DELHI METRO RAIL CORPORATION LTD.

(Metro Bhawan, Fire Brigade Lane, Barakhamba Road, Delhi-110001)

Roll No:	
Participant Name:	
Test Center Name:	
Test Date:	18/04/2018
Test Time:	4:30 PM - 6:45 PM
Subject:	Jr. Engineer Civil CNE03

Section : **Domain**

Q.1 The process in which glass is subjected to heating and slow cooling is:

Question ID : **5121161891**

Ans

✗ 1. Cracking

✗ 2. Casting

✗ 3. Pastursation

✓ 4. Annealing

Q.2 To get uniform colour, Terracotta is burnt at a temperature that lies in the range of:

Question ID : **5121161887**

Ans

✓ 1. 1100-1200 °C

✗ 2. 900-1500 °C

✗ 3. 650-850 °C

✗ 4. 4500-4600 °C

Q.3 Toughness index of soil is given as:

Question ID : **5121161923**

Ans

✗ 1. $\frac{\text{Liquidity index}}{\text{flow index}}$

✗ 2. $\frac{\text{Consistency index}}{\text{flow index}}$

✓ 3. $\frac{\text{Plasticity index}}{\text{flow index}}$

✗ 4. $\frac{\text{Shrinkage index}}{\text{flow index}}$

Q.4 Fluids that do NOT follow the linear relation between shear stress and rate of deformation are termed as:

Question ID : **5121161934**

Ans

✓ 1. Non-Newtonian fluids

✗ 2. Plastic fluids

✗ 3. Newtonian fluids

✗ 4. Ideal fluids

Q.5 Permissible closing error is expressed as:
(E = closing errors in metres, C = The constant, D = Distance in kilometre)

Question ID : **5121161916**

Ans

✗ 1. $D\sqrt{C}$

✓ 2. $C\sqrt{D}$

✗ 3. $\sqrt{C} \times \sqrt{D}$

✗ 4. $\sqrt{C}/\sqrt{D}$

Q.6 Mechanical efficiency of a turbine is given by:

Question ID : **5121161935**

Ans

✗ 1. Bucket power / water power

✓ 2. Power at Shaft of the turbine / power delivered by water to the runner

✗ 3. Power supplied by the runner / power supplied at the inlet of turbine

✗ 4. Shaft power / bucket power

Q.7 Task for a mason per day to build half brick wall in partition is:

Question ID : **5121161902**

Ans

✗ 1. 8 sq m

✗ 2. 1.25 cu m

✗ 3. 1 cu m

✓ 4. 5 sq m

Q.8 The discharge of a turbine, working under a unit head, is given by:

Question ID : **5121161938**

Ans

✗ 1. $\frac{Q}{H}$

✗ 2. $\frac{Q}{20}$

✓ 3. $\frac{Q}{\sqrt{H}}$

✗ 4. $\frac{Q}{H^{\frac{3}{2}}}$

Q.9 Which of the following boards is made up of wood cellulose?

Question ID : **5121161888**

Ans

✗ 1. Ply wood

✓ 2. Particle board

✗ 3. Batten board

✗ 4. Lamin board

Q.10 _____ percentage of water by weight of cement is required to complete the process of hydration.

Question ID : **5121161880**

Ans

✗ 1. 50%

✗ 2. 15%

✓ 3. 23%

✗ 4. 38%

Q.11 The mechanical efficiency of an impulse turbine is generally between:

Question ID : **5121161940**

Ans

✗ 1. 88-90

✗ 2. 73-75

✗ 3. 48-50

✓ 4. 97-99

Q.12 The time duration (in days) for a crop from the instant of sowing till that of harvesting is called as:

Question ID : **5121161950**

Ans

✓ 1. Crop period

✗ 2. Kor watering

✗ 3. Harvesting period

✗ 4. Base period

Q.13 Find the shrinkage ratio of a soil sample whose plastic limit and liquid limit values are 30% and 42%, respectively, and the values of percentage of volume change from liquid limit to dry state and plastic limit to dry state are 35% and 22%, respectively, of dry volume.

Question ID : **5121161921**

Ans
✗ 1. 0.74
✓ 2. 1.083
✗ 3. 0.965
✗ 4. 1.83

Q.14 The power developed by a turbine, working under a unit head, is given by:

Question ID : **5121161936**

Ans
✗ 1. $\frac{P}{H^3}$
✓ 2. $\frac{P}{H^{3/2}}$
✗ 3. $\frac{P}{H}$
✗ 4. $\frac{P}{H^{1/2}}$

Q.15 For a 10-m^3 cement concrete of proportion 1 : 2 : 4, the quantity of cement required is:

Question ID : **5121161903**

Ans
✗ 1. 45 bags
✓ 2. 66 bags
✗ 3. 24 bags
✗ 4. 84 bags

Q.16 The quantity of the drier is limited to _____ in paints.

Question ID : **5121161893**

Ans
✓ 1. 8%
✗ 2. 12%
✗ 3. 4%
✗ 4. 16%

Q.17 When raindrops evaporate before reaching the earth while passing through dry air is called as:

Question ID : **5121161944**

Ans
✗ 1. Snowfall
✗ 2. Sleet
✓ 3. Virage
✗ 4. Drizzle

Q.18 Which of the following is NOT a part of venturi meter?

Question ID : **5121161933**

Ans
✗ 1. Throat
✗ 2. Divergent
✓ 3. Valve
✗ 4. Convergent

Q.19 The mass specific gravity of a fully saturated specimen of clay, having a water content of 36%, is 1.86. On oven drying, the mass specific gravity drops to 1.72. Then the specific gravity of clay is:

Question ID : **5121161920**

Ans
✗ 1. 3.21
✓ 2. 2.69
✗ 3. 2.96
✗ 4. 3.12

Q.20 In the design of a septic tank, total volume of liquid to be considered for the design is equal to _____. (Given, 40 users with per capita waste liquid 0.085 cu m. Consider 25% extra for future expansion.)

Question ID : **5121161897**

Ans

✗ 1. 5.60 cu m

✗ 2. 2.10 cu m

✓ 3. 4.25 cu m

✗ 4. 3.40 cu m

Q.21 In the manufacturing process of bricks, which moulding is not practiced?

Question ID : **5121161886**

Ans

✗ 1. Machine moulding

✗ 2. Table moulding

✓ 3. Automatic moulding

✗ 4. Ground moulding

Q.22 The condition that arise, when image formed by the objective is not in the Plane of Cross hairs is called as:

Question ID : **5121161915**

Ans

✗ 1. Collimation error

✗ 2. Refraction error

✓ 3. Parallax

✗ 4. Personal error

Q.23 Which of the following methods is NOT a type of test to determine the shear strength?

