SJVN LIMITED

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Participant ID	
Participant Name	
Test Center Name	
Test Date	18/03/2023
Test Time	4:30 PM - 6:30 PM
Subject	Field Engineer(Environment)

Section : **Subject Related**

Q.1 The two oxides of nitrogen, which are emitted in significant quantities into the atmosphere and of primary concern regarding air pollution, are:

Ans ✔ 1. nitrogen dioxide and nitric oxide

✘ 2. nitrogen dioxide and nitrous oxide

✘ 3. nitrogen dioxide and nitrogen tetroxide

✘ 4. nitrogen dioxide and nitrogen pentoxide

Question ID : **630680178696**
Status : **Answered**
Chosen Option : **1**

Q.2 The atmosphere is divided into various horizontal layers, which are characterized by the slope of their temperature profiles. Which spheres/layers are characterized by temperatures decreasing with the altitude?

Ans ✔ 1. Troposphere and mesosphere

✘ 2. Troposphere and stratosphere

✘ 3. Mesosphere and stratosphere

✘ 4. Stratosphere and thermosphere

Question ID : **630680178626**
Status : **Answered**
Chosen Option : **1**

Q.3 Which type of hardness is expected due to excessive presence of sodium ions, which interferes with the normal behaviour of soaps?

Ans ✘ 1. Temporary hardness

✔ 2. Pseudo hardness

✘ 3. Permanent hardness

✘ 4. Common salt behaviour

Question ID : **630680178668**
Status : **Answered**
Chosen Option : **2**

Q.4 As per the provisions of the Forest Act, 1927, which of the following makes rules to regulate the granting of licenses to the inhabitants of towns and villages located in the vicinity of protected forests to take trees, timber or other forest-produce for their own use and production and the return of such licenses by such persons?

Ans

✗ 1. Central Government

✔ 2. State Government

✗ 3. Ministry of Environment and Forest

✗ 4. Parliamentary Committee

Question ID : **630680178624**
Status : **Answered**
Chosen Option : **3**

Q.5 Which bio-geographical rule states that the races of birds and mammals in warmer regions are more darkly coloured than those in colder or drier regions?

Ans

✗ 1. Allen's rule

✗ 2. Bergmann's rule

✔ 3. Gloger's rule

✗ 4. Geist's rule

Question ID : **630680178611**
Status : **Answered**
Chosen Option : **3**

Q.6 The deficiency of which micronutrient reduces the activity of symbiotic and non-symbiotic nitrogen-fixing microorganisms?

Ans

✗ 1. Zinc

✗ 2. Copper

✔ 3. Molybdenum

✗ 4. Boron

Question ID : **630680178636**
Status : **Answered**
Chosen Option : **1**

Q.7 As per the National Forest Policy (1952), the forest cover to sustain agriculture and to maintain the quality of the environment should be:

Ans

✗ 1. 50% of the country's total land area

✗ 2. 67% of the country's total land area

✔ 3. 33% of the country's total land area

✗ 4. 23% of the country's total land area

Question ID : **630680178652**
Status : **Answered**
Chosen Option : **3**

Q.8 Which type(s) of sensors is/are used in all the five missions of the Landsat satellite (1 to 5) for the operational global resource monitoring programme?

Ans   ✗ 1. RBV sensors

    ✗ 2. TM sensors

    ✓ 3. MSS sensors

    ✗ 4. SSM sensors

Question ID : **630680178692**
Status : **Answered**
Chosen Option : **4**

Q.9 Which of the following types of mining carried out to extract minerals is more destructive, dangerous and expensive?

Ans   ✓ 1. Surface mining

    ✗ 2. Sub-surface mining

    ✗ 3. Open-pit mining

    ✗ 4. Strip mining

Question ID : **630680178654**
Status : **Answered**
Chosen Option : **2**

Q.10 Which of the following Biodiversity Conventions has provided the definition of biodiversity as, 'the variability among living organisms from all the sources including, inter alia, terrestrial, marine and other aquatic ecosystems and ecological complexes of which they are part'?

Ans   ✓ 1. Biodiversity Convention, 1992

    ✗ 2. Biodiversity Convention, 2000

    ✗ 3. Biodiversity Convention, 2010

    ✗ 4. Biodiversity Convention, 2017

Question ID : **630680178615**
Status : **Answered**
Chosen Option : **2**

Q.11 In the checklists method of EIA, which category of checklists employs both magnitude and importance factors?

Ans   ✗ 1. Scaling checklists

    ✓ 2. Scaling–weighting checklists

    ✗ 3. Simple checklists

    ✗ 4. Descriptive checklists

Question ID : **630680178709**
Status : **Answered**
Chosen Option : **2**

Q.12 The colour produced by colloidal suspensions in water is known as:

Ans ✗ 1. light colour

✗ 2. dark colour

✗ 3. apparent colour

✓ 4. true colour

Question ID : **630680178666**
Status : **Answered**
Chosen Option : **3**

Q.13 The point of intersection of the environmental lapse rate profile to the dry adiabatic lapse rate profile is termed as:

Ans ✓ 1. mixing height

✗ 2. ventilation coefficient

✗ 3. stable atmosphere

✗ 4. ideal mixing point

Question ID : **630680178631**
Status : **Answered**
Chosen Option : **1**

Q.14 The survival rate during different periods of life span leads to obtaining three main survivorship curves, which are:

Ans ✗ 1. convex curve, concave curve and flat curve

✗ 2. convex curve, concave curve and declining curve

✓ 3. convex curve, concave curve and diagonal curve

✗ 4. convex curve, concave curve and logarithmic curve

Question ID : **630680178676**
Status : **Answered**
Chosen Option : **4**

Q.15 In land use/land cover mapping and planning, the scale recommended for the larger scale of photos with more clarity and resolution is _____.

Ans ✓ 1. 1 : 5,000 to 1 : 10,000

✗ 2. 1 : 10,000 to 1 : 12,000

✗ 3. 1 : 12,000 to 1 : 15,000

✗ 4. 1 : 15,000 to 1 : 20,000

Question ID : **630680178691**
Status : **Answered**
Chosen Option : **1**

Q.16 Identify the INCORRECT option from the following.

The major divisions of the electromagnetic spectrum :

Ans ✓ 1. range from high-frequency waves to short-wavelength

✗ 2. range from high-frequency waves to long-wavelength

✗ 3. are low-frequency waves

✗ 4.
include gamma rays, X-rays, UV radiation, visible light, infrared radiation, microwave radiations and radio waves

> Question ID : 630680178715
> Status : **Answered**
> Chosen Option : **1**

Q.17 When laser pulses are transmitted towards the ground and the distance between the sensor and the ground is measured on the basis of the return time of each pulse, it is called:

Ans ✓ 1. LiDAR remote sensing

✗ 2. radar remote sensing

✗ 3. satellite remote sensing

✗ 4. thermal remote sensing

> Question ID : 630680178713
> Status : **Answered**
> Chosen Option : **1**

Q.18 In rapid mix units, the velocity gradient, 'G', per second in terms of power dissipation, 'P' (Watts), per volume, 'V' (m^3), is given by:

Ans ✓ 1. $G = (P/V\mu)^{1/2}$, where μ is viscosity in N.s/m^2

✗ 2. $G = (P/V\mu)^{1/3}$, where μ is viscosity in N.s/m^2

✗ 3. $G = (P/V\mu)^{2/3}$, where μ is viscosity in N.s/m^2

✗ 4. $G = (PV/\mu)^2$, where μ is viscosity in N.s/m^2

> Question ID : 630680178686
> Status : **Answered**
> Chosen Option : **1**

Q.19 The effect of regular periodicity of light and darkness on the growth and development of plants is termed as:

Ans ✗ 1. vernalisation

✓ 2. photoperiodism

✗ 3. photokinesis

✗ 4. diapause

> Question ID : 630680178670
> Status : **Answered**
> Chosen Option : **3**

Q.20 Identify the INCORRECT soil group option from the following.

