Memory Based Paper

NABARD Grade A 2023 Phase I Shift 1

FAILURE is not the opposite of success it's PART OF SUCCESS

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Question No.1. What is the scientific name of carnation?
1. Dianthus caryophyllus
2. Tanacetum parthenium
3. Rosa Rubiginosa
4. Lilium
5. Helianthus annuus
Answer : Dianthus caryophyllus
Carnation – scientific name - Dianthus caryophyllus. It is also called grenadine or clove pink, herbaceous plant.

Question No. 2. What is the family of Acacia catechu (Khair)?
1. Leguminosae
2. Gramineae
3. Poaceae
4. Liliaceae
5. None of the above
Answer : Leguminosae
Explanation : Acacia catechu (L.f.) Willd. belongs to the family Fabaceae or Leguminosae (subfamily Mimosoideae) known as Khair or Cutch tree.

Question No. 3. ___ is the type of farming in which ridges and furrows formed across the slope build a continual series of small barriers to the flowing water which reduces the velocity of runoff and thus reduces soil erosion and nutrient loss
1. Contour farming
2. Strip cropping
3. Graded bunding
4. Hilly Farming
5. None of the above
Answer : Contour farming
Explanation : Contour farming is one of the most commonly used agronomic measures for soil and water conservation in hilly agro-ecosystems and sloppy lands. All the agricultural operations viz. plowing, sowing, inter-culture, etc., are practiced along the contour line. The ridges and furrows formed across the slope build a continual series of small barriers to the flowing water which reduces the velocity of runoff and thus reduces soil erosion and nutrient loss.

Question No. 4. A type of cropping in which the two crops, morphologically different grown on same field are grown together and they complement each other __
1. Complementary intensive farming
2. Mixed cropping
3. Intercropping
4. Synergistic cropping
5. Supplementary cropping
Answer : Complementary intensive farming
Explanation :A type of cropping in which the two crops, morphologically different grown on same field are grown together and they complement each other are Complementary intensive farming.

Question No. 5. Which type of soil has the lowest particle density?
1. Clay soil
2. Sandy soil
3. Silt soil
4. Loam soil

5. None of the above

Answer : Sandy soil

Explanation : Textural classes Particle density (g/ cm³)

Coarse sand	2.655
Fine sand	2.659
Silt	2.798
Clay	2.837

Question No. 6. Layers start laying eggs commercially from 18-19 weeks of age till _____ age.

1. 12 months
2. 18 months
3. 36 months
4. 10 months
5. 15 Months

Answer : 18 months

Explanation : Layers start laying eggs commercially from 18-19 weeks of age till 72 weeks (18 months).

Question No.7. A chicken of 8-10 weeks of age, 1.5 to 2kg weight which is fed so as to utilize it for soft, tender meat is known as___

1. Pullet
2. Roaster
3. Broiler
4. Layer
5. Stag

Answer : Broiler

Explanation : Broiler or Fryer: chicken of 8 to 10 weeks of age either sex, having tender meat with soft, pliable smooth textured skin and breastbone cartilage that may be somewhat less flexible than that of the broiler or fryer.

Question No.8.What is the term used for castrated female pig?

1. Gilt
2. Sire
3. Boars
4. Sow
5. Stag

Answer : Gilt

Explanation : Gilt – a young female pig that has not yet had piglets

Barrow – a male pig that has been castrated before sexual maturity

Stag – a male pig that has been castrated after sexual maturity.

Question No. 9. …………. are formed from deposits of pre-existing rocks or pieces of once-living organism that accumulate on the Earth's surface.

1. Metamorphic Rock
2. Intrusive Igneous Rock
3. Extrusive Igneous Rock
4. Sedimentary Rocks
5. All of these

Answer : Sedimentary Rocks

Explanation : Sedimentary rocks are formed from pre-existing rocks or pieces of once-living organisms. They form from deposits that accumulate on the Earth's surface. Sedimentary rocks often have distinctive layering or bedding.

Question No. 10. After the stage of sheet erosion, what is the term used to describe the formation of small, finger-like channels on the soil surface?

1. Rill Erosion
2. Gully Erosion
3. Ravine erosion
4. Splash Erosion
5. None of the above

Answer : Rill Erosion

Explanation : Rill erosion is the type of erosion that occurs as water flows over a hillslope and cuts shallow, curvy channels into the top soil.

Question No. 11. In PMFBY, the threshold yield is calculated by multiplying average yield with ___

1. Indemnity level
2. Premium
3. Actuarial rate
4. Market rate
5. Yield loss

Answer : Indemnity level

Explanation :

$$threshold\ Yield = \frac{Sum[Last\ 7\ Years\ of\ Yield\ (minus\ two\ notified\ calamity\ years\ if\ any)]}{5 - 7\ (as\ the\ case\ may\ be)} \times Level\ of\ Indemnity$$

Question No. 12. Which of the following are included in PM Kisan?

Options :

1. All Institutional land holders
2. A family comprises of father, mother, two children, grandfather and in laws, if they are old.
3. Tenant farmers who work on other's field
4. Centre directly pays 6000 Rs through DBT
5. All are correct

Answer : Centre directly pays 6000 Rs through DBT

Explanation : Pradhan Mantri Kisan Samman Nidhi is an initiative by the government of India that give farmers up to Rs6,000 per year as minimum income support.

