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Memory Based Paper

2020



Q.1 In case of degraded alkali soil, the leaching of saline-sodic soil occurs and part of exchangeable Na is frequently replaced by_____?

- A. Ca++
- B. Mg++
- C. H+
- D. K+

Q.2 Soils having grey brown upper crust are known as_____?

- A. Saline soil
- B. Saline alkali soil
- C. Sodic soil
- D. Normal soil

Q.3 A combination of contouring and crop rotation, in which alternate rows are constructed perpendicular to the direction of wind and water flow, to prevent soil erosion, is called -

- E. Strip cropping
- F. Mulching
- G. Vegetated waterways
- H. Terracing

Q.4 The specific heat of quartz among the different soil constituents is the_____?

- A. Lowest
- B. Highest
- C. Similar to other constituents
- D. Variable

Q.5 Moisture content of soil at a point where the soil water mass flows under an applied force and fails to retain its shape is known as _____?

- A. Plastic index
- B. Non-Plastic
- C. Lower plastic unit
- D. Upper plastic unit

Q.6 Among the given crops, which crop has the highest percentage of irrigated area?

- A. Rice
- B. Cotton
- C. Green gram
- D. Sugarcane

Q.7 The available water retained in soil is between_____?

- A. 0 to 2 bar
- B. $r-1$ to $-1/4$ bar
- C. 18 to 35 bar

D. -1/3 to -15 bar

Q.8 Plants absorb nickel in the form of-

- A. Ni+
- B. Ni2+
- C. Ni3+
- D. Ni-

Q.9 In covering a distance of 30 km, Abhay takes 2 hours more than Sameer. If Abhay doubles his speed, then he would take 1 hour less than Sameer. Abhay's speed is:

- A. 5 kmph
- B. 6 kmph
- C. 6.25 kmph
- D. 7.5 kmph

Q.10 The soils having EC < 4 dsm-1, ESP > 15 and pH more than > 8.5 the soils is__?

- A. Saline
- B. Alkali
- C. Saline Alkali
- D. Degraded alkali

Q.11 Which of the given is considered to be of agricultural importance?

- A. Hirudinea sp
- B. Culex sp
- C. Pheritima sp
- D. Hydre sp

Q.12 The ratio of weight of unit volume of dry soil including pore spaces to weight of an equal volume of water is:

- A. Real specific gravity
- B. Particle density
- C. Wet bulk density
- D. Apparent specific gravity

Q.13 A rise either in real output (GDP) or in real output per capita is named__?

- A. Economic development
- B. Economic efficiency
- C. Economic growth
- D. Growth rate

Q.14 From the below options, more relative humidity is harmful for?

- A. Sunflower
- B. Tobacco
- C. Maize

D. Sunflower and Tobacco both

Q.15 Deficiency of NITROGEN yellowing of leaf in a plant appears on____?

- A. Upper leaf**
- B. Lower leaf**
- C. Middle leaf**
- D. Whole plant**

Q.16 Identify the microb which also controls the plant disease.

- A. Thiobacillus**
- B. Lactobacillus**
- C. Pseudomonas**
- D. Orthobacter**

Q.17 The general relative order of Anion exchange is____?

- A. $\text{NO}_3^- > \text{OH}^- > \text{H}_2\text{PO}_4^- > \text{SO}_4^{2-}$**
- B. $\text{OH}^- > \text{H}_2\text{PO}_4^- > \text{SO}_4^{2-} > \text{NO}_3^-$**
- C. $\text{SO}_4^{2-} > \text{NO}_3^- > \text{OH}^- > \text{H}_2\text{PO}_4^-$**
- D. $\text{H}_2\text{PO}_4^- > \text{SO}_4^{2-} > \text{NO}_3^- > \text{OH}^-$**

Q.18 Yield advantage is higher than the pure crops in this type of intercropping system:

- A. Parallel cropping**
- B. Companion cropping**
- C. Multi-storey cropping**
- D. Synergistic cropping**

Q.19 What is the pF value of saturated soil and oven dry soil?