Question ID : **5121161929**

Ans

✗ 1. Triaxial shear test

✓ 2. Three-dimensional consolidation test

✗ 3. Unconfined compression test

✗ 4. Vane shear test

Q.24 As per ISI standards, the optimum number of rain gauges (N) is given by:

Question ID : **5121161948**

Ans

✓ 1. $\left(\frac{C_v}{p}\right)^2$

✗ 2. $\frac{\sqrt{C_v}}{p}$

✗ 3. $\frac{{C_v}^2}{p}$

✗ 4. $\frac{C_v}{p}$

Q.25 On wood surface, varnish is provided for:

Question ID : **5121161882**

A. protected coating
B. glossing the surface
C. intensification of the wood grain

Which of these A, B and C, is true?

Ans

✗ 1. Only B and C

✗ 2. Only B

✗ 3. Only A

✓ 4. A, B and C

Q.26 A structure at the head of a watercourse that is used to release water from a canal is called as:

Question ID : **5121161942**

Ans
- ✔ 1. Outlet
- ✘ 2. Ejector
- ✘ 3. Fall
- ✘ 4. Spillway

Q.27 Which property is enhanced by Tetracalcium Aluminoferrite in cement?

Question ID : **5121161890**

Ans
- ✘ 1. Final setting
- ✘ 2. Initial setting
- ✔ 3. Flash setting
- ✘ 4. Delay in setting

Q.28 As per USBR recommendation, the uplift pressure at toe and heel is given by:

Question ID : **5121161945**

Ans
1. $w \times \frac{(H_t+H_h)}{2}$
2. $w \times H$
3. $w \times \frac{(H_t+H_h)^2}{2}$
4. $w \times (H_t + H_h)$

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.29 Which of the following is NOT a physical property of materials?

Question ID : **5121161892**

Ans
- ✘ 1. Water absorption
- ✘ 2. Bulk density
- ✘ 3. Swelling
- ✔ 4. Abrasion

Q.30 Which of the following types of pressure is NOT considered in designing of a dam?

Question ID : **5121161943**

Ans
- ✘ 1. Uplift pressure
- ✘ 2. Wind pressure
- ✔ 3. Pressure due to live load
- ✘ 4. Pressure due to earthquake

Q.31 The quick method of estimating the building work is:

Question ID : **5121161898**

Ans
- ✔ 1. Centre line method
- ✘ 2. Inner line method
- ✘ 3. End wall method
- ✘ 4. Long and short wall method

Q.32 Which of the following is also called as reaction turbine?

Question ID : **5121161939**

Ans
- ✘ 1. Derize turbine
- ✔ 2. Francis turbine
- ✘ 3. Pelton wheel turbine
- ✘ 4. Delaval turbine

Q.33 In estimation, deduction for opening with small segmental arches are taken as: Question ID : **5121161899**

Ans

✔ 1. $1 \times h \times$ thickness of wall

✘ 2. $(1 \times h + \frac{3}{4} \times 1 \times R) \times$ thickness of wall

✘ 3. $(1 \times h + \frac{2}{3} \times 1 \times R) \times$ thickness of wall

✘ 4. $(1 \times h + \frac{1}{2} \times 1 \times R) \times$ thickness of wall

Q.34 While estimating the painting for flush door, it is taken as: Question ID : **5121161901**

Ans

✘ 1. 1 time of one surface area, for both sides

✘ 2. 3 times of one surface area, for both sides

✘ 3. $2\frac{1}{2}$ times of one surface area, for both sides

✔ 4. 2 times of one surface area, for both sides

Q.35 Soil that has never been subjected to an effective pressure greater than the existing overburden pressure is called: Question ID : **5121161925**

Ans

✔ 1. Normally consolidated

✘ 2. Under-consolidated

✘ 3. Pre-consolidated

✘ 4. Over-consolidated

Q.36 Which of the following statements is **incorrect**? Question ID : **5121161905**

Ans

✘ 1.
Piece work, job work shall be measured in numbers.

✘ 2.
Long and thin works shall be measured in running units.

✘ 3.
Thick work shall be measured in cubic units.

✔ 4.
Shallow, thin works shall be measured in cubic units.

Q.37 The final setting time of ordinary Portland cement should not be more than: Question ID : **5121161922**

Ans

✘ 1. 4 hours

✔ 2. 10 hours

✘ 3. 2 hours

✘ 4. 6 hours

Q.38 The centre of pressure on inclined immersed surface remains valid for the centre of pressure on vertical immersed surface, if the angle (Θ) at immersed surface with liquid surface is: Question ID : **5121161931**

Ans

✘ 1. 0°

✔ 2. 90°

✘ 3. 30°

✘ 4. 45°

Q.39 Which of the following is NOT a type of tubewell? Question ID : **5121161946**

Ans

✘ 1. Slotted

✘ 2. Strainer

3. Cavity

4. Sunken

Q.40 Decay of wood is caused in acid medium if pH is:

Question ID : **5121161928**

Ans

1. Less than 6
2. Less than 5
3. Less than 1
4. Less than 4

Q.41 Which of the following is NOT an accelerator in making concrete?

Question ID : **5121161881**

Ans

1. Sodium Chloride
2. Ammonia
3. Calcium Chloride
4. Formaldehyde

Q.42 Which of the following is the mechanical property of the wood?

Question ID : **5121161879**

Ans

1. Sound conductivity
2. Hardness
3. Heat conductivity
4. Moisture movement

Q.43 Which of the following represents the flow curve graph that is plotted for the liquid limit test of soil?

Question ID : **5121161924**

Ans

1. Volume of soil mass v/s Water content
2. No. of blows v/s Mass of soil
3. Water content v/s Volume of soil mass
4. Water content v/s No. of blows

Q.44 In plane table surveying of three-point problem, the estimation of location of the plane table depends on its position relative to the well-defined points considered for this purpose. Depending on their relative positions, three cases may arise. Which of the following is NOT under this case?

Question ID : **5121161913**

Ans

1. The position of plane table is inside the great triangle
2. The position of plane table lies between the three points of filed
3. The position of plane table is outside the great triangle
4. The position of plane table lies on or near the circumference of the great circle

Q.45 The magnifying power of telescope is equal to the ratio of:

Question ID : **5121161907**

Ans

1. the focal length of the eyepiece to that of the objective
2. the focal length of the telescope to that of the objective
3. the focal length of the objective to that of the telescope
4. the focal length of the objective to that of the eyepiece

Q.46 Which of the following is NOT a type of loss from precipitation? Question ID : **5121161947**

Ans

✔ 1. Evapo-transpiration

✘ 2. Interception

✘ 3. Infiltration

✘ 4. Watershed leakage

Q.47 The formula for centre of pressure for a vertically immersed surface is given by: Question ID : **5121161932**

Ans

✔ 1. $\frac{I_G}{A\bar{x}} + \bar{x}$

✘ 2. $\frac{I_G}{A\bar{x}} - \bar{x}$

✘ 3. $\frac{I_G}{\bar{x}} + A$

✘ 4. $\frac{I_G}{A} + \bar{x}$

Q.48 Which of the following is a device that is used to measure velocity and that works on the principle: "if velocity of flow at a point becomes zero, the pressure there is increased due to conservation of kinetic energy in to pressure". Question ID : **5121161930**

Ans

✘ 1. Mouth piece

✘ 2. Orifice

✔ 3. Pitot tube

✘ 4. Venturi meter

Q.49 Which of the following is the main disadvantage of plane table surveying? Question ID : **5121161912**

Ans

✘ 1.