Question No. 13. Recently launched UPAg PORTAL is not intended for ___.

1. Data analysis
2. Data standardization
3. Granular production estimates
4. Commodity profile report
5. data circulation

Answer : data circulation

Explanation : UPAg is an advanced agricultural data management platform designed to generate crop estimates and integrate with other systems generating Ågriculture Statistics such as price, Trade, Procurement, Stock etc.

Question No. 14. How many days extra work is provided over and above 100 days for the drought affected areas or natural calamity areas under MGNREGA?

1. 100 days
2. 75 days
3. 50 days
4. 20 days
5. 25 days
Answer : 50 days

Explanation : An additional 50 days of wage employment are provided over and above 100 days in the notified drought affected areas or natural calamity areas in the country on recommendation of the Ministry of Agriculture and Farmers Welfare.

Question No. 15.Under DAY NRLM, what is the limit of collateral free loan for SHGs?

1. 1 Lakh
2. 20 lakh
3. 10 Lakh
4. 15 Lakh
5. 5 Lakh
Answer : 20 lakh

Explanation : The central government has decided to enhance collateral-free loans to them from ?10 lakh to ?20 lakh under the Deendayal Antyodaya Yojana - National Rural Livelihoods Mission (DAY-NRLM).

Question No. 16. Name the dual purpose breed of cattle that belongs to Maharashtra?

1. Deoni
2. Amritmahal
3. Gir
4. Nagori
5. Sahiwal
Answer : Deoni

Explanation : Deoni is dual-purpose cattle breed of Maharashtra, which is a source of livelihood for small and marginal farmers and landless labourers of that area.

Question No. 17. Name the GHG released from volcanic eruptions, animal respiration, human activities etc.

1. CO?
2. Methane
3. Water Vapours
4. sulphur
5. None of the above
Answer : CO_2

Explanation : CO_2 is one of the major GHG that is released volcanic eruptions, animal respiration, human activities.

Question No. 18.Which one of the following is used as biofertilizer in non leguminous crops?
1. Azolla
2. Rhizobium
3. Pseudomonas
4. Actinomycetes
5. Fungi
Answer : Azolla- Azolla is a genus of seven species of aquatic ferns in the family Salviniaceae. It is used as biofertilizer in non leguminous crops.

Question No. 19. What is the tag color of certified seed?
1. Golden Yellow
2. Azure Blue
3. White

4. Orange

5. None of the Above

Answer : Azure Blue

tag color of certified seed is azure blue.

Question No. 20. What is the culturable command area for medium irrigation projects?

Options :

1. <2000 Ha

2. 2000-10000 Ha

3. >10000 Ha

4. all

5. none

Answer : 2000-10000 Ha

Minor irrigation projects -

medium irrigation projects 2000-10000 Ha

Major irrigation projects - >10000 Ha

Question No.21. What is the main objective of Pruning?

1. to maintain specific shape of tree

2. to maintain balance of fruit bearing branches

3. to cut off the diseased parts of plant and maintain vigour

4. to cut the plant to decrease the height

5. None of the above

Answer : to cut off the diseased parts of plant and maintain vigour

Explanation : Pruning can best be used to encourage trees to develop a strong structure and reduce the likelihood of damage during severe weather. Removing broken or damaged limbs encourage wound closure.

Question No. 22. What is the type of farming when the annual rainfall is 750-1150 mm?

1. Dry farming

2. Dryland Farming

3. Rainfed Farming

4. Integrated Farming

5. None of the above

Answer : Dryland Farming

Explanation : Dryland Farming - 750-1150 mm

Question No. 23. Which one the following statement is correct related to drip Irrigation?

1. It increases water wastage

2. It reduces water use efficiency

3. It increases soil erosion and water runoff.

4. it increases the weed population

5. it incurs higher cost and involves higher level designing for installing pipes and outlets

Answer : it incurs higher cost and involves higher level designing for installing pipes and outlets

Explanation : Disadvantages of drip irrigation:

• Expensive initial cost can be more than overhead systems (commercial system)

• The sun can affect the tubes used for drip irrigation, shortening their usable life.

• If the water is not properly filtered and the equipment not properly maintained, it can result in clogging.

Question No. 24. Which parameter describes the soluble salts content in irrigation water and is measured in ds/m?

1. ESP

2. EC

3. pH

4. RSC

5. CEC

Answer : EC

Explanation : Electrical Conductivity – measures the soluble salt in water and soil.

Question No.25. In union budget 2023-24, the budgetary allocation of Livestock sector was ____

1. 10 Lakh crore

2. 5 Lakh Crore

3. 20 Lakh crore

4. 25 Lakh crore

5. None of the above

Answer : 20 Lakh crore

Explanation : In union budget 2023-24, the budgetary allocation of Livestock sector was 20 lakh crore.

Question No. 26. ………… is the process of distributing of vegetables and fruits into different groups according to their size, shape, color, and volume to fetch high prices in the market.

1. Grading

2. Threshing

3. Winnowing

4. Gravity sorter

5. None of the above

Answer : Grading

Explanation : Fruit grading is the process of assessing and sorting different classes or standards of fruit. Size, colour or even softness or defect level can all be used to define different categories.