The boundary classification of soil groups is designated by dual symbols. The common boundary classifications for coarse-grained soil are:

Ans

✗ 1. GW-GP and GM-GC

✗ 2. GW-GM and SW-SP

✗ 3. SM-SC and SW-SM

✓ 4. ML-MI and MH-CH

Question ID : 630680178635
Status : **Answered**
Chosen Option : **2**

Q.21 As per a notification issued by the Central Pollution Control Board in 2009, the national ambient air quality standard for the annual average concentration of NO_2 in industrial, residential, rural and other areas is:

Ans

✗ 1. $80 \ \mu g/m^3$

✗ 2. $60 \ \mu g/m^3$

✗ 3. $50 \ \mu g/m^3$

✓ 4. $40 \ \mu g/m^3$

Question ID : 630680178640
Status : **Answered**
Chosen Option : **2**

Q.22 The fundamental classes of operations performed by a GIS have been characterised as _____ operations.

Ans

✗ 1. manipulation

✓ 2. map algebra

✗ 3. map description

✗ 4. image recognition

Question ID : 630680178718
Status : **Answered**
Chosen Option : **1**

Q.23 Which of the following is NOT a technical module of a software package for a GIS?

Ans

✗ 1. Data input and verification

✗ 2. Data storage and database management

✓ 3. Data output and interpretation

✗ 4. Data transformation and manipulation

Question ID : 630680178717
Status : **Answered**
Chosen Option : **2**

Q.24 Identify the INCORRECT option from the following.

Several silvicultural methods can be employed to mitigate the damage caused by baboons in timber plantations, such as:

Ans
✗ 1. eliminating damaged trees by thinning

✓ 2. increasing pruning and weeding

✗ 3. planting other species

✗ 4. integrating natural vegetation

Question ID : **630680178622**
Status : **Answered**
Chosen Option : **1**

Q.25 Which types of evergreen broadleaf forests are found near the Equator?

Ans
✗ 1. Tropical deciduous forests

✓ 2. Tropical rainforests

✗ 3. Tropical scrub forests

✗ 4. Temperate rainforests

Question ID : **630680178677**
Status : **Answered**
Chosen Option : **2**

Q.26 Which of the following options represents the categorisation of radioactive wastes?

Ans
✓ 1.
High-level waste, intermediate-level waste and low-level waste

✗ 2.
High-level waste, moderate-level waste, low-level waste and very-low-level waste

✗ 3.
High-level waste, low-level waste and very-low-level waste

✗ 4.
Very-high-level waste, high-level waste, moderate-level waste and low-level waste

Question ID : **630680178659**
Status : **Answered**
Chosen Option : **1**

Q.27 The bolstering of a wild population with animals bred in captivity or caught elsewhere in the wild is called:

Ans
✗ 1. introduction

✗ 2. reintroduction

✓ 3. augmentation or restocking

✗ 4. stocking

Question ID : **630680178613**
Status : **Answered**
Chosen Option : **3**

Q.28 In upflow anaerobic sludge blanket reactors (UASBRs), 90%–95% COD removal efficiencies for a variety of wastes at 30°C–35°C are achieved at the COD loadings ranging from:

Ans

✗ 1. 8 to 10 kg COD/m^3.day

✓ 2. 12 to 20 kg COD/m^3.day

✗ 3. 20 to 30 kg COD/m^3.day

✗ 4. 30 to 40 kg COD/m^3.day

Question ID : **630680178644**
Status : **Answered**
Chosen Option : **2**

Q.29 Which of the following types of photographs are superior and have higher spectral, spatial, radiometric and temporal resolutions?

Ans

✗ 1. Aerial photographs

✗ 2. Ground photographs

✓ 3. Satellite photographs

✗ 4. Maps

Question ID : **630680178714**
Status : **Answered**
Chosen Option : **3**

Q.30 Typical values for the ratio of BOD/COD for untreated municipal wastewater range from:

Ans

✗ 1. 0.1 to 0.3

✗ 2. 0.2 to 0.5

✗ 3. 0.5 to 0.9

✓ 4. 0.3 to 0.8

Question ID : **630680178648**
Status : **Answered**
Chosen Option : **4**

Q.31 As a precautionary measure, during the BOD test, the light must be excluded from the incubator to prevent:

Ans

✗ 1. survival of microorganisms

✓ 2. the algal growth that may produce oxygen

✗ 3. acclimatisation of microorganisms

✗ 4. decomposition of organics

Question ID : **630680178682**
Status : **Answered**
Chosen Option : **2**

Q.32 One of the data sources for preparing forest boundaries, base maps and identification of GCPs is the Survey of India's topo maps on _____ scale.

Ans
✔ 1. 1 : 25,000
✘ 2. 1 : 40,000
✘ 3. 1 : 10,000
✘ 4. 1 : 60,000

Question ID : **630680178720**
Status : **Answered**
Chosen Option : **1**

Q.33 The thermal degradation of solid waste is carried out through pyrolysis and the basic requirement of this process is _____.

Ans
✘ 1. high temperature and presence of oxygen
✔ 2. high temperature and absence of oxygen
✘ 3. low temperature and partial presence of oxygen
✘ 4. low temperature and absence of oxygen

Question ID : **630680178662**
Status : **Answered**
Chosen Option : **2**

Q.34 The cleaning efficiency of cyclones for 5–10 μm size particulates is approximately _____.