The plane table survey is generally more rapid and less costlier than most other types of surveys.

✘ 2.

As the instruments used are simple, not much skill for operation of instruments is required. This method of survey requires no field book.

✘ 3.

Only relevant details are located because the map is drawn as the survey progresses. Irrelevant details get omitted in the field itself.

✔ 4.

The method requires large amount of time to be spent in the field.

Q.50 In a closed traverse, the algebraic sum of departure and latitude must be equal to: Question ID : **5121161910**

Ans

✔ 1. 0°

✘ 2. 90°

✘ 3. 180°

✘ 4. 360°

Q.51 For row crops, the most commonly adopted method of surface irrigation is: Question ID : **5121161949**

Ans

✘ 1. Check flooding

✘ 2. Free flooding

✔ 3. Furrow and corrugation irrigation

✘ 4. Base flooding

Q.52 The range of Specific gravity of Granite falls between: Question ID : **5121161889**

Ans

✘ 1. 3.50-4.00

✘ 2. 2.00-2.25

✘ 3. 1.30-1.45

✔ 4. 2.70-2.80

Q.53 The forebearing of a line is 145°30'. What is its backbearing? Question ID : **5121161909**

Ans
✘ 1. 34°30'
✘ 2. 325°60'
✘ 3. 324°30'
✔ 4. 325°30'

Q.54 The grade of coal tar pitch is said to be hard if its softening point lies in the range of: Question ID : **5121161885**

Ans
✘ 1. 45-55
✘ 2. 58-68
✘ 3. 70-80
✔ 4. 82-92

Q.55 The mean diameter of the Pelton wheel is given by: Question ID : **5121161941**

Ans
✘ 1. $\frac{360}{\pi N}$
✘ 2. $\frac{60\ u}{\pi}$
✘ 3. $\frac{60}{\pi N}$
✔ 4. $\frac{60\ u}{\pi N}$

Q.56 _____ is used as a thinner in plastic paints. Question ID : **5121161884**

Ans
✘ 1. An alkali
✘ 2. Oil
✔ 3. Water
✘ 4. Magnesia

Q.57 Which of the following data is NOT required to prepare a work estimate? Question ID : **5121161900**

Ans
✘ 1. Specifications
✘ 2. Rates
✘ 3. Drawing (plan, section, etc.)
✔ 4. Contract document

Q.58 Before painting on metal surfaces, grease is removed by using: Question ID : **5121161883**

Ans
✘ 1. Sand bath
✔ 2. Hot alkaline solution
✘ 3. Acids
✘ 4. Water jet

Q.59 Which of the following is NOT measured in square metre? Question ID : **5121161896**

Ans
✘ 1. Timber roofing
✘ 2. Removing of paint or varnish
✔ 3. Painting furniture

✗ 4. Pointing

Q.60 According to Mohs scale of hardness, the mineral with the least hardness is:

Question ID : **5121161878**

Ans
- ✗ 1. Calcite
- ✓ 2. Talc
- ✗ 3. Gypsum
- ✗ 4. Sandstone

Q.61 The process of determining the elevations of points at short measured intervals along a fixed line such as centre line of railway, highway and canal etc. is known as:

Question ID : **5121161908**

Ans
- ✗ 1. Invert levelling
- ✗ 2. Reciprocal levelling
- ✓ 3. Profile levelling
- ✗ 4. Differential levelling

Q.62 Glacier-deposited soils are known as:

Question ID : **5121161918**

Ans
- ✗ 1. Aeolian
- ✗ 2. Alluvial
- ✗ 3. Residual
- ✓ 4. Till

Q.63 Ashlar stone masonry is measured in:

Question ID : **5121161904**

Ans
- ✗ 1. sq m
- ✗ 2. Running m
- ✓ 3. cu m
- ✗ 4. kg

Q.64 The speed of a turbine, working under unit head, is given by:

Question ID : **5121161937**

Ans
- ✗ 1. $\frac{N}{H}$
- ✗ 2. $\frac{N}{H^3}$
- ✗ 3. $\frac{N}{H^{\frac{3}{2}}}$
- ✓ 4. $\frac{N}{\sqrt{H}}$

Q.65 Irrigation frequency depends upon:

Question ID : **5121161952**

Ans
- ✓ 1. soil, crop and climate
- ✗ 2. soil and crop only
- ✗ 3. soil, crop but not climate
- ✗ 4. soil, crop and fertiliser

Q.66 Type of an error that, under same conditions, will always be of same size and sign is:

Question ID : **5121161914**

Ans
- ✗ 1. Compensating errors
- ✗ 2. Accidental errors

✔ 3. Systematic errors

✘ 4. Random errors

Q.67 Which of the following is NOT a necessity of canal lining?

Question ID : **5121161951**

Ans

✘ 1. Reducing maintenance of canal

✘ 2. Minimising the seepage loss

✔ 3. Reducing the evaporation of water

✘ 4. Retarding the growth of weeds

Q.68 The relation between porosity and void ratio is given by:

Question ID : **5121161919**

Ans

✘ 1. $n = \frac{e}{(1-e)}$

✘ 2. $n = \frac{(1-e)}{e}$

✘ 3. $n = \frac{(1+e)}{e}$

✔ 4. $n = \frac{e}{(1+e)}$

Q.69 In vane shear test, the torque rod is rotated at a uniform speed of:

Question ID : **5121161927**

Ans

✘ 1. 1° per second

✘ 2. 1' per second

✘ 3. 1' per minute

✔ 4. 1° per minute

Q.70 A revised estimate is prepared when the expenditure on a work exceeds, or is likely to exceed, the amount of administrative sanction by more than:

Question ID : **5121161894**

Ans

✔ 1. 5%

✘ 2. 10%

✘ 3. 15%

✘ 4. 20%

Q.71 Which among the following is responsible for establishing permanent benchmarks?

Question ID : **5121161917**

Ans

✘ 1. World Trade Organization

✘ 2. Educational Institutes

✔ 3. Government departments such as PWD, Railway, etc.

✘ 4. Private organisations

Q.72 The operation of levelling in which only backsight and foresight readings are taken at every setup of the level is called _____ levelling.

Question ID : **5121161906**

Ans

✘ 1. compound

✘ 2. profile

✔ 3. fly

✘ 4. reciprocal

Q.73 The process involving decrease in the water content of a saturated soil without replacement of water by air is called as:

Question ID : **5121161926**

Ans

✘ 1. Compaction

2. Stabilisation
3. Vibration
4. Consolidation

Q.74 Surface dressing (cleaning, levelling, stripping, etc. to make access approachable for movement of machinery at intended site) should be measured in:

Question ID : **5121161895**

Ans
1. Per cubic metre
2. Lump sum
3. Per running metre
4. Per square metre

Q.75 Gunter's chain has 100 links, with the total length of:

Question ID : **5121161911**

Ans
1. 66 ft
2. 30 m
3. 100 ft
4. 20 m

Section : **General Awareness**

Q.1 Wagah Border is between:

Question ID : **5121161958**

Ans
1. India and Pakistan
2. India and Bangladesh
3. India and Bhutan
4. India and Myanmar

Q.2 Which Indian state contributes maximum to the GDP of India?

