 km towards the west. He then takes a left turn, drives 14 km, turns left and drives 27 km. He then takes a left turn and drives 29 km. He takes a final left turn, drives 8 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. 12 km to the north

3. 15 km to the south

4. 14 km to the south

Q.12 The average of 7 results is 51 and that of the first 6 is 50. The 7th result is?

Ans 1. 50

2. 56

3. 57

4. 51

Q.13 The speed of a stream is 6 km/h. A boat can go 28 km downstream and 8 km upstream in a total of 6 hours. What is the speed (in km/h) of the boat in still water?

Ans 1. 5

2. 16

3. 8

4. 9

Q.14 CHIN is related to MSSY in a certain way based on the English alphabetical order. In the same way, QZWF is related to AKGQ. To which of the given options is UGAM related, following the same logic?

Ans 1. ERXK

2. ERKK

3. ERKX

4. ERXX

Q.15 Simplify $144 \div [16 \div 8 \times \{17 + 18 - (10 + 2 - (5 + 8))\}]$

Ans 1. -6

2. 1

3. -5

4. 2

Section : Technical

Q.1 During timbering of excavation, on which of the following factors will the sides of the timber support depend?

- (i) Depth of trench
- (ii) Nature of soil
- (iii) Period of work
- (iv) Weather conditions

Ans 1. Only (i), (iii) and (iv)

2. Only (i) and (ii)

3. All of (i), (ii), (iii) and (iv)

4. Only (i), (ii) and (iii)

Q.2 Based on the gauge width of track, the railway tracks in India are classified into _____ types.

Ans 1. Five

2. Four

3. Two

4. Three

Q.3 Which of the following types of lines is used to represent hidden edges in engineering drawings?

Ans 1. Chain thin line

2. Continuous thin line

3. Dashed thin line

4. Continuous thick line

Q.4 Why is 'Assessed Value' important in property valuation for taxation purposes?

Ans 1. It helps in calculating the depreciation of the property.

2. It is an estimate of the future value of the property.

3. It is used to determine the replacement cost of the property.

4. It is used to calculate the amount of tax payable on the property.

Q.5 The minimum distance open to the vision of the driver of a vehicle intending to overtake slow vehicle ahead with safety against the traffic of opposite direction is known as _____.

Ans 1. braking sight distance

2. intermediate sight distance

3. stopping sight distance

4. overtaking sight distance

Q.6 With respect to pond ecosystem, which of the following is correct?

Ans 1. Both phytoplankton and zooplankton are producers.

2. Both phytoplankton and zooplankton are consumers.

3. Phytoplankton are consumers and zooplankton are producers.

4. Phytoplankton are producers and zooplankton are consumers.

Q.7 Which of the following are used as key monitoring tools in a network diagram throughout the life of a project?

Ans 1. Activities

2. Milestones

3. Events

4. Dummies

Q.8 Identify the type of gradient, in which a train coming down a falling gradient acquires good speed and momentum and thereby imparts additional kinetic energy to the train, so as to negotiate steeper gradients.

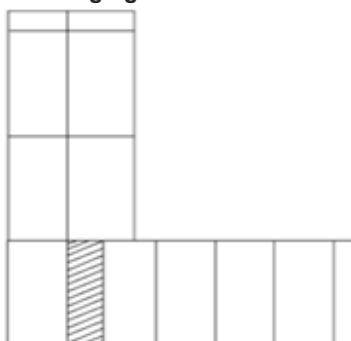
Ans 1. Momentum Gradient

2. Down Gradient

3. Ruling Gradient

4. Pusher Gradient

Q.9 What is the type of brick bond in the junction at the corners of the wall shown in the following figure?



Ans 1. Rat trap bond

2. English bond

3. Stretcher bond

4. English garden wall bond

Q.10 How should intake structures be designed in relation to structural strength?

Ans 1. They should be able to withstand forces such as floods, debris, and boat impact.

2. They should have a transparent structure to monitor water quality.

3. They should be lightweight to reduce construction costs.

4. They should be painted in bright colours for visibility.

Q.11 What is the primary purpose of a 'Denial Clause' in contract management?

Ans 1. To provide coverage for unforeseen events affecting the project.

2. To refuse the payment of additional costs incurred due to delays not attributable to the client.

3. To ensure that the supplier delivers goods of the highest quality.

4. To allow the contractor compensation for delays caused by their own actions or negligence.

Q.12 Which type of construction contract involves the contractor being paid a set amount per unit of work completed?

Ans 1. Unit price contract

2. Cost-plus contract

3. Lump sum contract

4. Fixed-price contract

Q.13 Which Act provides protection to workers in hazardous occupations in India by mandating compensation in case of work-related accidents?

Ans 1. Minimum Wages Act, 1948

2. Workmen Compensation Act, 1923

3. Factories Act, 1948

4. Contract Labour (Regulation & Abolition) Act, 1970

Q.14 In orthographic projections, how many principal views are typically needed to fully represent an object?

Ans 1. One

2. Four

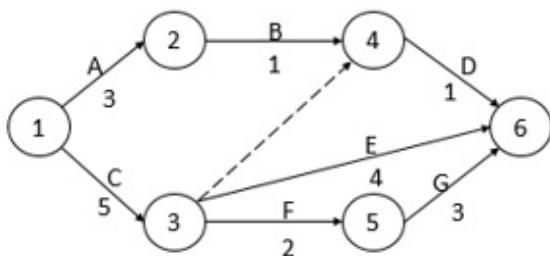
3. Three

4. Two

Q.15 In AutoCAD, which command is used to edit existing text?