Ans
✘ 1. 70%
✘ 2. 80%
✔ 3. 90%
✘ 4. 99%

Question ID : **630680178641**
Status : **Answered**
Chosen Option : **3**

Q.35 The roughing filters are high-rate type filters that have hydraulic loadings in the range of:

Ans
✘ 1. $4–10 \, m^3/m^2.day$
✘ 2. $10–40 \, m^3/m^2.day$
✔ 3. $40–200 \, m^3/m^2.day$
✘ 4. $10–75 \, m^3/m^2.day$

Question ID : **630680178643**
Status : **Answered**
Chosen Option : **2**

Q.36 As per the design principles for reserves, the minimum number point is the number of patches beyond which the species diversity (patch number curve) gains less than:

Ans
✗ 1. 25% of the species pool with the addition of another patch

✗ 2. 15% of the species pool with the addition of another patch

✗ 3. 10% of the species pool with the addition of another patch

✓ 4. 5% of the species pool with the addition of another patch

Question ID : **630680178614**
Status : **Answered**
Chosen Option : **2**

Q.37 The working principle of the nephelometer, a turbidity-measuring device, is based on:

Ans
✓ 1. scattering and absorption of light

✗ 2. scattering and adsorption of light

✗ 3. adsorption and reflection of light

✗ 4. adsorption and refraction of light

Question ID : **630680178665**
Status : **Answered**
Chosen Option : **1**

Q.38 The head loss resulting from a screening operation can be calculated from the empirical relation given by Kirschmer as:

Ans
✗ 1. $H_L = \beta \, (b/w)^{4/3} \, h_v \sin\theta$

✗ 2. $H_L = \beta \, (w/b)^{3/4} \, h_v \sin\theta$

✓ 3. $H_L = \beta \, (w/b)^{4/3} \, h_v \sin\theta$

✗ 4. $H_L = \beta \, (w*b)^{3/4} \, h_v \sin\theta$

Question ID : **630680178683**
Status : **Answered**
Chosen Option : **2**

Q.39 As per the 73rd and 74th Amendments to the Forest Conservation Act, 1980, the powers to manage rural forest resources has been given to:

Ans
✓ 1. local Panchayats

✗ 2. the block development officer

✗ 3. the elected block pramukh

✗ 4. the forest department

Question ID : **630680178609**
Status : **Answered**
Chosen Option : **4**

Q.40   Among the 'Mega Biodiversity Countries' in the world, India is placed at the _____ position.

Ans   ✗ 1. 12th

✗ 2. 8th

✓ 3. 5th

✗ 4. 20th

Question ID : **630680178621**
Status : **Answered**
Chosen Option : **2**

Q.41   In the approximate determination of the total dissolved solids by using an electrical conductivity meter, a multiplier ranging from _____ is used to convert millisiemens into milligrams per litre.

Ans   ✓ 1. 0.055 to 0.09

✗ 2. 0.055 to 0.9

✗ 3. 0.55 to 0.90

✗ 4. 5.50 to 9.0

Question ID : **630680178667**
Status : **Answered**
Chosen Option : **1**

Q.42   The mapping of surface water bodies and sub-surface or groundwater potential is carried out by using _____.

Ans   ✗ 1. cartography techniques

✗ 2. data-capturing techniques

✓ 3. photo interpretation techniques

✗ 4. spatial analysis techniques

Question ID : **630680178694**
Status : **Answered**
Chosen Option : **4**

Q.43   The reasonable average value of the moist/saturated adiabatic lapse rate in the troposphere is about:

Ans   ✗ 1. 4.0°C/km

✓ 2. 6.0°C/km

✗ 3. 9.0°C/km

✗ 4. 9.8°C/km

Question ID : **630680178630**
Status : **Answered**
Chosen Option : **2**

Q.44 As per the National Building Code of India, 2016, the rate of generation of municipal solid waste for the assessment of quantity in commercial areas ranges from:

Ans ✗ 1. 0.05 to 0.10 kg/capita/day

✓ 2. 0.10 to 0.20 kg/capita/day

✗ 3. 0.20 to 0.40 kg/capita/day

✗ 4. 0.40 to 0.50 kg/capita/day

Question ID : **630680178658**
Status : **Answered**
Chosen Option : **3**

Q.45 Depending on the availability of land area, the landfill design life comprises an active period, closer period and post-closer period. The active period shall comprise the period for which waste filling is in progress at the landfill and shall typically range from:

Ans ✓ 1. 10 years to 25 years

✗ 2. 25 years to 30 years

✗ 3. 30 years to 35 years

✗ 4. 35 years to 40 years

Question ID : **630680178664**
Status : **Answered**
Chosen Option : **1**

Q.46 Some varieties of hydrocarbons are considered to be carcinogenic. Which of the following options gives the sequence of hydrocarbons in the decreasing trend of their carcinogenicity?

Ans ✗ 1.
Benzo (j) fluororanthene – Benzo (a) pyrene – Benzo (e) acephenanthrylene

✓ 2.
Benzo (a) pyrene – Benzo (e) acephenanthrylene – Benzo (j) fluororanthene

✗ 3.
Benzo (a) pyrene – Benzo (j) fluororanthene – Benzo (e) acephenanthrylene

✗ 4.
Benzo (e) acephenanthrylene – Benzo (j) fluororanthene – Benzo (a) pyrene

Question ID : **630680178638**
Status : **Answered**
Chosen Option : **2**

Q.47 The effect of precipitation on the distribution of vegetation types is expressed in:

Ans ✓ 1. Schimper's 3rd law

✗ 2. Schimper's 2nd law

✗ 3. Schimper's 1st law

✗ 4. Hopkin's law

Question ID : **630680178672**
Status : **Answered**
Chosen Option : **2**

Q.48 The design parameter mean cell residence time (θ_c) for the activated sludge treatment of municipal wastewater in the extended aeration process ranges from:

Ans
- ✗ 1. 4 to 15 days
- ✗ 2. 5 to 15 days
- ✗ 3. 8 to 20 days
- ✓ 4. 20 to 30 days

Question ID : **630680178642**
Status : **Answered**
Chosen Option : **2**

Q.49 The specific audits which are focused on one environmental element or impact are termed as:

Ans
- ✗ 1. environmental compliance audits
- ✗ 2. environmental management audits
- ✗ 3. environmental assessment audits
- ✓ 4. functional environmental audits

Question ID : **630680178712**
Status : **Answered**
Chosen Option : **3**

Q.50 The volume of combustible solid waste that can be reduced by using modern incineration is approximately:

Ans
- ✗ 1. 67%
- ✗ 2. 75%
- ✗ 3. 60%
- ✓ 4. 97%

Question ID : **630680178661**
Status : **Answered**
Chosen Option : **4**

Q.51 Which type of plume behaviour is expected in a highly unstable atmosphere?

Ans
- ✗ 1. Lofting
- ✓ 2. Looping
- ✗ 3. Coning
- ✗ 4. Fumigating

Question ID : **630680178632**
Status : **Answered**
Chosen Option : **2**

Q.52 National parks and sanctuaries are declared protected areas under the legal arena of the:

Ans   ✓ 1. Wildlife (Protection) Act, 1972

  ✗ 2. Wildlife (Protection) Act, 1972, amended in 1986

  ✗ 3. Wildlife (Protection) Act, 1972, amended in 1991

  ✗ 4. Wildlife (Protection) Act, 1972, amended in 2003

Question ID : **630680178618**
Status : **Answered**
Chosen Option : **2**

Q.53 The total amount of moisture present in the soil is termed as:

Ans   ✗ 1. chresard

  ✓ 2. holard

  ✗ 3. fringe

  ✗ 4. hygroscopic water

Question ID : **630680178674**
Status : **Answered**
Chosen Option : **4**

Q.54 In gravity filters, the stock sand that lies between D_{10} and D_{60} sizes comprises:

Ans   ✗ 1. 55%–60% of the specified sand

  ✓ 2. 50% of the specified sand

  ✗ 3. 65%–75% of the specified sand

  ✗ 4. 35%–40% of the specified sand

Question ID : **630680178688**
Status : **Answered**
Chosen Option : **1**

Q.55 The oxidation ponds in which dissolved oxygen is present at all the depths are known as:

Ans   ✓ 1. aerobic ponds

  ✗ 2. anoxic ponds

  ✗ 3. facultative ponds

  ✗ 4. deep ponds

Question ID : **630680178645**
Status : **Answered**
Chosen Option : **1**

Q.56 Which technique is applied to determine environmental priorities and also to make intuitive predictions through the process of achieving a group consensus?