Question ID : **5121161961**

Ans
1. Maharashtra
2. Gujarat
3. Uttar Pradesh
4. Tamil Nadu

Q.3 India and Cambodia inked _____ pacts during the visit of Cambodian PM to New Delhi in Jan 2018.

Question ID : **5121161966**

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

Q.4 Which country is the host nation for the FIFA World Cup 2022?

Question ID : **5121161964**

Ans
1. Russia
2. Germany
3. India
4. Qatar

Q.5 What is internal migration?

Question ID : **5121161956**

Ans
1. Migration of people within the states
2. Migration of people within the country
3. Migration of people between countries

✗ 4.
Migration of people within the union territories

Q.6 What does the Article 25 of the Indian Constitution say?

Question ID : **5121161960**

Ans
✓ 1. Freedom of conscience and free profession, practice and propagation of religion
✗ 2. Prohibition of discrimination on grounds of religion, race, caste, sex or place of birth
✗ 3. Prohibition of traffic in human beings and forced labour
✗ 4. Equality of opportunity in matters of public employment

Q.7 Who wrote the famous novel 'The Guide' which also inspired a movie with the same title?

Question ID : **5121161963**

Ans
✗ 1. Mulk Raj Anand
✓ 2. R. K. Narayan
✗ 3. Amrita Shergil
✗ 4. Ruskin Bond

Q.8 The Treaty of _____ was signed between Shivaji and Raja Jai Singh.

Question ID : **5121161955**

Ans
✓ 1. Purander
✗ 2. Surat
✗ 3. Porbandar
✗ 4. Rajgarh

Q.9 Aurangzeb imprisoned his father Shah Jahan and confined him in _____.

Question ID : **5121161954**

Ans
✗ 1. Lahore Fort
✗ 2. Red Fort, Delhi
✗ 3. Fatehpur Sikri Fort
✓ 4. Agra Fort

Q.10 As per the Economic Survey 2018, agricultural sector in India grew at _____ in 2017-18.

Question ID : **5121161962**

Ans
✓ 1. 2.5%
✗ 2. 4.3%
✗ 3. 1.8%
✗ 4. 6.5%

Q.11 Four languages were officially added to the 8th schedule of the Indian Constitution by the 92nd Amendment of the Constitution. Of these, one is a Sino-Tibetan language. Which is it?

Question ID : **5121161959**

Ans
✓ 1. Bodo
✗ 2. Santhali
✗ 3. Maithili
✗ 4. Dogri

Q.12 Who gave the famous slogan, "You give me blood and I will give you freedom"?

Question ID : **5121161953**

Ans
✓ 1. Subhash Chandra Bose
✗ 2. Bhagat Singh
✗ 3. Mahatma Gandhi

✗ 4. Bal Gangadhar Tilak

Q.13 The word 'Greenwich' in Greenwich Mean Time (GMT) refers to:

Question ID : **5121161957**

Ans

✗ 1. the place where Big Ben is situated in London

✗ 2. a village 100 km from London

✗ 3. Buckingham Palace grounds in London

✓ 4. a borough in London

Q.14 According to New World Wealth Report, India was ranked _____ in the list of the wealthiest countries.

Question ID : **5121161965**

Ans

✗ 1. 2nd

✓ 2. 6th

✗ 3. 8th

✗ 4. 4th

Q.15 Which of these oil/petroleum /gas entities conducted its board meeting offshore for the first time in 2017?

Question ID : **5121161967**

Ans

✗ 1. GAIL

✓ 2. ONGC

✗ 3. HP

✗ 4. IOC

Section : **Quantitative Aptitude**

Q.1 Three bells ring together at 12 a.m. and ring at intervals of 15, 25 and 27 seconds, respectively. After how long will the bells again ring together?

Question ID : **5121161968**

Ans

✗ 1. 11 minutes 25 seconds

✗ 2. 6 minutes 5 seconds

✓ 3. 11 minutes 15 seconds

✗ 4. 7 minutes 15 seconds

Q.2 An observer 1.5 m tall who is 45 m away from a tower observes the angle of elevation of the top of a tower as 30°. What is the height of the tower? ($\sqrt{3} = 1.732, \sqrt{2} = 1.414$)

Question ID : **5121161979**

Ans

✗ 1. 25.98 m

✗ 2. 22.71 m

✗ 3. 21.21 m

✓ 4. 27.48 m

Q.3 Two cars start from two places A and B towards each other with a speed of 60 km/h and 40 km/h, respectively. If they meet after 1.5 hours, what is the distance between A and B?

Question ID : **5121161975**

Ans

✗ 1. 160 km

✗ 2. 165 km

✗ 3. 140 km

✓ 4. 150 km

Q.4 The constant added and subtracted to the quadratic equation $9x^2 + \frac{3}{4}x - \sqrt{2} = 0$ to complete the square is:

Question ID : **5121161982**

Ans

✗ 1. $\frac{1}{8}$

✓ 2. $\frac{1}{64}$

✗ 3. $\frac{9}{64}$

✗ 4. $\frac{1}{4}$

Q.5 B and C can complete a work in 8 days and 24 days respectively. With the help of A, they complete the same work in 4 days. In how many days, A alone can complete the same work?

Question ID : **5121161976**

Ans

✗ 1. 16

✓ 2. 12

✗ 3. 8

✗ 4. 10

Q.6 By selling 54 articles, a shopkeeper loses the selling price of 6 articles. His loss per cent is:

Question ID : **5121161973**

Ans

✗ 1. $\frac{100}{9}\%$

✓ 2. 10%

✗ 3. $\frac{25}{2}\%$

✗ 4. 9%

Q.7 The ratio of the number of girls to the number of boys in a class is 5 : 6. If there were 24 boys, how many girls were there?

Question ID : **5121161970**

Ans

✓ 1. 20

✗ 2. 18

✗ 3. 21

✗ 4. 15

Q.8 A loan of ₹ 15,000 was split into two parts and given at 3% and 4% simple interest per annum, respectively. At the end of 4 years, the borrower paid ₹ 2,000 towards interest for the entire loan. Find the loan amount given at 4%.

Question ID : **5121161971**

Ans

✗ 1. ₹ 12,000

✓ 2. ₹ 5,000

✗ 3. ₹ 3,000

✗ 4. ₹ 10,000

Q.9 $\sin 60° \times \cos 30° = ?$

Question ID : **5121161980**

Ans

✗ 1. $\frac{1}{2}$

✗ 2. $\frac{\sqrt{3}}{2}$

✓ 3. $\frac{3}{4}$

✗ 4. $\frac{1}{\sqrt{3}}$

Q.10 If an article is sold at ₹ 1,900, there is a loss of 5%. What should be the selling price to get a profit of 5%?