Question No. 27. How much is the dissolved Oxygen level in fish pond?

1. 5-20 PPM

2. 20-50 PPM

3. >50 PPM

4. <20 PPM

5. None of the above

Answer : 5-20 PPM

Explanation : The favorable dissolved oxygen level for fish culture is between 5 and 20 ppm.

Question No. 28. Which of the following statement is not correct about the forest regenerated by propagation of plants by seeds?

1. Genetic variability is less among the plants

2. Plays a crucial role in reducing the risk of diseases and pests.

3. Promotes biodiversity within forest ecosystems.

4. They are categorized as high forest

5. All of these

Answer : Genetic variability is less among the plants

Explanation :Genetic variability is more among the plants.

Question No. 29. When scientist demonstrate the improved technology in the farmers' field to increase the productivity and have higher yield and economic benefits vis a vis – use of HYV, different cropping system etc. is called as ___

1. Method Demonstration

2. Result Demonstration

3. Front line demonstration

4. Mass method

5. All of them

Answer : Front line demonstration

Explanation : Front Line demonstrations (FLDs) is a unique approach to provide an direct interface between researcher and farmers as the scientists are directly involved in planning, execution and monitoring of the demonstrations for the technologies developed by them and get direct feedback from the farmers' field about the crops like wheat, rice and pulses production in general and technology being demonstrated in particular. This enables the scientists to improvise upon the research programme accordingly.

Question No. 30. When the young one is separated from the mother it is known as _____

1. Culling
2. Weaning
3. Servicing
4. Dehorning
5. Disbudding

Answer : Weaning

Explanation : When the young one is separated from the mother is known as weaning.

Question No. 31. Who recommends the minimum support prices for crops?

1. CACP
2. CCEA
3. Niti Aayog
4. State govt
5. APMCs

Answer : CACP

Commission for Agricultural Costs and Prices is a decentralised agency of the Government of India. It recommends MSP for 22 crops.

Question No. 32. Groundnut seed contains ___ oil and ___ protein.

1. 46%, 26%
2. 40%, 41%
3. 20%, 25%
4. 22%, 24%
5. none of them

Answer : 46%, 26%

Groundnut seed contains 46% oil and 26% protein.

Question No. 33. The period of South-west Monsoon is ___

1. June to september
2. July to december
3. Feb to march
4. December to Feb
5. May to July

Answer : June to september

Explanation : The period June to September is referred to as the 'Southwest Monsoon' period.
Southwest Monsoon period is the principal rainy season for the Indian subcontinent.

Question No. 34. Which of the following is covered under operating cost of tractor?

1. Taxes
2. Maintenance and wear-tear cost
3. Depreciation cost
4. GST
5. Interest on loan

Answer : Maintenance and wear-tear cost

Explanation : These costs are incurred only when the machine is used. Variable costs include repair and maintenance, fuel and lubricants, servicing and labour charges.

Question No. 35. Foodgrains and oilseeds are dried to how much moisture level?

1. 5 to 6%
2. 10-12%
3. 25-30%
4. 20-25%
5. 18-20%

Answer : 10-12%

Explanation : Food grains and oilseeds are dried to 10-12% moisture level.

Question No. 36. Sum of lignin and polysaccharides which are not digested in the digestive tract is ___

1. crude fibre
2. hemicellulose
3. carbohydrates
4. lipase
5. vitamins

Answer : crude fibre

Explanation : Dietary fibre consists of the plant polysaccharides and lignin which are resistant to hydrolysis by digestive enzymes.

Question No. 37. When we want to change the magnitude of voltage but not the frequency, which one is used?

1. Transistor
2. Capacitor
3. Transformer
4. Dynamo
5. none of them

Answer : Transformer

Explanation : Transformer is used to change the magnitude of voltage.

Question No. 38. Chemical decomposition of rocks, in which water molecules get associated with the minerals is called as ___

1. Hydrolysis
2. Hydration
3. Oxidation
4. Reduction
5. None of them

Answer : Hydration

Explanation : Hydration is a form of chemical weathering in which the chemical bonds of the mineral are changed as it interacts with water.

Question No. 39. How much is the target given by RBI to banks to lend credit to small and marginal farmers for FY 2023-24?

1. 20% ANBC
2. 10% ANBC
3. 30% ANBC
4. 18% ANBC
5. 15% ANBC

Answer : 10% ANBC

Explanation :10% ANBC is the target given by RBI to banks to lend credit to small and marginal farmers for FY 2023-24.

Question No. 40. What is the target year for the PMAY Gramin?

1. 2022
2. 2024
3. 2020
4. 2025
5. 2030

Answer : 2024

Explanation : The overall target is to construct 2.95 crore pucca houses with basic amenities by March, 2024.

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Question No. 41. Under PM Vishwakarma a collateral-free credit support up of _____ is given in the first tranche within _____ .

1. 1 Lakh, 12 months
2. 1 Lakh, 18 months
3. 1 Lakh, 24 months
4. 2 Lakh, 18 months
5. 2 Lakh, 24 months

Answer : 1 Lakh, 18 months

Explanation : The scheme offers collateral-free enterprise development loans of Rs.1 lakh (first tranche to be repaid in 18 months) and Rs.2 lakh (second tranche to be repaid in 30 months).