Ans
- ✗ 1. Dynamic modelling technique
- ✗ 2. Trend extrapolation technique
- ✓ 3. Delphi technique
- ✗ 4. Metaphors and analogies

Question ID : **630680178711**
Status : **Answered**
Chosen Option : **2**

Q.57 The first notification on EIA for developmental projects was issued by the Ministry of Environment and Forest (MoEF), the Government of India, in:

Ans
- ✗ 1. August 1974
- ✗ 2. February 1978
- ✗ 3. May 1986
- ✓ 4. January 1994

Question ID : **630680178706**
Status : **Answered**
Chosen Option : **1**

Q.58 If rainwater begins to move the soil that has been loosened by splash erosion, the erosion of the soil progresses to a new stage, which is called:

Ans
- ✓ 1. sheet erosion
- ✗ 2. splash erosion
- ✗ 3. rill erosion
- ✗ 4. gully erosion

Question ID : **630680178637**
Status : **Answered**
Chosen Option : **3**

Q.59 An international agreement linked to the United Nations Framework Convention on Climate Change is concluded through the:

Ans
- ✗ 1. Montreal Protocol, 1987
- ✗ 2. Ramsar Convention, 1971
- ✓ 3. Kyoto Protocol, 1997
- ✗ 4. Paris Summit, 2015

Question ID : **630680178608**
Status : **Answered**
Chosen Option : **4**

Q.60 What are the major components in the oxidant pool that cause damage to plants?

Ans ✗ 1. Ozone (O_3) and peroxy propinol nitrate (PPN)

✗ 2. Ozone (O_3) and peroxy butyl nitrate (PBN)

✓ 3. Ozone (O_3) and peroxy acetyl nitrate (PAN)

✗ 4. Ozone (O_3) and alkyl nitrates (ANs)

> Question ID : **630680178698**
> Status : **Answered**
> Chosen Option : **3**

Q.61 In the laboratory determination of alkalinity, 1 ml of titrant H_2SO_4 neutralises 1 mg of alkalinity as $CaCO_3$. The normality of the titrant used is:

Ans ✓ 1. 0.02 N

✗ 2. 0.2 N

✗ 3. 0.1 N

✗ 4. 0.01 N

> Question ID : **630680178681**
> Status : **Answered**
> Chosen Option : **2**

Q.62 The silts and clays of high compressibility are represented by the symbol 'H' and have liquid limit:

Ans ✗ 1. greater than 35

✗ 2. less than 35

✓ 3. greater than 50

✗ 4. less than 50

> Question ID : **630680178634**
> Status : **Answered**
> Chosen Option : **1**

Q.63 Identify the INCORRECT option from the following.

The samples of gaseous pollutants may be collected by using any of the following methods:

Ans ✗ 1. absorption

✗ 2. adsorption

✓ 3. beta attenuation monitor

✗ 4. condensation

> Question ID : **630680178701**
> Status : **Answered**
> Chosen Option : **4**

Q.64 Identify the INCORRECT option from the following.

The continuous exposure to carbon monoxide (CO) in elevated concentrations damages the:

Ans ✔ 1. upper part of the respiratory system

✘ 2. visual perception

✘ 3. manual dexterity

✘ 4. mental ability

Question ID : **630680178639**
Status : **Answered**
Chosen Option : **1**

Q.65 Which type of satellite data is extensively used for urban growth assessment studies, municipal planning, utility management and facility management?

Ans ✘ 1. Spatial data

✔ 2. IKONOS data

✘ 3. Temporal data

✘ 4. Statistical data

Question ID : **630680178693**
Status : **Answered**
Chosen Option : **1**

Q.66 Ozone, a secondary pollutant, is considered to be one of the major photochemical oxidants. It contributes approximately _____ in the making up of the oxidant pool.

Ans ✘ 1. 60%

✔ 2. 90%

✘ 3. 70%

✘ 4. 45%

Question ID : **630680178697**
Status : **Answered**
Chosen Option : **3**

Q.67 The suspensions in which the concentration of particles is too high to cause a significant displacement of water as they settle are called _____.

Ans ✔ 1. concentrated suspensions

✘ 2. dilute suspensions

✘ 3. floc suspensions

✘ 4. uniform suspensions

Question ID : **630680178684**
Status : **Answered**
Chosen Option : **3**

Q.68 The amount of incoming solar radiations reflected back into space per m^2 of the Earth's surface is _____.

Ans ✗ 1. 342 W/m^2

✗ 2. 235 W/m^2

✓ 3. 107 W/m^2

✗ 4. 77 W/m^2

Question ID : **630680178629**
Status : **Answered**
Chosen Option : **3**

Q.69 On the basis of GIS applications, the system that depends on time is known as:

Ans ✗ 1. 2-D GIS

✗ 2. 3-D GIS

✓ 3. 4-D GIS

✗ 4. 1-D GIS

Question ID : **630680178719**
Status : **Answered**
Chosen Option : **2**

Q.70 Sulphur dioxide (SO_2), a primary pollutant, is responsible for:

Ans ✗ 1. $\frac{1}{3}$ of the acid rain

✓ 2. $\frac{2}{3}$ of the acid rain

✗ 3. $\frac{1}{2}$ of the acid rain

✗ 4. $\frac{1}{4}$ of the acid rain

Question ID : **630680178603**
Status : **Answered**
Chosen Option : **3**

Q.71 Carbon dioxide, a major greenhouse gas, is responsible for about _____ of the total greenhouse effect caused by all the greenhouse gases (such as CO_2, CH_4, N_2O, CFCs, etc.).