Question ID : **5121161972**

Ans

✗ 1. ₹ 2,000

✗ 2. ₹ 2,200

✗ 3. ₹ 2,300

✓ 4. ₹ 2,100

Q.11 Find the HCF of $\frac{1}{8}, \frac{2}{3}$ and $\frac{3}{7}$.

Question ID : **5121161969**

Ans
✗ 1. 1
✗ 2. 2
✗ 3. $\frac{2}{21}$
✓ 4. $\frac{1}{168}$

Q.12 Find the average of the first 10 even numbers.

Question ID : **5121161977**

Ans
✗ 1. 16
✓ 2. 11
✗ 3. 14
✗ 4. 13

Q.13 In what ratio should wheat at ₹ 16 per kg be mixed with wheat at ₹ 25.20 per kg so that the mixture is worth ₹ 22 per kg?

Question ID : **5121161974**

Ans
✓ 1. 8 : 15
✗ 2. 7 : 13
✗ 3. 7 : 15
✗ 4. 8 : 13

Q.14 In an arithmetic progression, if $a_9 = 0$, then $a_9 = 2$ _____.

Question ID : **5121161978**

Ans
1. a_{19}
2. a_{18}
3. a_{15}
4. a_{16}

Note: For this question, discrepancy is found in question/answer. So, This question is ignored for all candidates.

Q.15 The factorised form of $x^2 - y + xy - x$ is:

Question ID : **5121161981**

Ans
✗ 1. $(x-y)(x+y)$
✓ 2. $(x-1)(x+y)$
✗ 3. $(y+1)(x+y)$
✗ 4. $(x+1)(x-y)$

Section : **General Intelligence and Reasoning**

Q.1 If PAPER is called DUSTER, DUSTER is called CHALK, CHALK is called BOARD and BOARD is called DESK, which of the following will you use to write on a blackboard?

Question ID : **5121161994**

Ans
✗ 1. DESK
✗ 2. PAPER
✗ 3. DUSTER
✓ 4. BOARD

Q.2 Shankar went from Town A to Town B. He started his journey facing East. First, he travelled for 3 km to reach the Town Square, where he turned right and continued for 4 km to reach the Toll Plaza. There, he turned left and walked for 3 km to reach Village C. Finally, he turned right and continued for 4 km to reach Town B. To which direction is town B with respect to Town A?

Question ID : **5121161995**

Ans
✗ 1. South-West
✗ 2. North-East
✓ 3. South-East
✗ 4. North-West

Q.3 In a code language, LIME is written as 2154, SEAL as 6432 and SAME as 6354. How is SMILE most likely to be written in that language?

Question ID : **5121161993**

Ans
1. ✗ 56321
2. ✓ 65124
3. ✗ 36142
4. ✗ 24153

Q.4 What will be the value of the expression given below if the sign '−' is interchanged with sign '÷' and the number '6' is interchanged with '4' on the left-hand side?

(72 − 6) ÷ 4 = ?

Question ID : **5121161991**

Ans
1. ✓ 12
2. ✗ 8
3. ✗ 3
4. ✗ 18

Q.5 Select the option that is related to the third term in the same way as the second term is related to the first term.

Mountain : Summit : : Ocean : ?

Question ID : **5121161986**

Ans
1. ✓ Sea bed
2. ✗ Island
3. ✗ Deep diver
4. ✗ Coral

Q.6 In a singing competition, Sharad scored more marks than Tushar, Parth scored more marks than Raj and Umesh scored more than Vinay. If Tushar scored more marks than Umesh and Sharad scored less marks than Raj, who among the given friends scored the highest marks?

Question ID : **5121161987**

Ans
1. ✗ Raj
2. ✗ Vinay
3. ✓ Parth
4. ✗ Sharad

Q.7 Fill in the blank of the following series:

Question ID : **5121161997**

$15, 30, 10, 20, \frac{20}{3}, \frac{40}{3}, _____$

Ans
1. ✓ $\frac{40}{9}$
2. ✗ $\frac{20}{9}$
3. ✗ $\frac{60}{3}$
4. ✗ $\frac{20}{3}$

Q.8 In a code language, NOCTURNAL is coded as TCONULANR. How will PREDICATE be coded in that language?

Question ID : **5121161989**

Ans
1. ✗ DEPRECITE
2. ✗ CAPRITEDE
3. ✓ DERPIETAC
4. ✗ PREDETICE

Q.9 Fill in the blank of the following series:

Question ID : **5121161996**

$10, 20, 5, 10, \frac{5}{2}, 5, \frac{5}{4}, _____$

Ans
1. $\frac{5}{8}$
2. $\frac{5}{2}$
3. $\frac{5}{4}$
4. 5

Q.10 Select the option that is related to the third term in the same way as the second term is related to the first term.

25 : 10 : : 36 : ?

Question ID : **5121161984**

Ans
1. 12
2. 9
3. 15
4. 3

Q.11 Which word CANNOT be formed using letters of the given word not more than the number of times each letter appears in the given word?

DISCIPLINARY

Question ID : **5121161990**

Ans
1. ISLAND
2. RAPIDLY
3. SCARED
4. PLACID

Q.12 Select the option that is related to the third term in the same way as the second term is related to the first term.

12 : 150 : : 14 : ?

Question ID : **5121161985**

Ans
1. 210
2. 196
3. 110
4. 203

Q.13 Six friends, P, Q, R, S, T and U are sitting in a circle facing one another. Each person is seated exactly opposite another one. R does not sit next to T or U. S sits to Q's immediate right. Q is sitting opposite P. U is sitting to T's immediate left. Neither P nor S is sitting opposite R.

Between whom is P sitting?

Question ID : **5121161988**

Ans
1. S and R
2. T and Q
3. T and U
4. R and U

Q.14 The below equations have been solved on the basis of a certain system. Using that same system, solve the given equation:

84 – 12 = 14, 36 – 9 = 8, 96 – 16 = ?

Question ID : **5121161992**

Ans
1. 20
2. 8
3. 32
4. 12

Q.15 Pointing to a photograph, Jawed said, "Zainab is my son-in-law's mother's husband's only son's daughter." How is Zainab related to Jawed?

Question ID : **5121161983**

Ans
1. Daughter
2. Sister-in-law
3. Daughter-in-law
4. Granddaughter

Section : **General English**

Q.1 Identify the part of speech of the underlined word.

Question ID : **5121162004**

Renos loves his job but it is often exhausting.

Ans
✗ 1. Noun
✓ 2. Adjective
✗ 3. Verb
✗ 4. Adverb

Q.2 From the given options, choose the meaning of the underlined phrase in the given sentence:

Question ID : **5121162047**

The auditor carefully went over the accounts statement.

Ans
✗ 1. Asked for
✗ 2. Bypassed
✗ 3. Predicted
✓ 4. Examined

Q.3 Transform the sentence into direct speech:

Question ID : **5121162028**

The Minister said that it gave him great pleasure to be there in that College that afternoon.