Question No. 42. The National Food Security Act (NFSA) 2013, which was passed on July 5, 2013, represents a paradigm shift in the aspect of food security, moving away from a welfare based approach to one based on rights. Up to _____ of the rural population, as well as_____ of the urban population, are legally entitled to receive subsidised foodgrains through the Targeted Public Distribution System.

1. 50% & 30%
2. 50% & 25%
3. 75% & 25%
4. 75% & 50%
5. 75% & 30%

Answer : 75% & 50%

Explanation : The enactment of the National Food Security Act. (NF SA) 2013 on July 5, 2013 marks a paradigm shift in the approach to food security from welfare to rights based approach. The Act legally entitles upto 75% of the rural population and 50% of the urban population to receive subsidized foodgrains under Targeted Public Distribution System. About two thirds of the population therefore is covered under the Act to receive highly subsidized foodgrains. As a step towards women empowerment, the eldest woman of the household of age 18 years or above is mandated to be the head of the household for the purpose of issuing of ration cards under the Act.

Question No. 43. The goal of the Jal Jeevan Mission mission is to provide _____ of water per person per day to every rural household through Functional Household Tap Connections (FHTC) by 2024.

1. 35 litres
2. 45 litres
3. 55 litres
4. 60 litres
5. 75 litres

Answer : 55 litres

Jal Jeevan Mission (JJM) envisages a supply of 55 litres of water per person per day to every rural household through Functional Household Tap Connections (FHTC) by 2024. JJM focuses on integrated demand and supply-side management of water at the local level.

Question No. 44. Announced on 15th August 2014, _____ is National Mission for Financial Inclusion to ensure access to financial services, namely, Banking/ Savings & Deposit Accounts, Remittance, Credit, Insurance, Pension in an affordable manner.

1. Creation of Credit Guarantee Fund
2. Accident cover up to Rs. 1,00,000
3. Financial Literacy Programme
4. Pension scheme for Unorganised sector
5. Basic savings accounts with overdraft facility of Rs. 20,000/-.

Answer : Basic savings accounts with overdraft facility of Rs. 20,000/-.

Explanation :A key initiative towards this commitment is the Pradhan Mantri Jan Dhan Yojna (PMJDY), which is one of the biggest financial inclusion initiatives in the world. PMJDY was announced by Prime Minister, Shri Narendra Modi in his Independence Day address on 15th August 2014. Basic savings bank accounts with overdraft facility of Rs. 10,000/- to every eligible adult.

Question No. 45. Which scheme of the Government of India has won the prestigious National Award for e- Governance 2023 (Gold) for Application of Emerging Technologies for Providing Citizen Centric Services?

1. MNREGs
2. SKILL INDIA
3. PRANAM
4. PM SHREE
5. SWAMITVA

Answer : SWAMITVA

SVAMITVA (Survey of Villages Abadi and Mapping with Improvised Technology in Village Areas) Scheme of Ministry of Panchayati Raj has been conferred with the prestigious National Award for e-Governance 2023 (Gold) for Application of Emerging Technologies for Providing Citizen Centric Services at the 26th National Conference on e-Governance (NCeG) organized by the Department of Administrative Reforms and Public Grievances (DARPG), Government of India on 25th August 2023 in Indore, Madhya Pradesh.

Question No. 46. For what period is the PM SHRI schools scheme planned to be implemented, with a total project cost of Rs 27360 crore?

1. 2021-22 to 2025-26
2. 2022-23 to 2025-26
3. 2022-23 to 2026-27
4. 2022-23 to 2027-28
5. 2023-24 to 2026-27

Answer : 2022-23 to 2026-27

Explanation : PM SHRI schools will mentor and provide leadership to other schools in their vicinity. The scheme of PM SHRI schools is to be implemented with a total project cost of Rs 27360 crore for the period of five years from year 2022-23 to 2026-27.

Question No. 47. Which of the following are central sector sub-schemes of umbrella scheme – Scholarships for Higher Education for Young Achievers Scheme (SHREYAS) implemented by Ministry of Social Justice and Empowerment?

(1) Free Coaching Scheme for SCs and OBCs

(2) National Overseas Scheme for SCs

(3) National Fellowship for SCs

(4) Top Class Education for SCS

(5) Post Matric Scholarship for Scheduled Tribe Students

Options :

1. 1, 2 & 3

2. 2, 3 & 4

3. 1, 2, 3 & 4

4. 2, 3, 4 & 5

5. All the above

Answer : 1, 2, 3 & 4

Explanation : Scholarships for Higher Education for Young Achievers Scheme (SHREYAS) is an umbrella scheme which comprises four central sector sub-schemes.

They are:

i) Top Class Education for SCs

ii) Free Coaching Scheme for SCs and OBCs

iii) National Overseas Scheme for SCs

iv) National Fellowship for SCs.

Question No. 48. SBM-U, SBM 2.0 was launched in 2021, committing to making all cities 'Garbage Free', while maintaining ODF status urban local bodies (ULB). 5% of outlay of SBM-G phase 2 is allocated for?