Ans ✗ 1. 30%

✗ 2. 45%

✓ 3. 60%

✗ 4. 70%

Question ID : **630680178604**
Status : **Answered**
Chosen Option : **3**

Q.72 The concentration ratio achieved from a compound parabolic concentrator (CPC) is in the range of:

Ans ✗ 1. 1–3

✓ 2. 3–7

✗ 3. 7–11

✗ 4. 11–30

Question ID : **630680178703**
Status : **Answered**
Chosen Option : **3**

Q.73 *Ex situ* conservation of biodiversity refers to the conservation of species in suitable locations outside their natural habitat, such as:

Ans ✗ 1. national parks

✗ 2. tiger reserves

✓ 3. botanical gardens

✗ 4. sanctuaries

Question ID : **630680178617**
Status : **Answered**
Chosen Option : **3**

Q.74 Industry-induced pollution (including air pollution, water pollution, land pollution and noise pollution) causes health damage of up to:

Ans ✓ 1. 3% to 9%

✗ 2. 10% to 15%

✗ 3. 16% to 20%

✗ 4. 25% to 30%

Question ID : **630680178606**
Status : **Answered**
Chosen Option : **3**

Q.75 A forest is a biotic community predominantly having trees, shrubs and other woody vegetations with a/an:

Ans ✓ 1. closed canopy

✗ 2. partially closed canopy

✗ 3. open canopy

✗ 4. partially open canopy

Question ID : **630680178651**
Status : **Answered**
Chosen Option : **4**

Q.76 In a common effluent treatment plant (CETP) provided for industries, the equalisation tank is designed for hydraulic retention time (HRT) of:

Ans ✗ 1. 2–4 hours

✓ 2. 4–6 hours

✗ 3. 6–9 hours

✗ 4. 9–12 hours

Question ID : **630680178649**
Status : **Answered**
Chosen Option : **2**

Q.77 The gelatinous slimes of bacterial growth known as *schmutzdecke* is formed on:

Ans ✗ 1. the top surface of the sand layer in rapid sand filters

✗ 2. anywhere in rapid sand filters

✓ 3. the top surface of the sand layer in slow sand filters

✗ 4. anywhere in slow sand filters

Question ID : **630680178689**
Status : **Answered**
Chosen Option : **1**

Q.78 As per the Wildlife (Protection) Amendment Act, 2002, who shall be the Chairperson of the National Board for Wildlife?

Ans ✗ 1. President of India

✗ 2. Vice President

✓ 3. Prime Minister

✗ 4. Chief Justice of the Supreme Court

Question ID : **630680178623**
Status : **Answered**
Chosen Option : **1**

Q.79 Which methods are used to obtain population estimates of small mammals (such as, rodents) through baited snap traps?

Ans ✓ 1. Removal methods

✗ 2. Mark recapture methods

✗ 3. Direct contact methods

✗ 4. Species list methods

Question ID : **630680178710**
Status : **Answered**
Chosen Option : **2**

Q.80 The number of species found in a small homogeneous area is referred to as:

Ans ✗ 1. point richness

✔ 2. alpha (α-) richness

✗ 3. beta (β-) richness

✗ 4. gamma (γ-) richness

Question ID : **630680178616**
Status : **Answered**
Chosen Option : **2**

Q.81 The percentage contribution of various air pollutants through road traffic in urban areas is:

Ans ✔ 1. approximately 60% of CO, 42% of NO_x and 40% of HC

✗ 2. approximately 50% of CO, 25% of NO_x and 35% of HC

✗ 3. approximately 45% of CO, 33% of NO_x and 27% of HC

✗ 4. approximately 52% of CO, 32% of NO_x and 45% of HC

Question ID : **630680178605**
Status : **Answered**
Chosen Option : **4**

Q.82 The temperature difference between the surface water and the deeper water of an ocean required for operating OTEC (Ocean Thermal Energy Conversion) power plants should be:

Ans ✔ 1. 20°C or more

✗ 2. 15°C–20°C

✗ 3. 10°C–15°C

✗ 4. 8°C–12°C

Question ID : **630680178656**
Status : **Answered**
Chosen Option : **1**

Q.83 Which of the following Conventions provides a framework for national action and international cooperation for the conservation and wise use of wetlands and their resources?

Ans ✔ 1. Ramsar Convention, 1971

✗ 2. Vienna Convention, 1985

✗ 3. Stockholm Convention, 2001

✗ 4. Basel Convention, 1989

Question ID : **630680178669**
Status : **Answered**
Chosen Option : **1**

Q.84 What is the increase in the average temperature of the globe per decade due to global warming caused by emissions of greenhouse gases?

Ans   ✗ 1. 0.54°C

    ✔ 2. 0.28°C

    ✗ 3. 0.85°C

    ✗ 4. 1.02°C

> Question ID : **630680178628**
> Status : **Answered**
> Chosen Option : **2**

Q.85 Wind power can be categorised into seven classes according to the:

Ans   ✗ 1. wind speed (m/s) and wind direction

    ✔ 2. wind speed and wind power density

    ✗ 3. wind direction and wind density

    ✗ 4. wind speed, wind temperature and wind pressure

> Question ID : **630680178705**
> Status : **Answered**
> Chosen Option : **4**

Q.86 The solar energy reaches the Earth's surface as shortwave electromagnetic radiation in the wavelength band between _____.

Ans   ✗ 1. 0.1 μm and 0.2 μm

    ✗ 2. 0.2 μm and 0.3 μm

    ✔ 3. 0.3 μm and 3.0 μm

    ✗ 4. 3.0 μm and 5.0 μm

> Question ID : **630680178704**
> Status : **Answered**
> Chosen Option : **4**

Q.87 The multiband visible/near-infrared images of vegetated areas show _____ between the near-infrared and visible bands.

Ans   ✔ 1. negative correlation

    ✗ 2. positive correlation

    ✗ 3. both negative and positive correlations

    ✗ 4. no correlation

> Question ID : **630680178695**
> Status : **Answered**
> Chosen Option : **3**

Q.88 As per the provisions of the _____, the Central Government shall take measures to protect and improve the environment by laying down standards about the quality of the environment in its various aspects.

Ans

✗ 1. Air Act, 1981

✗ 2. Water Act, 1974

✗ 3. Forest Act, 1972

✓ 4. Environment (Protection) Act, 1986

> Question ID : **630680178625**
> Status : **Answered**
> Chosen Option : **4**

Q.89 As per the National Building Code of India, 2016, the calorific value of Indian solid waste varies between:

Ans

✗ 1. 1800 and 2000 kcal/kg

✗ 2. 1500 and 1800 kcal/kg

✗ 3. 1000 and 1500 kcal/kg

✓ 4. 800 and 1000 kcal/kg

> Question ID : **630680178657**
> Status : **Answered**
> Chosen Option : **2**

Q.90 Which greenhouse gas has the highest global warming potential (GWP) with reference to carbon dioxide?

Ans

✗ 1. CH_4

✗ 2. CFC-11

✓ 3. SF_6

✗ 4. N_2O

> Question ID : **630680178627**
> Status : **Answered**
> Chosen Option : **2**

Q.91 The Environment (Protection) Act, 1986, has been amended in 1991 and notified in 1992. As per the amendment notification, 1992, every person carrying on any industrial operation or process has to compulsorily submit a report, which is known as:

Ans

✗ 1. environmental impact assessment report

✓ 2. environmental audit report

✗ 3. environmental compliance report

✗ 4. environmental feasibility report

> Question ID : **630680178610**
> Status : **Answered**
> Chosen Option : **1**

Q.92 The values of the Earth's biological resources can be classified into two categories: direct values and indirect values. The values of maintaining water cycles, recharging the groundwater, protecting watersheds and buffering from extreme conditions come under the category of:

Ans

✗ 1.   direct values

✗ 2.   consumptive uses/values

✓ 3.   indirect values

✗ 4.   productive uses/values

> Question ID : **630680178620**
> Status : **Answered**
> Chosen Option : **1**

Q.93 The maximum ozone thickness in the stratosphere found just above the Equator is:

Ans

✓ 1.   500 DU

✗ 2.   400 DU

✗ 3.   300 DU

✗ 4.   200 DU

> Question ID : **630680178699**
> Status : **Answered**
> Chosen Option : **2**

Q.94 The prescribed ambient noise standards for the category of commercial areas are:

Ans

✗ 1.   55 dBA in daytime and 45 dBA at night-time

✓ 2.   65 dBA in daytime and 55 dBA at night-time

✗ 3.   50 dBA in daytime and 40 dBA at night-time

✗ 4.   75 dBA in daytime and 65 dBA at night-time

> Question ID : **630680178607**
> Status : **Answered**
> Chosen Option : **4**

Q.95 In pyrolysis, the energy content of the end-product, that is, oil, is about:

Ans

✗ 1.   12,000 kJ/kg

✗ 2.   15,000 kJ/kg

✓ 3.   23,000 kJ/kg

✗ 4.   18,000 kJ/kg

> Question ID : **630680178663**
> Status : **Answered**
> Chosen Option : **2**

Q.96 The energy passing through the environment as a current or flow without any interception is called:

Ans

✔ 1. green energy

✘ 2. non-renewable energy

✘ 3. non-sustainable energy

✘ 4. wastage of energy

> Question ID : **630680178702**
> Status : **Answered**
> Chosen Option : **1**

Q.97 In the determination of chemical oxygen demand (COD) of a wastewater/effluent sample, the organics are oxidised by potassium dichromate ($K_2Cr_2O_7$) in the presence of:

Ans

✔ 1. sulphuric acid (H_2SO_4)

✘ 2. nitric acid (HNO_3)

✘ 3. hydrochloric acid (HCl)

✘ 4. sulphurous acid (H_2SO_3)

> Question ID : **630680178678**
> Status : **Answered**
> Chosen Option : **1**

Q.98 Two wastewater samples 'X' and 'Y' have pH values 8 and 10, respectively. How much is Sample 'X' more basic than Sample 'Y'?

Ans

✘ 1. twice

✘ 2. 20 times

✘ 3. 200 times

✔ 4. 100 times

> Question ID : **630680178680**
> Status : **Answered**
> Chosen Option : **3**

Q.99 Which EIA method is useful for identification and shifting out of alternative project sites, prior to preparation of a detailed impact analysis?

Ans

✘ 1. Network method

✘ 2. Checklists method

✘ 3. Matrices method

✔ 4. Overlays method

> Question ID : **630680178708**
> Status : **Answered**
> Chosen Option : **2**

Q.100 The Food and Agricultural Organisation (FAO) of the United Nations has estimated that, on an average, the minimum caloric intake on a global scale is:

Ans
- ✓ 1. 2500 calories/capita/day
- ✗ 2. 2250 calories/capita/day
- ✗ 3. 2000 calories/capita/day
- ✗ 4. 1875 calories/capita/day

Question ID : **630680178653**
Status : **Answered**
Chosen Option : **2**

Q.101 The greenhouse effect maintains the Earth's temperature balance and keeps the Earth _____ warmer than it would be without an atmosphere.

Ans
- ✗ 1. 20°C
- ✓ 2. 33°C
- ✗ 3. 288°K
- ✗ 4. 273°K

Question ID : **630680178601**
Status : **Answered**
Chosen Option : **1**

Q.102 When sub-adiabatic conditions (inversion) prevail below the top of the stack and super-adiabatic conditions (unstable) occur at a short distance above the top of the stack, then the expected plume behaviour will be:

Ans
- ✗ 1. lofting
- ✓ 2. looping
- ✗ 3. fumigating
- ✗ 4. coning

Question ID : **630680178700**
Status : **Answered**
Chosen Option : **1**

Q.103 The pollutant predictions based on the Gaussian plume dispersion model should be assumed to be accurate to:

Ans
- ✗ 1. ±98%
- ✗ 2. ±90%
- ✗ 3. ±70%
- ✓ 4. ±50%

Question ID : **630680178633**
Status : **Answered**
Chosen Option : **2**

Q.104 A sound pressure level is measured at a distance of 10 m from the source and is found to be 88 dB. What will be the sound pressure level at a distance of 80 m from the source?

Ans

✗ 1. 82 dB

✗ 2. 76 dB

✔ 3. 70 dB

✗ 4. 79 dB

Question ID : **630680178650**
Status : **Answered**
Chosen Option : **2**

Q.105 Identify the INCORRECT option from the following.

The percentage of the soil volume occupied by pore spaces is called porosity of soil, which controls:

Ans

✔ 1. nitrogen fixation

✗ 2. hydration

✗ 3. aeration

✗ 4. penetration

Question ID : **630680178675**
Status : **Answered**
Chosen Option : **3**

Q.106 Enteric fever, a water-borne bacterial disease, is caused by:

Ans

✔ 1. *Salmonella typhi*

✗ 2. *Giardia lamblia*

✗ 3. *Shigella*

✗ 4. *Vibrio comma*

Question ID : **630680178646**
Status : **Answered**
Chosen Option : **1**

Q.107 Which type of chemical precipitation process is normally used for the removal of high magnesium hardness?

Ans

✗ 1. Ion exchange

✗ 2. Zeolite process

✗ 3. Re-carbonation

✔ 4. Split treatment

Question ID : **630680178690**
Status : **Answered**
Chosen Option : **2**

Q.108 The fungi that grow in soil-burnt areas are known as:

Ans   ✗ 1.   coraciiform

      ✗ 2.   *Ceanothus*

      ✓ 3.   pyrophilous

      ✗ 4.   *Arctostaphylos*

Question ID : **630680178673**
Status : **Answered**
Chosen Option : **3**

Q.109 Which EIA method is applied for rough assessment of the total impact, giving broad areas of possible impacts, such as no effect, short term or long term, reversible or irreversible, etc.?

Ans   ✗ 1.   Matrices method

      ✓ 2.   Adhoc method

      ✗ 3.   Overlays method

      ✗ 4.   Network method

Question ID : **630680178707**
Status : **Answered**
Chosen Option : **3**

Q.110 The hand carts, with 4–6 detachable containers, used for collection of municipal solid waste should have capacity of:

Ans   ✗ 1.   15–20 litres each

      ✗ 2.   20–25 litres each

      ✓ 3.   30–40 litres each

      ✗ 4.   10–20 litres each

Question ID : **630680178660**
Status : **Answered**
Chosen Option : **2**

Q.111 If a 2% sewage sample is incubated for 5 days at 20°C and the dissolved oxygen depletion is 6 mg/l, then the BOD_5 of the sample will be:

Ans   ✗ 1.   200 mg/l

      ✗ 2.   250 mg/l

      ✓ 3.   300 mg/l

      ✗ 4.   500 mg/l

Question ID : **630680178679**
Status : **Answered**
Chosen Option : **3**

Q.112 The chemical precipitation process in which insoluble carbonates combine with carbon dioxide to form soluble bicarbonates is termed as:

Ans ✔ 1. re-carbonation process

✗ 2. carbonation process

✗ 3. dual carbonation process

✗ 4. de-carbonation process

Question ID : **630680178687**
Status : **Answered**
Chosen Option : **1**

Q.113 Which form of nitrogen in the infant's blood is responsible for bluish discolouration of the body?