Ans 1. TEXT
 2. MTEXT
 3. DDEDIT
 4. ATTDEF

Q.16 In the following AOA network diagram, the Start Time of activity D is _____.



Ans 1. 4 units
 2. 6 units
 3. 5 units
 4. 3 units

Q.17 Which of the following is NOT a method of structural flood control?

Ans 1. Flood ways
 2. Levees
 3. Providing storage and detention reservoirs
 4. Evacuation and relocation

Q.18 Which of the following lines is used to indicate the cutting planes in sectional views?

Ans 1. Chain thick lines with alternating dashes and dots
 2. Continuous thin lines with breaks
 3. Centre lines
 4. Long-break lines

Q.19 Which term describes the design parameter that determines the effectiveness of sedimentation by relating flow rate to tank surface area?

Ans 1. Hydraulic retention time
 2. Organic loading rate
 3. Surface overflow rate
 4. Volumetric loading rate

Q.20 What type of rail joint provides support directly on the sleeper, and is expected to reduce wear and tear?

Ans 1. Bridge joint
 2. Supported joint
 3. Suspended joint
 4. Staggered joint

Q.21 Which method of surface irrigation is practised in hilly areas?

Ans 1. Contour farming
 2. Furrow method
 3. Border strip method
 4. Flooding method

Q.22 Desert ecosystem is a type of:

Ans 1. terrestrial ecosystem
 2. tundra ecosystem
 3. artificial ecosystem
 4. savanna ecosystem

Q.23 'Method Statement' is a methodology adopted in Work Breakdown Structure for creation of _____.

Ans 1. operations from activities
 2. activities from work-packages
 3. work-packages from tasks
 4. tasks from sub-projects

Q.24 The temporary support provided to strengthen unsafe buildings while they are being repaired is called:

Ans 1. camber
 2. shoring
 3. shuttering
 4. formwork

Q.25 Which component of the CAD interface allows users to access commands, tools, and functions?

Ans 1. Viewport
 2. Command window
 3. Ribbon or Toolbar
 4. Status bar

Q.26 According to IRC : 27 - 2009, the Los Angeles abrasion value of coarse aggregates used for the construction of bituminous macadam base course shall not exceed _____.

Ans 1. 30%
 2. 50%
 3. 40%
 4. 25%

Q.27 Scrap value is primarily determined at which stage of a building's lifecycle?

Ans 1. During the peak of its productive life
 2. During regular maintenance
 3. After it has been fully depreciated and is demolished
 4. At the time of construction

Q.28 _____ is the application of human biological sciences along with engineering sciences for achieving human well-being, efficiency and safety at a construction site.

Ans 1. Biologics
 2. Mnemonics
 3. Semiotics
 4. Ergonomics

Q.29 Which type of irrigation system is considered a form of gravity irrigation?

Ans 1. Sprinkler irrigation
 2. Furrow irrigation
 3. Drip irrigation
 4. Centre pivot irrigation

Q.30 In the context of CAD, which of the following is a common feature that allows easy modification of designs?

Ans 1. Using tracing paper for revisions
 2. Physically redrawing the components
 3. Erasing sketches by hand
 4. Undo and redo commands

Q.31 The power to make/amend rules for carrying out the provisions of Arbitration and Conciliation Act lies with the _____.

Ans 1. High Court
 2. State Government
 3. Central Government
 4. Supreme Court

Q.32 Which dimensioning system allows the dimensions to be placed such that they can only be read from the bottom edge of the drawing?

Ans 1. Datum line dimensioning
 2. Chain dimensioning
 3. Unidirectional system
 4. Aligned system

Q.33 What is the primary biological layer that forms on the sand surface during filtration in a slow sand filter?

Ans 1. Activated sludge layer
 2. Schmutzdecke layer
 3. Colloidal layer
 4. Biofloc layer

Q.34 Following IS : 2720 (Part 16) - 1987, the standard pressures considered in the CBR test, for penetration depths of 2.5 mm and 5 mm are _____ respectively.

Ans 1. 60 kg/cm² and 100 kg/cm²
 2. 65 kg/cm² and 100 kg/cm²
 3. 50 kg/cm² and 60 kg/cm²
 4. 70 kg/cm² and 105 kg/cm²

Q.35 What is the full form of GMP in contract management?

Ans 1. General Market Price
 2. General Management Process
 3. Guaranteed Maximum Price
 4. Gross Material Plan

Q.36 What does 'Schedule of Rates' refer to in rate analysis?

Ans 1. A guideline for environmental compliance
 2. A list of project timelines and milestones
 3. A manual for construction safety practices
 4. A document specifying the rates of different items of work

Q.37 What operational problem can occur if the backwash rate is too high in sand filter?

Ans 1. Mudball formation
 2. Filter bed expansion and loss of media
 3. Lower dissolved oxygen levels
 4. Reduced filtration efficiency

Q.38 What is a secondary pollutant in the context of air pollution?

Ans 1. Dust from construction sites
 2. Smog formed from interactions of primary pollutants
 3. Carbon monoxide from vehicles
 4. Methane from landfills

Q.39 In the plastering of an undercoat, which of the following zones of sand is applicable for attaining smooth rendering and finishing?

Ans 1. Zone III
 2. Zone IV
 3. Zone I
 4. Zone II

Q.40 According to the Indian Roads Congress, what is the ruling gradient for roads in plain or rolling terrain?

Ans 1. 5.0%
 2. 2.5%
 3. 4.0%
 4. 3.3%