I) Administrative expenses

II) Information, education & communication

III) Capacity building

IV) Construction of Integrated System

1. I & II

2. I & III

3. I, II & III

4. II, III & IV

5. None of these

Answer : I & II

Explanation : Swachh Bharat Mission (SBM-U) 2.0 has been launched on October 1, 2021 for a period of five years with a vision of achieving Garbage Free Status for all cities through 100% source segregation, door to door collection and scientific management of all fractions of waste including safe disposal in scientific landfills. 5 percent of the total amount for SBM-G can be used for IEC and capacity building,with up to 3 per cent at the state and district levels, and up to 2 percent at the GoI-level. The fund sharing ratio is the same as for IHHLs under Phase II.

Question No. 49. _____ aids to set up a network of technology centres and to set up incubation centres to accelerate entrepreneurship and also to promote startups for innovation in agroindustry and provides financial support to set up Livelihood Business Incubators (LBI) or Technology Business Incubator (TBI).

1. NISHTHA

2. SAKSHAM

3. PRAGATI

4. ISHAN

5. ASPIRE

Answer : ASPIRE

Explanation : A Scheme for Promotion of Innovation, Rural Industries, and Entrepreneurship (ASPIRE) assists in the establishment of a network of technology centers and incubation centers in order to foster entrepreneurship and startups in the agroindustry.

Question No. 50. Bureau of Indian Standards (BIS) signed Memorandum of Understanding (MoU) with top six engineering institutes of India for introducing Indian standards as an integral part of the curriculum. Which of the following is/are not the components MOU?

A) **It will promote excellence and leadership in teaching and research & development in the field of science and various disciplines in the respective institutes.**

B) **It will encourage young minds' involvement in the standardization process**

C) **It is also anticipated that technology innovation and standards development**

Which of the following are true in regards to MOU?

1. A only
2. B only
3. C only
4. All of the above
5. None of these

Answer : All of the above

Question No. 51. In MGNREGA Scheme, the work should ordinarily be provided within ____ Km radius of the village. In case work isprovided beyond that, extra wages of ___ % are payable to meet additional transportation and living expenses.

1. 2 km and 5% extra
2. 3 km and 5% extra
3. 5 km and 5% extra
4. 5 km and 10% extra
5. 5 km and 15% extra

Answer : 5 km and 10% extra

Explanation : Gram Panchayat or Block Programme Officer shall provide unskilled manual work to the applicant within fifteen days of receipt of application preferably within a radius of 5 kilometers of the village, where the applicant resides. In case the employment is provided outside such radius, it must be provided within the Block and the laborers shall be paid 10% of the wage rate as extra wages to meet additional transportation and living expenses.

Question No. 52. What is the percentage of Adjusted Net Banking Credit (ANBC) that domestic banks are required to lend to the weaker section according to the lending regulations?

1. 12%
2. 10%
3. 18%
4. 20%
5. 25%

Answer : 10%

Explanation : A target of 8 percent of ANBC or Credit Equivalent Amount of Off-Balance Sheet Exposure, whichever is higher, has been prescribed for Small and Marginal Farmers within agriculture, to be achieved in a phased manner i.e., 7 percent by March 2016 and 8 percent by March 2017. There is no change in the target of 10 percent of ANBC or Credit Equivalent Amount of Off-Balance Sheet Exposure, whichever is higher, for Weaker Sections.

Question No. 53. As per RBI PSL Guidelines, the threshold loans to individuals for educational purposes not exceeding _____ will be considered as Priority Sector Lending (PSL).

1. 15 lac
2. 20 lac
3. 23 lac
4. 25 lac
5. 30 lac

Answer : 20 lac

Explanation : The Reserve Bank of India (RBI) has increased the threshold for education loan under priority sector lending to not exceeding ?20 lakh from the earlier ?10 lakh. However, experts said this may not help the students much, unless the model education loan scheme is relooked at.

Question No. 54. Which of the following is the correct objective of Jan Shikshan Sansthan Scheme?
1. It covers all children studying at the secondary stage in Government, local body and Government-aided schools, with one or more disabilities
2. It provides additional components for the education of girls at the elementary level.
3. To provide students with a platform to solve some of the pressing problems we face in our daily lives
4. The main target of the JSS is to impart vocational skills to the non-literates between age group of 15-45 years
5. None of the above

Answer : The main target of the JSS is to impart vocational skills to the non-literates between age group of 15-45 years

Explanation : Jan Shikshan Sansthan aims to provide vocational training to non-literates, neo-literates as well as school drop-outs in rural regions by identifying skills that have a relevant market in that region. Over two-thirds of India's population comprises rural citizens. The objective of JSS is to uplift this rural population economically by imparting essential skills training, thereby enabling local trades to grow and creating new opportunities for the natives of the region. The main target of the JSS is to impart vocational skills to the non-literates between age group of 15-45 years.

Question No. 55. _____ is a scheme in mission mode implemented by Ministry of Women and Child Development aimed at strengthening interventions for women safety, security and empowerment.