Ans ✗ 1. Ammonia nitrogen

✔ 2. Nitrate nitrogen

✗ 3. Nitrite nitrogen

✗ 4. Organic nitrogen

Question ID : **630680178647**
Status : **Answered**
Chosen Option : **2**

Q.114 The seed banks are an efficient and effective method of conservation of the plants whose seeds are suitable for long-term (100 years) storage at a temperature of:

Ans ✗ 1. $-5°C$

✔ 2. $-20°C$

✗ 3. $0°C$

✗ 4. $4°C$

Question ID : **630680178619**
Status : **Answered**
Chosen Option : **1**

Q.115 The animals which occupy microhabitats, where temperature and light changes are negligible at most, are termed as:

Ans ✗ 1. crepuscular species

✗ 2. nocturnal species

✔ 3. arrhythmic species

✗ 4. diurnal species

Question ID : **630680178671**
Status : **Answered**
Chosen Option : **3**

Q.116 The amount of time taken by a sensor to return to a previously imaged location is referred to as:

Ans
- ✗ 1. radiometric resolution
- ✔ 2. temporal resolution
- ✗ 3. spatial resolution
- ✗ 4. spectral resolution

Question ID : **630680178716**
Status : **Answered**
Chosen Option : **3**

Q.117 Which type of speciation occurs in populations on the edge (perimeter) of a species range, which become isolated and evolve divergently to create a new species?

Ans
- ✔ 1. Peripatric speciation
- ✗ 2. Allopatric speciation
- ✗ 3. Geographical speciation
- ✗ 4. Parapatric speciation

Question ID : **630680178612**
Status : **Answered**
Chosen Option : **4**

Q.118 With respect to eutrophication in water bodies, which of the following statements is INCORRECT?

Ans
- ✗ 1. It inhibits growth of other algae and plants.
- ✗ 2. It makes the survival of aquatic life very hard.
- ✗ 3. It releases toxins in water bodies.
- ✔ 4. It enhances the availability of light and oxygen in the lower region of a water body.

Question ID : **630680178602**
Status : **Answered**
Chosen Option : **1**

Q.119 The potential difference produced by a single PV cell of 4 cm^2 size is about:

Ans
- ✗ 1. 0.2–0.3 volts
- ✗ 2. 0.3–0.4 volts
- ✔ 3. 0.4–0.5 volts
- ✗ 4. 0.5–0.8 volts

Question ID : **630680178655**
Status : **Answered**
Chosen Option : **2**

Q.120 The gentle stirring of water to keep all the solids in suspension and to promote collision between destabilised particles and between particles and the floc is termed as:

Ans

✗ 1. stabilisation operation

✗ 2. re-stabilisation operation

✓ 3. flocculation operation

✗ 4. coagulation process

Question ID : **630680178685**
Status : **Answered**
Chosen Option : **3**

Section : **General Aptitude**

Q.1 A man deposited ₹10,000 at simple interest for 5 years in a bank at 12% p.a. What amount will he get after 5 years?

Ans

✓ 1. ₹16,000

✗ 2. ₹10,600

✗ 3. ₹6,000

✗ 4. ₹12,000

Question ID : **630680143036**
Status : **Answered**
Chosen Option : **1**

Q.2 The equation of the sphere having centre(-1,-2,-3) and radius 3 units is:

Ans

✗ 1. $x^2 + y^2 + z^2 - x - 2y - 3z + 5 = 0$

✗ 2. $x^2 + y^2 + z^2 + x + 2y + 3z + 5 = 0$

✗ 3. $x^2 + y^2 + z^2 - 2x - 4y - 6z + 5 = 0$

✓ 4. $x^2 + y^2 + z^2 + 2x + 4y + 6z + 5 = 0$

Question ID : **63068077863**
Status : **Answered**
Chosen Option : **3**

Q.3 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.
BAZ, FED, JIH,?,RQP

Ans

✓ 1. NML

✗ 2. LMN

✗ 3. NOP

✗ 4. LON

Question ID : **63068050873**
Status : **Answered**
Chosen Option : **1**

Q.4   Which of the following types of music is free improvisation, not restricted by meaningful words and Tala?

Ans   ✗ 1. Carnatic

      ✗ 2. Classical

      ✓ 3. Anibaddha

      ✗ 4. Semi-classical

Question ID : **630680142991**
Status : **Answered**
Chosen Option : **1**

Q.5   The retailer fixes the price of an item at ₹2,000. After giving successive discounts of 5%, 10% and 30% he gains 33%. What is the cost price of the item?

Ans   ✗ 1. ₹1,100

      ✓ 2. ₹900

      ✗ 3. ₹1,670

      ✗ 4. ₹1,450

Question ID : **63068076107**
Status : **Answered**
Chosen Option : **3**

Q.6   The Indian Constitution is:

Ans   ✗ 1. as rigid as the American Constitution

      ✗ 2. as flexible as the British Constitution

      ✓ 3. neither rigid nor flexible, but a synthesis of both

      ✗ 4. the most flexible Constitution in the world

Question ID : **630680143007**
Status : **Answered**
Chosen Option : **3**

Q.7   Reeta and Geeta started running from points P and Q, at the same time, towards each other. If the speeds of Reeta and Geeta are 20m/s and 25m/s, respectively, and they meet after 20 minutes, then the distance between P and Q is equal to

Ans   ✗ 1. 48 km

      ✓ 2. 54 km

      ✗ 3. 50 km

      ✗ 4. 52 km

Question ID : **630680108598**
Status : **Answered**
Chosen Option : **2**

Q.8   Which state in the South-Western Plateau Region contains deposits of monazite and thorium, bauxite clay?

Ans   ✗ 1. Karnataka

      ✗ 2. Goa

      ✓ 3. Kerala

      ✗ 4. Tamil Nadu

Question ID : **63068069427**
Status : **Answered**
Chosen Option : **3**

Q.9 The two-step concept of attitude change was proposed by which of the following personalities?

Ans ✗ 1. FW Taylor

✗ 2. Fritz Heider

✓ 3. SM Mohsin

✗ 4. DN Sinha

Question ID : 630680178354
Status : **Answered**
Chosen Option : **2**

Q.10 The average of 10,20,30,40,50 is:

Ans ✗ 1. 15

✗ 2. 20

✗ 3. 25

✓ 4. 30

Question ID : 63068071010
Status : **Answered**
Chosen Option : **4**

Q.11 In a certain coded language,
"football is tough game" is coded as "4139"
"cricket is easy" is coded as "518"
"tough game requires practice" is coded as "9624"
"practice makes game easy" is coded as "2487"
What is the code for "football"?

Ans ✗ 1. 4

✓ 2. 3

✗ 3. 1

✗ 4. 9

Question ID : 630680108342
Status : **Answered**
Chosen Option : **2**

Q.12 _____ was launched on November 14, 2004 in 150 most backward districts of the country with the objective to intensify the generation of supplementary wage employment

Ans ✓ 1. The National Food for Work Programme

✗ 2. The Rural Employment Generation Programme

✗ 3. The National Rural Employment Guarantee Bill

✗ 4. The Community Development Programme

Question ID : 630680143004
Status : **Answered**
Chosen Option : **3**

Q.13 In which of the following years was the Town Hall in Mumbai built?