- A. 0 and 15**
- B. 0 and 7**
- C. 1 and 18**
- D. 1 and 9**

Q.20 The specific heat of quartz among the different soil constituents is the____?

- A. Lowest**
- B. Highest**
- C. Similar to other constituents**
- D. Variable**

Q.21 The ratio between organic N and S in crop residue generally ranges between____?

- A. 5-10:1**
- B. 10-15:1**
- C. 15-20:1**
- D. 20-25:1**

Q.22 Which of the given method of measurement of soil moisture is considered as check for all other methods?

- A. Electrical conductivity method
- B. Tensiometer method
- C. Gravimetric method
- D. Neutron probe method

Q.23 Diagnosis and Recommendation Integrated System approach was provided by___?

- A. Mitectierlich's
- B. Beaufils
- C. Liebig's
- D. Wallace

Q.24 Which of the following is appropriate for a clay soil?

- A. Sand < 45% Silt < 40% Clay = 40%
- B. Sand > 45% Silt < 40% Clay < 40%
- C. Sand < 45% Silt > 40% Clay > 45%
- D. None of these

Q.25 Which one of the following statement/ option is correct about the crop rotation?

- A. The leguminous crop should be grown after leguminous crops
- B. More exhaustive crops should be followed by highly exhaustive crops
- C. Crops having shallow roots should be succeeded by deep-rooted crops
- D. The crops of same botanical family should be grown continuously

Q.26 Estimate the percent moisture in a given SAMPLE:

Weight of moist soil + box = 200 gm Weight of oven dry soil + box = 160 gm Weight of empty box - 50 gm

- A. 22.22%
- B. 40.60%
- C. 36.36%
- D. 36.84%

Q.27 Which of the following crops can yield highest quantity of green fodder?

- A. Lucerne
- B. Oats
- C. Berseem
- D. Senji

Q.28 Which of the following component of a Farm Pond is useful for letting out the excess water from the pond?

- A. Storage Area
- B. Earthen Dam

- C. Mechanical Spillway
- D. Emergency spillway

Q.29 How much boron concentration (mg/kg) is unsafe for plant growth?

- A. 1.5 mg/kg
- B. 0.75 -1.5mg/kg
- C. 0.7-0.25 mg/kg
- D. <0.2 mg/kg

Q.30 If wire is formable but soil mass is easily deformable, then the soil is_____?

- A. Non-plastic
- B. Plastic
- C. Slightly plastic
- D. Very plastic

Q.31 Trichoderma viride, a bioagent to control some diseases in crop plants, acts as:

- A. Herbicide
- B. Bactericide
- C. Nematicide
- D. Fungicide

Q.32 The heat transfer rate in solid agricultural products of any shape is called____?

- A. Mass density
- B. True Density
- C. Bulk density
- D. Mass diffusivity

Q.33 Sunhemp should be planted at what distance (in cm) to raise fibre crop?

- A. $30 \times (7-10)$
- B. $30 \times (7-15)$
- C. $30 \times (7-20)$
- D. $3 \times (7-10)$

Q.34 What is the process involved in aminization during Nitrogen mineralization?

- A. Conversion of inorganic Nitrogen to Organic Nitrogen
- B. Decomposition of proteins into amines, aminoacids and urea
- C. Amines and aminoacids are decomposed into ammonia
- D. Conversion of ammonia to nitrite and nitrate

Q.35 Interceptor drain helps to control water logging by____?

- A. Lowering the water table
- B. Preventing subsoil water from reaching the area
- C. Allowing vertical drainage
- D. Draining out excess water to the natural drain

Q.36 Which one of the following statements is incorrect in case of surface retention of crop residues (mulching)?

- A. Thermo regulation of soils
- B. Reduced evaporation
- C. Increased water requirement of crops
- D. Mitigate terminal heat

Q.37 If azolla is grown in rice field along with rice crop, then how much nitrogen is fixed by azolla in rice field ?

- A. 10-20 kgN/ha
- B. 20-30 kgN/ha
- C. >50kgN/ha
- D. 30-40 kgN/ha

Q.38 Who introduced the term "New Systematic"?