Options :
1. Mission Dhara
2. Mission Annapurna
3. Mission Jyoti
4. Mission Jan Jyoti
5. Mission Shakti

Answer : Mission Shakti

Explanation : 'Mission Shakti' is a scheme in mission mode aimed at strengthening interventions for women safety, security and empowerment. It seeks to realise the Government's commitment for "women-led development? by addressing issues affecting women on a life-cycle continuum basis and by making them equal partners in nation- building through convergence and citizen-ownership.

Question No. 56. _____ is a pan-India electronic trading portal which networks the existing APMC mandis to create a unified national market for agricultural commodities.
1. e NAM
2. e NAMO
3. e APMC
4. e MAN
5. e CONNECT

Answer : e NAM

Explanation : National Agriculture Market (e-NAM) is a pan-India electronic trading portal which networks the existing APMC/Mandis to create a unified national market for agricultural commodities.

Question No. 57. RBI came out with four-tiered regulatory framework for_____ for ease of regulation.

Options :
1. RRBs
2. UCBs
3. RCBs
4. Commercial Banks
5. All of the above

Answer : UCBs

Explanation : The Reserve Bank of India (RBI) has announced a four-tiered regulatory framework for categorisation of Urban Co-operative Banks (UCBs).

Question No. 58. Which scheme has been launched by government of India which allows all NFSA beneficiaries, particularly the migrant beneficiaries, to claim either full or part of their entitled food grains from any Fair Price Shop (FPS) in the country?

1. Open Market Sale Scheme
2. Targeted Public Distribution System (TPDS)
3. PM Garib Kalyan Anna Yojana (PMGKAY)
4. MERA RATION Scheme
5. ONORC

Answer : ONORC

Explanation : The One Nation One Ration Card Scheme (ONORC) is being implemented by the Department for the nationwide portability of ration cards under the National Food Security Act (NFSA), 2013, which aims to ensure that all eligible ration card holders or beneficiaries covered under NFSA can take their share of subsidized food grains from any Fair Price Shop (FPS) in the country through Aadhaar Biometric authentication.

Question No. 59. The National Pension Scheme (NPS) is a social security initiative by the Central Government. Who among the following are not eligible to become the beneficiary of NPS?

1. Any individual citizen of India
2. Non-resident of India
3. OCI (Overseas Citizens of India)
4. PIO (Person of Indian Origin)
5. Both c & d

Answer : Both c & d

Explanation : The National Pension Scheme (NPS) is a social security initiative by the Central Government. This pension programme is open to employees from the public, private and even the unorganised sectors except those from the armed forces. Overseas citizen of India (OCI), Persons of Indian Origin (PIOs) and Hindu Undivided Families (HUFs) are not eligible to subscribe to NPS.

Question No. 60. Recently launched Global Biofuels Alliance (GBA) will help to accelerate India's existing biofuels programs such as

I. GOBARdhan Scheme
II. PM-JIVAN Yojana
III. SATAT Yojana
IV. KUSUM

1. I and II only
2. II and III only
3. I, II and III only
4. I only
5. All of the above

Answer : I, II and III only

Explanation : It will help accelerate India's existing biofuels programs such as PM-JIVANYojna, SATAT, and GOBARdhan scheme, thereby contributing to increased farmers' income, creating jobs and overall development of the Indian ecosystem. The global ethanol market was valued at USD 99.06 billion in 2022 and is predicted to grow at a CAGR of 5.1% by 2032 and surpass USD 162.12 billion by 2032.

Question No. 61. What is the amount earmarked for Agriculture Credit in Union Budget 2023-24?

1. 25 Lakh Crore
2. 20 Lakh Crore
3. 30 Lakh Crore
4. 35 Lakh Crore
5. 10 Lakh Crore

Answer : 20 Lakh Crore

Explanation : Agriculture Credit: The agriculture credit target will be increased to Rs 20 lakh crore with a focus on animal husbandry, dairy, and fisheries.

Question No. 62. What is the standard time frame for supplying information to an applicant under the RTI Act 2005?

1. 15 days
2. 30 days
3. 60 days
4. 48 hours
5. 7 days

Answer : 30 days

Explanation : In normal course, information to an applicant shall be supplied within 30 days from the receipt of application by the public authority. If information sought concerns the life or liberty of a person, it shall be supplied within 48 hours.

Question No. 63. Which of the following institution/s is helded by Nirmala Sitaraman ?

I. Ministry of finance

II. Ministry of Corporate affairs

III. GST Council

IV. Department of Economic Affairs

1. I, II and III only
2. I, II and V only
3. II, III, IV and V only
4. I, II and V only
5. All of the above

Answer : All of the above

Question No. 64. How many additional consumers are set to receive LPG connections through the extension of the Pradhan Mantri Ujjwala Yojana (PMUY)?

1. 25 lakh consumers by 2025-26
2. 50 lakh consumers by 2025-26
3. 75 lakh consumers by 2025-26
4. 50 lakh consumers by 2024-25
5. 75 lakh consumers by 2027-28

Answer : 75 lakh consumers by 2025-26

Explanation : The Union Cabinet, chaired by the Prime Minister Shri Narendra Modi, has approved the extension of Pradhan Mantri Ujjwala Yojana (PMUY) for release of 75 lakh LPG connections over three years from Financial Year 2023-24 to 2025-26.