Ans ✗ 1. 1901

✗ 2. 1912

✗ 3. 1879

✓ 4. 1833

Question ID : 63068092873
Status : **Answered**
Chosen Option : **1**

Q.14 What is the correct method to calculate the marginal product of a firm?

Ans

✓ 1. $\text{Marginal product} = \dfrac{\text{Change in output}}{\text{Change in input}}$

✗ 2. $\text{Marginal product} = \dfrac{\text{Change in input}}{\text{Change in output}}$

✗ 3. $\text{Marginal product} = \dfrac{\text{Output}}{\text{Input}}$

✗ 4. $\text{Marginal product} = \dfrac{\text{Input}}{\text{Output}}$

Question ID : **63068054253**
Status : **Answered**
Chosen Option : **1**

Q.15 Which of the following terms is most appropriate for a person who can be safely described as favourite teacher, a wise master, an insightful friend, an experienced educator, a seasonal guide, or a guru?

Ans

✗ 1. Leader

✗ 2. Counsellor

✓ 3. Mentor

✗ 4. Charismatic Leader

Question ID : **630680178360**
Status : **Answered**
Chosen Option : **3**

Q.16 When there is trading of goods between two countries, it is called:

Ans

✓ 1. international trade

✗ 2. internal trade

✗ 3. domestic trade

✗ 4. region wise trade

Question ID : **630680137242**
Status : **Answered**
Chosen Option : **1**

Q.17 Vimla's income is 20% less than Veena's income. What percentage of Veena's income is more than Vimla's income?

Ans

✓ 1. 25%

✗ 2. 15%

✗ 3. 20%

✗ 4. 0.25%

Question ID : **63068094340**
Status : **Answered**
Chosen Option : **1**

Q.18 Find the value of $\dfrac{5^{2001} + 5^{1999}}{5^{2000} - 5^{1998}}$.

Ans

✗ 1. $\dfrac{13}{12}$

✓ 2. $\dfrac{65}{12}$

✗ 3. 5

✗ 4. 10

Question ID : **63068068347**
Status : **Answered**
Chosen Option : **2**

Q.19 Which Article of the Constitution states that 'the Supreme Court shall sit in Delhi or in such other place or places, as the Chief Justice of India may, with the approval of the President, from time to time appoint'?

Ans

✗ 1. Article 128

✓ 2. Article 130

✗ 3. Article 132

✗ 4. Article 137

Question ID : **630680132039**
Status : **Answered**
Chosen Option : **3**

Q.20 Select the most appropriate preposition to complete the sentence.

He faced many problems in the course _____ his field survey.

Ans

✗ 1. off

✗ 2. with

✗ 3. for

✓ 4. of

Question ID : **630680124932**
Status : **Answered**
Chosen Option : **4**

Q.21 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 conclusions logically follow(s) from the statements.

Statement:
All cabs are mothers.
All mothers are bassinets.
All bassinets are jugs.

Conclusions:
(I) Some jugs are cabs.
(II) All mothers are cabs.
(III) No mother is cab.

Ans

✓ 1. Only conclusion I follows

✗ 2. Only conclusion II follows

✗ 3. Either conclusion I or conclusion III follows

✗ 4. None of the conclusions follow

Question ID : **630680104967**
Status : **Answered**
Chosen Option : **1**

Q.22 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

(i)Globalization has accelerated since the 18th century due to advances in transportation and communication technology.
(ii)Globalization, or globalisation is the process of interaction and integration among people, companies, and governments worldwide.
(iii)This increase in global interactions has caused a growth in international trade and the exchange of ideas, beliefs, and culture.
(iv)It is primarily an economic process of interaction and integration that is associated with social and cultural aspects.

Ans ✔ 1. (ii), (i), (iii), (iv)

✘ 2. (i), (ii), (iii), (iv)

✘ 3. (iii), (ii), (iv), (i)

✘ 4. (ii), (iii), (iv), (i)

Question ID : **630680102571**
Status : **Answered**
Chosen Option : **1**

Q.23 A tradesman marks his goods 30% above the cost price. If he allows two successive discounts of 9% each, then what is his profit percent?

Ans ✘ 1. 7.125%

✘ 2. 7.25%

✘ 3. 7.5%

✔ 4. 7.653%

Question ID : **630680101510**
Status : **Answered**
Chosen Option : **4**

Q.24 P is the daughter of E. F is the wife of E. AC is the daughter of P. O is the husband of the daughter of E. Q is the sister of P. How is F related to AC?

Ans ✔ 1. Mother's mother

✘ 2. Father's mother

✘ 3. Mother's sister

✘ 4. Daughter's daughter

Question ID : **630680143016**
Status : **Answered**
Chosen Option : **4**

Q.25 The monthly income of two persons is in the ratio 4 : 5 and their expenditures are in the ratio 7 : 9. If each saves ₹50 per month, then their monthly income in ₹ is:

Ans ✔ 1. 400, 500

✘ 2. 700, 900

✘ 3. 500, 900

✘ 4. 400, 700

Question ID : **630680103629**
Status : **Answered**
Chosen Option : **1**

Q.26 **Select the most appropriate option to fill in the blank.**

Harry is an introvert boy but his sister is _____ girl who likes to make new friends.

Ans ✅ 1. a sociable

❌ 2. a sad

❌ 3. a flabbergasted

❌ 4. an aware

Question ID : **630680129797**
Status : **Answered**
Chosen Option : **1**

Q.27 **Who among the following personalities was elected as the first Premier of Madras Presidency in 1937?**

Ans ❌ 1. Bankim Chandra Chattopadhyay

✅ 2. Chakravarti Rajagopalachari

❌ 3. Dadabhai Naoroji

❌ 4. Durgabhai Deshmukh

Question ID : **630680114124**
Status : **Answered**
Chosen Option : **3**

Q.28 **What does the Svedberg unit stand for?**

Ans ❌ 1. Cell movement

❌ 2. Cell shape

✅ 3. Sedimentation coefficient

❌ 4. Electron movement

Question ID : **63068099092**
Status : **Answered**
Chosen Option : **2**

Q.29 A pump can fill an overhead tank with water in $2\frac{1}{3}$ hours. Because of a leak, it takes $3\frac{1}{2}$ hours to fill the tank. The leak can drain all the water of the tank in:

Ans ✅ 1. 7hours

❌ 2. 12hours

❌ 3. 15hours

❌ 4. 21hours

Question ID : **630680101828**
Status : **Answered**
Chosen Option : **3**

Q.30 **Soldiers Piyush and Meghan are standing in a row of male soldiers. Piyush is 18th from the left side of the row, and Meghan is 24th from the right side of the row. If they interchange their positions, Piyush becomes 31st from left. Find the new position of Meghan from the right side?**

Ans   ✗ 1. 31

          ✗ 2. 33

          ✗ 3. 35

          ✓ 4. 37

Question ID : **63068082540**
Status : **Answered**
Chosen Option : **4**