- A. De Candolle
- B. Turril
- C. Linnaeus
- D. Julian Huxley

Q.39 High solidity wind rotor works on____?

- A. Drag force
- B. Lift force
- C. Both Lift and Drag force
- D. Gravity force

Q.40 In the Universal Soil Loss Equation, the soil erodability factor K is____?

- A. Measure of the susceptibility of soil particles to detachment and transport
- B. Slope length gradient factor
- C. Crop management factor
- D. Rainfall-runoff factor

Q.41 What is the example of alleles is?

- A. AB and Tt
- B. TT and Tt
- C. T and t
- D. X and Y

Q.42 Safflower is which season crop?

- A. Kharif
- B. Rabi
- C. Zaid

D. All of these

Q.43 Which of the following represents the purity or strength of colour in Munsell colour chart ?

- A. Hue**
- B. Value**
- C. Chroma**
- D. Hue and Value both**

Q.44 Watershed is a -

- A. Hydrological entity contributing runoff to a common point.**
- B. Hydrological entity receiving runoff to a single point.**
- C. Hydrological entity receiving runoff from multi-inlet runoff**
- D. Hydrological entity distributing runoff from common inlet.**

Q.45 Irrigation is scheduled at IW/CPE ratio of 0.8 and the crop is irrigated to a depth of 5.0 cm when the CPE is-

- A. 5.25 cm**
- B. 6.25 cm**
- C. 7.25 cm**
- D. 8.25 cm**

Q.46 The process of conversion of organic form to inorganic form (mineral form) of nutrient element is called____?

- A. Nitrification**
- B. Denitrification**
- C. Mineralization**
- D. Volatilization**

Q.47 The most sensitive stage of rice to soil moisture stress is____?

- A. Panicle initiation**
- B. Booting**
- C. Early heading**
- D. Flowering**

Q.48 How many principles are there for plant distribution?

- A. 2**
- B. 5**
- C. 8**
- D. 16**

Q.49 Among the given crops, which crop has the highest percentage of irrigated area?

- A. Rice**
- B. Cotton**

- C. Green gram
- D. Sugarcane

Q.50 The available water retained in soil is between____?

- A. 0 to 2 bar
- B. -1 to -1/4 bar
- C. 18 to 35 bar
- D. -1/3 to -15 bar

Q.51 Plants absorb nickel in the form of-

- A. Ni+
- B. Ni2+
- C. Ni3+
- D. Ni-

Q.52 In the presence of silica, lime and other salts in soil, the soil appears like____?

- A. Dark coloured
- B. Brown coloured
- C. Red coloured
- D. Light coloured

Q.53 The percentage of N, P2O5 and K2O (approximately) in Farm Yard Manure (FYM) is____?

- A. 1.0, 0.6 and 1.0%
- B. 2.0, 1.0 and 0.5%
- C. 0.5, 0.2 and 0.5%
- D. 3.0, 2.0 and 1.0%

Q.54 Genetic traits of seeds are noted as follows, L = long, l = short, w = wrinkled, W = smooth Y = yellow, y = white, R = ribbed, r = grooved. Which of the following is the genotype for a short, wrinkled, yellow, grooved seed?

- A. IIWwyrr
- B. Liwwyrr
- C. Liwwyrr
- D. Lwwyrr

Q.55 The specifications of the wire for transmission of electrical energy should be selected such that:

- A. Low current flow and the resistance of the cable is small
- B. Low current flow and the resistance of the cable is high
- C. High current flow and the resistance of the cable is small
- D. High current flow and the resistance of the cable is high

Q.56 When the Area with nutrient index value is > 2.3, then the nutrient index value is:

- A. High
- B. Medium
- C. Low
- D. Low medium

Q.57 The bacteria responsible for oxidizing Fe^{2+} - Fe^{3+} (ferrous to ferric form) under acidic environment is__?