Ans
✗ 1.
The Minister said, "It gives me great pleasure to be there in that College this afternoon".
✓ 2.
The Minister said, "It gives me great pleasure to be here in this College this afternoon".
✗ 3.
The Minister said, "It gave me great pleasure to be here in this College this afternoon".
✗ 4.
The Minister said, "It has given me great pleasure to be here in this College this afternoon".

Q.4 Transform the sentence into indirect speech:

Question ID : **5121162024**

The artist said to Sally, "What shall I draw for you?"

Ans
✓ 1.
The artist asked Sally what he should draw for her.
✗ 2.
The artist asked Sally what should I draw for her.
✗ 3.
The artist asked Sally what should he draw for her.
✗ 4.
The artist asked Sally what shall I draw for you.

Q.5 Change the voice of the sentence:

Question ID : **5121162032**

Did you know that milk is often turned sour by thunderstorms?

Ans
✓ 1.
Did you know that thunderstorms often turn milk sour?
✗ 2.
Did you know that thunderstorms often turned milk sour?
✗ 3.
Did you know that thunderstorms had often turned milk sour?

✗ 4.
Did you know that thunderstorms turn milk sour?

Q.6 Transform the sentence into indirect speech: Question ID : **5121162026**

"Are you coming home with me?" Shalini asked.

Ans
✓ 1. Shalini asked me whether I was going home with her.
✗ 2. Shalini had asked me whether I was going home with her.
✗ 3. Shalini has asked me whether I was going home with her.
✗ 4. Shalini is asking me whether I was going home with her.

Q.7 Identify the part of speech of the underlined word. Question ID : **5121162010**

She looked wretched but she sang delightfully at the concert.

Ans
✗ 1. Conjunction
✗ 2. Adjective
✗ 3. Interjection
✓ 4. Adverb

Q.8 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence. Question ID : **5121162057**

No sooner had the Director returned but he was summoned again.

Ans
✗ 1. summoned again.
✓ 2. but he was
✗ 3. No sooner had
✗ 4. the Director returned

Q.9 Identify the part of speech of the underlined word. Question ID : **5121162009**

It was a boring film. We left before the end.

Ans
✗ 1. Adverb
✗ 2. Adjective
✗ 3. Conjunction
✓ 4. Preposition

Q.10 From the given options, choose the correct meaning of the below word. Question ID : **5121162035**

Umbrage

Ans
✗ 1. Major
✗ 2. Point
✗ 3. Sin
✓ 4. Offence

Q.11 From the given options, choose the correct meaning of the below word. Question ID : **5121162039**

Frank

Ans
1. Covert
2. Overt
3. Secret
4. Candid

Q.12 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence.

I can't believe that you have never seen elephant in Kerala.

Question ID : **5121162055**

Ans
1. I can't believe
2. elephant
3. that you have never seen
4. in Kerala.

Q.13 Change the voice of the sentence:

This alligator is fed by the main zoo keeper every day.

Question ID : **5121162029**

Ans
1.
The main zookeeper had fed this alligator every day.
2.
The main zookeeper is feeding this alligator every day.
3.
The main zookeeper fed this alligator every day.
4.
The main zookeeper feeds this alligator every day.

Q.14 Identify the part of speech of the underlined word.

Byju is disappointed that he did so badly in his exams.

Question ID : **5121162005**

Ans
1. Adverb
2. Adjective
3. Conjunction
4. Noun

Q.15 Identify the part of speech of the underlined word.

Let us go for a walk along the beach.

Question ID : **5121162013**

Ans
1. Adjective
2. Conjunction
3. Adverb
4. Preposition

Q.16 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence.

Our dog is still remembering you after so many years.

Question ID : **5121162049**

Ans
1. after so many years.
2. Our dog
3. you
4. is still remembering

Q.17 From the given options, choose the appropriate antonym of the given word:

Question ID : **5121162042**

Resist

Ans
1. ✗ Supervise
2. ✗ Refuse
3. ✓ Submit
4. ✗ Refrain

Q.18 From the given options, choose the correct meaning of the below word.

Question ID : **5121162038**

Vanquish

Ans
1. ✓ Defeat
2. ✗ Empower
3. ✗ Anguish
4. ✗ Fabulous

Q.19 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence.

Question ID : **5121162052**

Did you see moon yesterday? It looked absolutely amazing.

Ans
1. ✗ amazing.
2. ✓ Did you see moon yesterday?
3. ✗ It looked
4. ✗ absolutely

Q.20 Identify the part of speech of the underlined word.

Question ID : **5121162023**

This singer is <u>little</u> known outside his state.

Ans
1. ✓ Adverb
2. ✗ Adjective
3. ✗ Verb
4. ✗ Noun

Q.21 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence.

Question ID : **5121162056**

I don't know nothing whatever of your relationship with that merchant.

Ans
1. ✗ of your relationship
2. ✗ Merchant.
3. ✓ I don't know nothing whatever
4. ✗ with that

Q.22 Transform the sentence into direct speech:

Question ID : **5121162027**

The priest says, "We are all sinners."

Ans
1. ✓ The priest says that we are all sinners.
2. ✗ The priest said that we are all sinners.
3. ✗ The priest says that we were all sinners.
4. ✗ The priest said that we were all sinners.

Q.23

Question ID : **5121162016**

Identify the part of speech of the underlined word.

There is a loose tile somewhere in this room.

Ans
✔ 1. Adverb
✘ 2. Adjective
✘ 3. Preposition
✘ 4. Conjunction

Q.24 Transform the sentence into indirect speech: Question ID : **5121162025**

Samuel said joyfully, "I have passed the IAS exams!"

Ans
✘ 1.
Samuel exclaimed joyfully that he has passed the IAS exams.
✘ 2.
Samuel exclaims joyfully that he had passed the IAS exams.
✔ 3.
Samuel exclaimed joyfully that he had passed the IAS exams.
✘ 4.
Samuel exclaimed joyfully that he passed the IAS exams.

Q.25 Change the voice of the sentence: Question ID : **5121162031**

Some strangers were taking care of the wounded man.

Ans
✘ 1.
The wounded man has been taken care of by some strangers.
✘ 2.
The wounded man is being taken care of by some strangers.
✘ 3.
The wounded man had been taken care of by some strangers.
✔ 4.
The wounded man was being taken care of by some strangers.

Q.26 Identify the part of speech of the underlined word. Question ID : **5121162007**

The clinic sent the blood to the hospital lab.

Ans
✔ 1. Noun
✘ 2. Preposition
✘ 3. Adjective
✘ 4. Verb

Q.27 Identify the part of speech of the underlined word. Question ID : **5121162022**

Hit the ball hard over the net.

Ans
✘ 1. Noun
✘ 2. Verb
✘ 3. Adverb
✔ 4. Preposition

Q.28 Identify the part of speech of the underlined word. Question ID : **5121162014**

You may borrow the cycle <u>provided that</u> you return it before 7pm.