Question No. 65. Which of the following ministry commenced the Socio Economic and Caste Census (SECC) 2011?

1. Ministry of Rural Development
2. Ministry of Panchayati Raj
3. Ministry of Home Affairs
4. Ministry of Tribal Affairs
5. None of the above

Answer : Ministry of Rural Development

Explanation : The Ministry of Rural Development Government of India, commenced the Socio Economic and Caste Census (SECC) 2011, in June 2011 through a comprehensive door to door enumeration across the country. This is the first time such a comprehensive exercise has been carried out for both rural and urban India.

Question No. 66. Which of the following are included in Ancillary Activities of agriculture under Public Sector Lending :

I) Loans up to Rs 5 crore to co-operative societies of farmers for disposing of the produce

of members
II) Loans for setting up of Agriclinics and Agribusiness Centers.
III) Loans for Food and Agro-processing up to an aggregate sanctioned limit of Rs 100
crore per borrower.
1. I and II only
2. II and III only
3. I and III only
4. I only
5. All of the above
Answer : All of the above
Explanation : Ancillary Activities under PSL
Loans up to Rs 5 crore to co-operative societies of farmers for disposing of the produce of members. Loans for setting up of Agriclinics and Agribusiness Centers. Loans for Food and Agro-processing up to an aggregate sanctioned limit of Rs 100 crore per borrower from the banking system.
Question No. 67. In Stand Up India Scheme "women, SC & ST category" will get e loans for Greenfield enterprises in manufacturing, services or the trading sector and activities allied to agriculture between Rs 10 Lakh to ___?
1. 25 Lakh
2. 50 Lakh
3. 1 Crore
4. 1.5 Crore
5. 2 Crore
Answer : 1 Crore
Explanation : Objectives of Stand Up India Scheme
• Promote entrepreneurship amongst women, SC & ST category
• Provide loans for greenfield enterprises in manufacturing, services or the trading sector and activities allied to agriculture
• Facilitate bank loans between Rs.10 lakh and Rs.1 crore to at least one Scheduled Caste/ Scheduled Tribe borrower and at least one woman borrower per bank branch of Scheduled Commercial Banks.
Stand-Up India Scheme facilitates bank loans between Rs 10 lakh and Rs 1 Crore to at least one Scheduled Caste (SC) or Scheduled Tribe (ST) borrower and at least one woman borrower per bank branch for setting up a greenfield enterprise. This enterprise may be in manufacturing, services or the trading sector.
Question No. 68. Which of the following institutions is in last mile financer under Aajeevika Microfinance Yojana (Livelihood Microfinance Scheme)?
1. Commercial Banks
2. Rural Cooperative Banks
3. Urban Cooperative Banks
4. Non-Banking Financial Company-Micro Finance Institution (NBFC-MFI).
5. None of these
Answer : Non-Banking Financial Company-Micro Finance Institution (NBFC-MFI).
Explanation : The Last Mile Financier i.e. NBFC-MFI fulfilling the following norms shall be considered eligible to avail financial assistance from NSFDC: The NBFC-MFI should be registered with the RBI as Non-Banking Financial Company-Micro Finance Institution (NBFCMFI).
NBFC-MFI should be following all RBI norms related to Micro Finance.The NBFCMFI should have 3 years of continuous profit track record. The NBFC-MFI should have Gross Non-Performing Assets (NPA) less than 2 % and net NPA below 0.5% as per their Annual Accounts for the preceding financial year.The NBFC-MFI should be a member of a Credit Bureau.
Question No. 69. Index of Industrial Production (IIP) is an indicator that measures the changes in the volume of production of industrial products during a given period. which of the following are not amongst sectors under IIP

I) Mining
II) Gas and Water connection
III) Manufacturing
IV) Electricity
1. I and II only
2. II and III only
3. I, II and III only
4. III only
5. All of the above
Answer : II and III only
Explanation : IIP is an indicator that measures the changes in the volume of production of industrial products during a given period. It is compiled and published monthly by the National Statistical Office (NSO), Ministry of Statistics and Programme Implementation. The eight core sector industries represent about 40% of the weight of items that are included in the IIP. The eight core industries in decreasing order of their weightage: Refinery Products > Electricity> Steel > Coal> Crude Oil> Natural Gas> Cement> Fertilizers. It covers 407 item groups included into 3 categories viz. Manufacturing, Mining and Electricity.

Question No. 70. Deputy Governor of the Reserve Bank of India Dr Michael Debabrata Patra in his speech mentioned trinity of:
I) Jan Dhan
II) Aadhaar
III) Mobile connections
IV) PAN
1. I and II only
2. II and III only
3. I, II and III only
4. III only
5. All of the above
Answer : I, II and III only
Explanation : JAM Trinity- (Jan Dhan , Aadhar , and Mobile) is a tool used by the government to transfer cash benefits directly to the bank account of the intended beneficiary. JAM Trinity is the key enabler of India's transformed and well-developed digital landscape.