- A. Pseudomonas
- B. Thiobacillus
- C. Lactobacillus
- D. Orthobacter

**Q.58 What is the equation when water spread area of a sprinkler is given?
where,**

R = Radius of wetted area

d = diameter of nozzle

h = pressure head at nozzle

- A. $R = 1.35 \times \sqrt{dh}$
- B. $R = \sqrt{dh}$
- C. $R = dh$
- D. $R = 1.56 - \sqrt{dh}$

Q.59 For the farm area of 40 ha. followed under single cropping pattern, the suitable size of tractor is__?

- A. 0 to 20 HP
- B. 50 HP
- C. 20 to 25 HP
- D. 35 HP

Q.60 At field capacity the moisture is held with soil water potential at__?

- A. < 1.1 bar
- B. < 0.5 bar
- C. $< 1/3$ bar
- D. $1/3.0$ bar

Q.61 Which of the following element is a part of cytochrome oxidase ?

- A. Mo
- B. Fe
- C. Ge
- D. Mg

Q.62 Which of the following instrument is used for measurement of specific heat?

- A. Micrometer
- B. Calorimeter
- C. Thermometer
- D. Current meter

Q.63 The saline and alkali soils fall in which order ?

- A. Entisol
- B. Alfisol
- C. Molisol
- D. Aridisol

Q.67 With the presence of organic matter and iron oxides in the soil, the colour of soil appears like___?

- A. Red colour
- B. Brown colour
- C. Dark colour
- D. Yellow, red colour

Q.68 Which one of the following insect-pests affects sugarcane crop?

- A. Gurdaspur borer
- B. Gujhia weevil
- C. Gundhi bugs
- D. Pink bollworms

Q.69 Tobacco plant grows and matures rapidly when average temperature is about:

- A. 23 Degree C
- B. 25 Degree C
- C. 27 Degree C
- D. 29 Degree C

Q.70 Optimizing the employment of farm resources on a farm level is known as___?

- A. Macro economics
- B. Agricultural marketing
- C. Production economics
- D. Farm management

Q.71 Hydrographic Survey deals with the mapping of :

- A. Large water bodies
- B. Watershed
- C. Canal system
- D. Movements of clouds

Q.72 By which of the following family tree is represented?

- A. Cladogram
- B. Key
- C. Herbarium
- D. Arboratum

Q.73 The irrigation water contains CO_2 , HCO_3 , Ca^{++} and Mg^{++} ion 1, 4, 2.5 & 1.5. Calculate the RSC (residual sodium carbonate) in irrigation water (mcl-1).

- A. 0.1
- B. 10
- C. 01
- D. 1

Q.74 The best example of multistoried cropping is?

- A. Arhar + Sorghum
- B. Wheat + Mustard
- C. Gram + Lentil
- D. Eucalyptus + Papaya + Berseem

Q.75 The measure of which nutrient's square is found deficient in "Black Soil"?

- A. Iron
- B. Potash
- C. Lime
- D. Nitrogen and Phosphorus

Q.76 Blue green algae are stored in____?

- A. Animalia
- B. Plantae
- C. Protista
- D. Monera

Q.77 In gravimetric process of soil moisture measurement, the soil oven dried at____?

- A. $80^{\circ}\text{-}100^{\circ}\text{C}$
- B. $105^{\circ}\text{-}110^{\circ}\text{C}$
- C. $155^{\circ}\text{-}180^{\circ}\text{C}$
- D. $135^{\circ}\text{-}150^{\circ}\text{C}$

Q.78 Which of the given is not a straight fertilizer?

- A. Nitrogen fertilizer (Urea)
- B. Phosphate fertilizer (SSP)
- C. Potash fertilizer (MOP)
- D. FYM (Farm Yard Manure)

Q.79 Which type of cultivating tool is extensively used for weed control?

- A. Furrower type
- B. Sweep type
- C. Slip nose type
- D. Double point shovel type

Q.80 The promising irrigation technique in rice crop is:

- A. Intermittent irrigation
- B. Flood irrigation
- C. Drip irrigation
- D. Surge irrigation

Q.81 Bacteria responsible for oxidizing NO_2^- , NO_3^- in soils is____?