Ans
✗ 1. Pronoun
✗ 2. Preposition
✗ 3. Adverb
✓ 4. Conjunction

Q.29 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence. Question ID : **5121162058**

After deducting last month's interest, you are owing me another thousand rupees.

Ans
✗ 1. another
✗ 2. thousand rupees.
✗ 3. After deducting last month's interest
✓ 4. you are owing me

Q.30 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence. Question ID : **5121162050**

Neither Sunil nor you seem to understand the seriousness of this matter.

Ans
✗ 1. of this matter.
✗ 2. to understand
✓ 3. Neither Sunil nor you seem
✗ 4. the seriousness

Q.31 Change the voice of the sentence: Question ID : **5121162030**

They sell good and luscious banganapalli mangoes in Guntur.

Ans
✗ 1.
Good and luscious banganapalli mangoes are to be sold by them in Guntur.
✗ 2.
Good and luscious banganapalli mangoes is sold by them in Guntur.
✓ 3.
Good and luscious banganapalli mangoes are sold by them in Guntur.
✗ 4.
Good and luscious banganapalli mangoes was sold by them in Guntur.

Q.32 Identify the part of speech of the underlined word. Question ID : **5121162021**

I was annoyed, <u>still</u> I kept quiet.

Ans
✓ 1. Conjunction
✗ 2. Adverb
✗ 3. Adjective
✗ 4. Preposition

Q.33 From the given options, choose the appropriate antonym of the given word: Question ID : **5121162043**

Urbane

Ans
✓ 1. Uncultured
✗ 2. Town
✗ 3. Neutral
✗ 4. Stylish

Q.34 From the given options, choose the meaning of the underlined phrase in the given sentence:

The boy turned a deaf ear to all the advice given by his teachers.

Question ID : **5121162048**

Ans

✗ 1. Watched

✗ 2. Had a hearing problem

✗ 3. Carefully listened

✓ 4. Disregarded

Q.35 Identify the part of speech of the underlined word.

When did you return from Aurangabad?

Question ID : **5121162019**

Ans

✓ 1. Adverb

✗ 2. Adjective

✗ 3. Conjunction

✗ 4. Pronoun

Q.36 Identify the part of speech of the underlined word.

Somehow I always feel sad on rainy days.

Question ID : **5121162008**

Ans

✗ 1. Adverb

✗ 2. Noun

✓ 3. Adjective

✗ 4. Preposition

Q.37 Change the voice of the sentence:

The tsunami destroyed the entire beachfront.

Question ID : **5121162033**

Ans

✗ 1.
The entire beachfront had been destroyed by the tsunami.

✓ 2.
The entire beachfront was destroyed by the tsunami.

✗ 3.
The entire beachfront has been destroyed by the tsunami.

✗ 4.
The entire beachfront is destroyed by the tsunami.

Q.38 Identify the part of speech of the underlined word.

Tapas thanked the officer for his kind act.

Question ID : **5121162018**

Ans

✗ 1. Verb

✗ 2. Adjective

✗ 3. Adverb

✓ 4. Noun

Q.39 Identify the part of speech of the underlined word.

Please go away. My head is aching.

Question ID : **5121162020**

Ans
1. Noun
2. Adverb
3. Verb
4. Preposition

Q.40 From the given options, choose the correct meaning of the below word. Question ID : **5121162037**

Felicity

Ans
1. Grief
2. Felony
3. Minor
4. Happiness

Q.41 From the given options, choose the appropriate antonym of the given word: Question ID : **5121162040**

Affluent

Ans
1. Influence
2. Poor
3. Accurate
4. Mistake

Q.42 From the given options, choose the meaning of the underlined phrase in the given sentence: Question ID : **5121162045**

The South African captain was able to stave off defeat with the help of a patient century.

Ans
1. Prevent
2. Accept
3. Aim at
4. Finish

Q.43 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence. Question ID : **5121162054**

It was a drawn game; neither of the teams were able to score a goal.

Ans
1. neither of the teams were
2. It was
3. a drawn game
4. able to score a goal.

Q.44 Identify the part of speech of the underlined word. Question ID : **5121162006**

I felt sick during the match.

Ans
1. Conjunction
2. Adverb
3. Preposition
4. Verb

Q.45 From the given options, choose the appropriate antonym of the given word: Question ID : **5121162041**

Individual

Ans
1. Special
2. Personal
3. General

✗ 4. Severe

Q.46 From the given options, choose the correct meaning of the below word. Question ID : **5121162034**

Strange

Ans
✓ 1. Queer
✗ 2. Calm
✗ 3. Peaceful
✗ 4. Renowned

Q.47 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence. Question ID : **5121162053**

My daughter is loving to sing and dance during festivals.

Ans
✓ 1. is loving to
✗ 2. My daughter
✗ 3. sing and dance
✗ 4. during festivals.

Q.48 Identify the part of speech of the underlined word. Question ID : **5121162017**

Devi's office is above the new book shop.

Ans
✗ 1. Conjunction
✗ 2. Adverb
✗ 3. Verb
✓ 4. Preposition

Q.49 From the given options, choose the meaning of the underlined phrase in the given sentence: Question ID : **5121162046**

You cannot always go by appearances at an interview.

Ans
✗ 1. Finalise
✗ 2. See
✓ 3. Judge from
✗ 4. Ask for

Q.50 From the given options, choose the correct meaning of the below word. Question ID : **5121162036**

Dexterous

Ans
✗ 1. Wrong
✗ 2. Remarkable
✗ 3. Merciful
✓ 4. Skilful

Q.51 A sentence is divided in four parts, given as options below. Identify the option that indicates the erroneous part of the sentence. Question ID : **5121162051**

Samir is one of the swimmers who have been selected to participate in the National Swimming Championships to be held in Pune.

Ans
✗ 1. Samir is one of the swimmers
✗ 2.
to participate in the National Swimming Championships
✗ 3. to be held in Pune.
✓ 4. who have been selected

Q.52

Identify the part of speech of the underlined word.

Question ID : **5121162015**

The house itself is good, but not the neighbourhood.

Ans
1. Pronoun ✔
2. Adverb ✘
3. Preposition ✘
4. Adjective ✘

Q.53 Identify the part of speech of the underlined word.

Question ID : **5121162012**

Rajiv is acting strangely today.

Ans
1. Adverb ✘
2. Conjunction ✘
3. Verb ✔
4. Preposition ✘

Q.54 From the given options, choose the appropriate antonym of the given word:

Question ID : **5121162044**

Voluntary

Ans
1. Severely ✘
2. Compulsory ✔
3. Generally ✘
4. Probably ✘

Comprehension:

Read the following passage and answer the questions below it.

How large do you think toads are? Even the largest toads probably were not as big as the cane toad. This toad, native to South America and the Caribbean, can weigh as much as four pounds! In 1935, sugar cane farmers in Australia were having a problem with two types of beetles that were destroying their crops. About one hundred cane toads were shipped to Australia from Hawaii. People hoped the toads would be a solution to the problem. Unfortunately, things turned out very differently than they had anticipated. The cane toads quickly became a more annoying pest than the beetles had ever been.