- A. Nitrosomonas
- B. Nitrobacter somonas
- C. Pseudomonas
- D. Rhizobium

Q.82 Biological Nitrogen Fixation is catalyzed by____?

- A. Cu
- B. Zn
- C. B
- D. Mo

Q.83 The highest enzymatic activity is observed in which size of soil clay particle ?

- A. Clay 50 — 70 μ (Mue)
- B. Clay < 50 μ (Mue)
- C. Clay 70-90 μ
- D. Clay < 90 μ

Q.84 ICBN (International Code of Botanical Nomenclature) is related to terminology of____?

- A. Virus
- B. Bacteria
- C. Plants
- D. Animal

Q.85 The step of mitosis in which chromosomes line up along the equatorial plane of the cell is called____?

- A. Prophase
- B. Metaphase
- C. Anaphase
- D. Telophase

Q.86 Due to deficiency of Zn causes Khaira disease in rice field, the disease caused on rice field appears____?

- A. Necrotic
- B. Yellow coloured
- C. Copper brownish coloured
- D. Reddish coloured

Q.87 Which nutrient stimulate the root growth of plant?

- A. N
- B. P
- C. K
- D. Mn

Q.88 What is opportunity cost ?

- A. Cost of next best alternative foregone
- B. Cost of cultivation
- C. Cost of production
- D. Cost of supplementary enterprise

Q.89 Which one of the following statements is not correct with respect to the criteria for selection of seed for sugarcane?

- A. The top one-third to half portion of cane is best for sowing
- B. Seed for sugarcane should be taken from crop of not more than 10-12 months age
- C. Ratoon crop is suitable for seed purpose
- D. It should be free from diseases

Q.90 The total depth of water required by a crop is known as:

- A. Delta
- B. Duty of water
- C. Cusec
- D. Dead storage

Q.91 Which one of the following element is not essential for plant growth?

- A. Nickle
- B. Sodium
- C. Manganese
- D. Zinc

Q.92 The amount of ferrous sulphate ($FeSO_4 \cdot 7H_2O$) in tons equivalent to 1.0 ton of gypsum to improve soil is____?

- A. 1.80 ton
- B. 0.57 ton
- C. 1.62 ton
- D. 0.80 ton

Q.93 To which hybridisation techniques do the following examples belong to?

Cross between two inbred lines of Maize__

- A. Is a result of Intravarietal Hybridisation.
- B. is a result of Intervarietal Hybridisation.
- C. is a result of Intergeneric Hybridisation.
- D. is a result of Interspecific Hybridisation.

Q.94 The grazing animals can change the type of vegetation by__?

- A. Cross pollination
- B. Selective grazing
- C. Bringing in plant pathogens
- D. Bringing the seeds of other plants

Q.95 Napier X Bajra hybrid is a cross between:

- A. *Pennisetum purpureum* X *Pennisetum glaucum*
- B. *Pennisetum glaucum* X *Pennisetum Americanum*
- C. *Pennisetum americanum* X *Pennisetum glaucum*
- D. *Pennisetum orientale* X *Pennisetum Americanum*

Q.96 Which legume crop fix highest atmospheric Nitrogen?

- A. Groundnut
- B. Cow pea
- C. Clover
- D. Alfalfa

Q.97 Which one of the following is the most productive soil in India?

- A. Red soil
- B. Black soil
- C. Alluvial soil
- D. Calcareous soil

Q.98 What is the rank of Bihar in terms of production of jute among the States of India ?

- A. 1st
- B. 2nd
- C. 3rd
- D. 4th

Q.99 Which of the following states has very little alluvial soil?

- A. Bihar
- B. Madhya Pradesh
- C. Tamil Nadu
- D. Punjab

Q.100 Where is the headquarter of International Fund for Agriculture Development located?

- A. Vienna, Austria
- B. Rome, Italy
- C. New York, USA
- D. Berlin, Germany

Q.101 Mutual Funds are regulated in India by which among the following?

- A. RBI
- B. SEBI
- C. Stock Exchanges
- D. RBI and SEBI both

Q.102 India's rank in rice production in the world is -

- A. 1st
- B. 2nd
- C. 3rd
- D. 4th

Q.103 The most popular fertilizer for foliar application is -

- A. Potassium
- B. Phosphate
- C. Urea
- D. Ammonium

Q.104 In the National Cooperative Development Corporation (NCDC) was established for strengthening the cooperative activities.

1953

1963

1973

1983



Q.105 Which of the following subsequent statement is wrong ?

- A. The production and classification of soil is known as edaphology
- B. Tea, Cassava, Rubber and Cashews grow in Laterite Soil
- C. Laterite soil is a local soil
- D. Red soils are rich in iron

Q.106 From the hydraulic efficiency point of view, the most efficient cross-section of an open channel is -

- A. Parabolic
- B. Trapezoidal
- C. Semi-circular
- D. Rectangular

Q.107 In a hydro-electric plant, spillways are used to____?

- A. To discharge all surplus water
- B. To discharge surplus water on the downstream side of dam
- C. When water is not available in sufficient quantity
- D. None of the above

Q.108 Which of the following type of aquifers is also known as 'Water Table Aquifer'?

- A. Artesian Aquifer
- B. Perched Aquifer
- C. Confined Aquifer
- D. Non-Artesian Aquifer

Q.109 Which is the largest chemical fertilizer producer in India?

- A. Gujarat State Fertilizers & Chemicals Ltd.
- B. Indian Farmers Fertiliser Corporation Limited
- C. Rashtriya Chemicals & Fertilizers Ltd.
- D. Coromande International Ltd.

Q.110 A is 2 years older than B but 1 year younger than C. B is twice as old as D. If D age is 25 years, what is the age (in years) of C ?

- A. 51
- B. 53
- C. 52
- D. 55

Q.111 Sanjay walks 20 km in north direction, then turn in east direction and walks 4 km. Then in which direction he is now with respect to starting point?

- A. North east
- B. West east
- C. South west
- D. South East

Q.112 Complete the series by choosing the right option :

U, O, I, ____?

- 1. E
- 2. C
- 3. S
- 4. G

Complete the series:

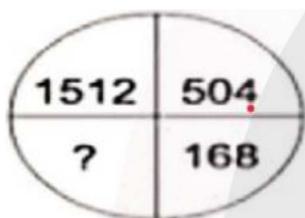
? , Ethane, Propane, Butane

1. Methyl
2. Benzene
3. Methane
4. Octane

Q.113 Introducing Meenakshi, Ramsingh says, "She is the sister of the son of my mother's sister". How is Meenakshi related to Ramsingh ?

- A. Mother
- B. Daughter
- C. Sister
- D. Cousin

Q.114 Select the number which can be placed in the column of question mark sign.



- A. 56
- B. 52
- C. 58
- D. 62

Q.115 Many resorts in the hilly areas were closed in the monsoon season due to increased threat of landslides.

What can be done to promote tourism in monsoon season?

- A. Train the local people of the area to fight any natural disaster
- B. Build resorts in safe areas
- C. Landslides don't occur often and so don't take a serious step
- D. Give discounts during monsoon season

Q.116 Complete the series: 5, 20, 24, 6, 2, 8, ?

- A. 12
- B. 32
- C. 34
- D. 36

Q.117 Read the given statement and answer the question that follows.

Cause: Trees are being cut to build huge houses.

Choose the possible effect of the above cause.

- A. Water consumption has increased
- B. There is scanty rainfall
- C. Roads are narrow
- D. Small houses are cheaper

Q.118 When the printer is sold for Rs. 15000, the owner loses 15%. At what price must that printer be sold in order to gain 15%?

- A. Rs. 60882.35
- B. Rs. 62000.62
- C. Rs. 61230.54
- D. Rs. 59234.23

Q.119 If $4x=40$, $3y=33$, what is the value of $6x+4y$?

- A. 104
- B. 144
- C. 121
- D. 133
- E. 29

Q.120 In covering a distance of 30 km, Abhay takes 2 hours more than Sameer. If Abhay doubles his speed, then he would take 1 hour less than Sameer. Abhay's speed is:

- A. 5 kmph
- B. 6 kmph
- C. 6.25 kmph
- D. 7.5 kmph

Q.121 What is related to Menu as Syllabus is related to Course?