There are several things that make the cane toad so unusual. First of all, the cane toad has almost no natural predators. If the cane toad feels threatened, it will secrete a poisonous liquid. This liquid can kill children and small animals. It can even blind an adult for several hours.

The cane toad is also poisonous in all stages of its life. Fish normally feed on the eggs of frogs and toads, but even the eggs of the cane toad are poisonous. Each pair of cane toads can produce more than 30,000 eggs each season. Because many of the eggs and tadpoles are able to mature, the cane toad population can grow very rapidly.

This is exactly what happened in Australia. Without any predators, there were suddenly thousands of cane toads in the Queensland area. People might have been more tolerant if the animals had been successful in getting rid of the sugar cane beetles. It turned out, however, that the cane toads did not have any effect on the beetles, which could easily fly out of harm's way.

The Australians are not quite sure how to get rid of cane toads. In fact, they continue to spread across the continent. Cane toads eat many types of Australian wildlife. They can also be dangerous to pets and children. Even so, not everyone in Australia hopes that the plans to rid the country of these animals will be successful. Some people even leave food in their backyards or adopt the giant toads as pets!

SubQuestion No : 55

Q.55 Why were cane toads from Hawaii introduced by farmers?

Question ID : **5121161999**

Ans

✗ 1. They were being extinct in Hawaii.

✓ 2. Farmers hoped to get rid of pests such as beetles with their help.

✗ 3. They were huge in size.

✗ 4. They made good pets.

Comprehension:

Read the following passage and answer the questions below it.

How large do you think toads are? Even the largest toads probably were not as big as the cane toad. This toad, native to South America and the Caribbean, can weigh as much as four pounds! In 1935, sugar cane farmers in Australia were having a problem with two types of beetles that were destroying their crops. About one hundred cane toads were shipped to Australia from Hawaii. People hoped the toads would be a solution to the problem. Unfortunately, things turned out very differently than they had anticipated. The cane toads quickly became a more annoying pest than the beetles had ever been.

There are several things that make the cane toad so unusual. First of all, the cane toad has almost no natural predators. If the cane toad feels threatened, it will secrete a poisonous liquid. This liquid can kill children and small animals. It can even blind an adult for several hours.

The cane toad is also poisonous in all stages of its life. Fish normally feed on the eggs of frogs and toads, but even the eggs of the cane toad are poisonous. Each pair of cane toads can produce more than 30,000 eggs each season. Because many of the eggs and tadpoles are able to mature, the cane toad population can grow very rapidly.

This is exactly what happened in Australia. Without any predators, there were suddenly thousands of cane toads in the Queensland area. People might have been more tolerant if the animals had been successful in getting rid of the sugar cane beetles. It turned out, however, that the cane toads did not have any effect on the beetles, which could easily fly out of harm's way.

The Australians are not quite sure how to get rid of cane toads. In fact, they continue to spread across the continent. Cane toads eat many types of Australian wildlife. They can also be dangerous to pets and children. Even so, not everyone in Australia hopes that the plans to rid the country of these animals will be successful. Some people even leave food in their backyards or adopt the giant toads as pets!

SubQuestion No : 56

Q.56 Which of the following statements is NOT true?

Question ID : **5121162002**

Ans

✔ 1. Cane toads were successful in controlling the beetle population.

✘ 2. Cane toads did not have any natural predators.

✘ 3. Cane toads can weigh as much as four pounds.

✘ 4. Cane toads are capable of secreting a highly dangerous poisonous liquid.

Comprehension:

Read the following passage and answer the questions below it.

How large do you think toads are? Even the largest toads probably were not as big as the cane toad. This toad, native to South America and the Caribbean, can weigh as much as four pounds! In 1935, sugar cane farmers in Australia were having a problem with two types of beetles that were destroying their crops. About one hundred cane toads were shipped to Australia from Hawaii. People hoped the toads would be a solution to the problem. Unfortunately, things turned out very differently than they had anticipated. The cane toads quickly became a more annoying pest than the beetles had ever been.

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This is exactly what happened in Australia. Without any predators, there were suddenly thousands of cane toads in the Queensland area. People might have been more tolerant if the animals had been successful in getting rid of the sugar cane beetles. It turned out, however, that the cane toads did not have any effect on the beetles, which could easily fly out of harm's way.

The Australians are not quite sure how to get rid of cane toads. In fact, they continue to spread across the continent. Cane toads eat many types of Australian wildlife. They can also be dangerous to pets and children. Even so, not everyone in Australia hopes that the plans to rid the country of these animals will be successful. Some people even leave food in their backyards or adopt the giant toads as pets!

SubQuestion No : 57

Q.57 What effect did the cane toad have on beetles?

Question ID : **5121162000**

Ans

✗ 1. The beetles stopped destroying sugarcanes.

✓ 2. Not much of an effect at all.

✗ 3. They killed most of the beetles.

✗ 4. The beetles killed several toads.

Comprehension:

Read the following passage and answer the questions below it.

How large do you think toads are? Even the largest toads probably were not as big as the cane toad. This toad, native to South America and the Caribbean, can weigh as much as four pounds! In 1935, sugar cane farmers in Australia were having a problem with two types of beetles that were destroying their crops. About one hundred cane toads were shipped to Australia from Hawaii. People hoped the toads would be a solution to the problem. Unfortunately, things turned out very differently than they had anticipated. The cane toads quickly became a more annoying pest than the beetles had ever been.

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SubQuestion No : 58

Q.58 Which continent forms the setting of the events described in this passage?

Question ID : **5121162003**

Ans

✗ 1. South America

✓ 2. Australia

✗ 3. Asia

✗ 4. Africa

Comprehension:

Read the following passage and answer the questions below it.

How large do you think toads are? Even the largest toads probably were not as big as the cane toad. This toad, native to South America and the Caribbean, can weigh as much as four pounds! In 1935, sugar cane farmers in Australia were having a problem with two types of beetles that were destroying their crops. About one hundred cane toads were shipped to Australia from Hawaii. People hoped the toads would be a solution to the problem. Unfortunately, things turned out very differently than they had anticipated. The cane toads quickly became a more annoying pest than the beetles had ever been.

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The Australians are not quite sure how to get rid of cane toads. In fact, they continue to spread across the continent. Cane toads eat many types of Australian wildlife. They can also be dangerous to pets and children. Even so, not everyone in Australia hopes that the plans to rid the country of these animals will be successful. Some people even leave food in their backyards or adopt the giant toads as pets!

SubQuestion No : 59

Q.59 The figure '30,000' is used in the passage with regard to:

Question ID : **5121162001**

Ans

✗ 1. The number of cane toads found today

✓ 2. The number of eggs produced by a pair of cane toads

✗ 3. The number of cane toads brought from Hawaii

✗ 4. The number of beetles killed by cane toads

Q.60 Identify the part of speech of the underlined word.

Question ID : **5121162011**

I bought some thick glass for the dining table.

Ans

✗ 1. Adjective

✗ 2. Adverb

✗ 3. Preposition

✓ 4. Noun