- A. Meal
- B. Diet
- C. Spice
- D. Curry

Q.122 Fill in the blank with the correct option.

I __ in Hyderabad.

- A. have lived
- B. have live
- C. Living
- D. Lives

Q.123 Choose another pair of words with the same relationship as the one given below.

Backstroke: ? :: Bouncer: Cricket

- A. Tennis
- B. Swimming
- C. Hockey
- D. Badminton

Q.124 Choose another pair of words with the same relationship as the one given below.

Wasp: Sting :: Dog: ?

- A. Domestic
- B. Bark
- C. Bite
- D. White

Q.125 Fill in the blank with the correct option.

____ universities offer a wide range of courses for foreign students.

- A. Every
- B. Each
- C. All
- D. Most

Q.126 Select the word/phrase that should replace the emboldened word/phrase to make the given sentence grammatically relevant.

In the bus accident, **five** killed and one injured.

- A. Five killed and one were injured.
- B. Five was killed and one was injured.
- C. Five were killed and one were injured.
- D. Five were killed and one was injured.

Q.127 Three containers have their volumes in the ratio 3: 4: 5, They are full of mixtures of milk and water. The mixtures contain milk and water in the ratio of (4 : 1), (3: 1) and (5: 2) respectively. The contents of all these three containers are poured into a fourth container.

The ratio of milk and water in the fourth container is :

- A. 551:48
- B. 157:53
- C. 4:1
- D. 5:2

Q.128 A train 125 m long passes a man running at 5 km/hr in the same direction in which the train is going, in 10 seconds. The speed of the train is:

- A. 45 km/hr
- B. 50 km/hr
- C. 54 km/hr

D. 55km/hr

Q.129 If $20\% \text{ of } a = b$ and then b is:

- A. $A / 5$
- B. $5a$
- C. $A / 20$
- D. $20a$
- E. None of these

Q.130 Working in a shift of 5 hours 39 workers take 12 days to build a stretch of highway. In how many days will 30 workers working 6 hours a day, complete the work?

- A. 13 days
- B. 30 days
- C. 45 days
- D. 28 days

Q.131 How many values of x and y satisfy the equation $2x + 4y = 8$ & $3x + 6y = 10$.

- A. 1
- B. 2
- C. 0
- D. 16

Q.132 $\{(481 + 426)2 - 4 \times 481 \times 426\} = ?$

- A. 3025
- B. 4200
- C. 3060
- D. 3210

Q.133 Solve: $666/6/3 = ?$

- A. 37
- B. 333
- C. 111
- D. 84
- E. None of these

Q.134 Identify the given logic and complete the series with the correct option.

12, 15, 18, 20, ?

- A. 11
- B. 21
- C. 22
- D. 9

Q.135 Careful is to cautious as boastful is to:

- A. Arrogant
- B. Humble
- C. Joyful
- D. Suspicious

Q.136 In a certain code, '149' means 'eat one bun' ; '178' means 'bun is sweet' and '179' means 'eat sweet bun'. Which digit in that code means "is" ?

- A. 4
- B. 7
- C. 8
- D. 1

Q.137 F is the brother of A, C is the daughter of A, K is the sister of F and G is the brother of C then who is the uncle of G?

- A. C
- B. A
- C. K
- D. None of these

Q.138 Understand the logic in the given words and choose the odd one out.

- A. Bed bug
- B. Beetle
- C. Cricket
- D. Lizard

Q.139 If the code for BRUSHING is SHRUBING then what will be the code for SLEEPING?

- A. EPLINGS
- B. EPLESING
- C. LEEPSING
- D. PLEESING

Q.140 Rearrange the words to form a meaningful sentence-

1. Rather
2. a
3. it
4. was
5. problem
6. difficult

- A. 2-5-3-6-1-4
- B. 2-6-5-3-1-4
- C. 3-4-1-2-6-5
- D. 3-4-2-1-6-5