Question No. 71. What is the funding limit provided per family per year under the Pradhan Mantri Jan Arogya Yojana (PMJAY)?
Options :
1. Rs. 1 lakh
2. Rs. 2 lakh
3. Rs. 3 lakh
4. Rs. 4 lakh
5. Rs. 5 lakh
Answer : Rs. 5 lakh
Explanation : Pradhan Mantri Jan Arogya Yojana helps these households avail of healthcare services by providing funding of up to Rs. 5 lakh per family per year. PMJAY will benefit urban workers' families in the occupational category present in the Socio-Economic Caste Census 2011.

Question No. 72. Ministry of Skill Development and Entrepreneurship launched 'Skills on Wheels' initiative of National Skill Development Cooperation and _____ to promote skilling for period of _____.

1. Bank of Baroda, 2 years
2. Union Bank of India, 3 years
3. IndusInd Bank, 5 years
4. State bank of India, 10 years
5. Bank of India, 7 years

Answer : IndusInd Bank, 5 years

Explanation : The objective of Skills on Wheels is to enable a large number of youth to take up industryrelevant skill training that will improve their theoretical as well as practical knowledge and help them in securing a better livelihood by bringing necessary synergy, oversight, and effective coordination. It aims to bridge the gap between the skilled people required in the industry and the unemployed youth by ensuring that the right candidate with a passion for a particular job chooses the right course according to his/her academic background, aptitude, and skill set. Skills on Wheels' is an initiative of National Skill Development Cooperation and IndusInd Bank to promote skilling for period of 5 years.

Question No. 73. DAY-NRLM is the flagship program of Govt. of India for promoting poverty reduction through building strong institutions of the poor and enabling these institutions to access a range of financial services and livelihood services. DAY-NRLM list finalised after PIP Process will be vetted by _____.

1. Gram Parishad
2. Gram Sabha
3. Nagar Panchayat
4. Block Office
5. Nagar Nigam

Answer : Gram Sabha

Explanation : DAY-NRLM is the flagship program of Govt. of India for promoting poverty reduction through building strong institutions of the poor, particularly women, and enabling these institutions to access a range of financial services and livelihood services. The list finalized after PIP process will be vetted by the Gram Sabha and approved by the Gram Panchayat.

Question No. 74. According to economic survey 2022-23............percentage of population lives in rural areas and out of this population 47% is engaged in _____

1. 55, Agriculture
2. 45, Manufacture
3. 35, Service
4. 65, Agriculture
5. 75, Agriculture

Answer : 65, Agriculture

The Survey notes that 65 per cent (2021 data) of the country's population lives in the rural areas and 47 per cent of the population is dependent on agriculture for livelihood.

Question No. 75. Khadi Gramodyog Vikas Yojana, which aims to promote and develop the village industries through common facilities, technological modernisation , training, etc. What is the target age group of beneficiaries under the Gramodyog Vikas Yojana?

1. 18-50
2. 18-55
3. 18-45
4. 20-55
5. 20-60

Answer : 18-55

Explanation : Gramodyog Vikas Yojana (GVY) was launched in March 2020. It is one of the two components of the Khadi Gramodyog Vikas Yojana which is a Central Sector Scheme (CSS).The other component of Khadi Gramodyog Vikas Yojana is the Khadi Vikas Yojana (KVY) which includes two new components such as Rozgar Yukt Gaon, Design House (DH).

Question No. 76. Department of Pension & Pensioners' Welfare (Ministry of Personnel, Public Grievances & Pensions) has been promoting Digital Life Certificate (DLC) i.e. _____ to enhance 'Ease of Living' of Central Government pensioners.

1. Jeevan Pranaam
2. Jeevan Pramaan
3. e-Life Ceritificate
4. Life Certificate on Phone
5. None of these

Answer : Jeevan Pramaan

Explanation : Jeevan Pramaan is a biometric enabled digital service for pensioners. Pensioners of Central Government, State Government or any other Government organization can take benefit of this facility.

Question No. 77. Ministry of Agriculture and Farmers' Welfare has approved the continuation of the Integrated Scheme for Agricultural Marketing (ISAM) scheme up to _____.

1. 31 Jan 2026
2. 31 March 2025
3. 31 April 2025
4. 31 March 2026
5. 31 April 2026

Answer : 31 March 2026

Explanation: For the creation of agricultural marketing infrastructure, the Directorate of Marketing & Inspection, Ministry of Agriculture and Farmers Welfare, Government of India has launched 'The Agriculture Marketing Infrastructure (AMI) scheme as a sub-scheme of the Integrated Scheme for Agricultural Marketing (ISAM) scheme. The main objectives of the scheme include the creation of scientific storage capacity with allied facilities in rural areas to meet various requirements of farmers for storing farm produce, processed farm produce, agricultural inputs, etc., and prevention of distress sale by creating the facility of pledge loan and marketing credit.

Question No. 78. PM Garib Kalyan Anna Yojana is an initiative by the government of India to offer free food grains to migrants and the underprivileged.What is the tenure of Pradhan Mantri Garib Kalyan Ann Yojana?

1. 1st January 2023 to 31st December 2023
2. 1st January 2023 to 31st December 2024
3. 1st January 2022 to 31st December 2023
4. 1st January 2020 to 31st December 2023
5. None of the above

Answer : 1st January 2023 to 31st December 2023

Explanation : The new integrated food security system, which will provide free food grains to Antodaya Anna Yojna (AAY) and Primary Household (PHH) recipients, will be implemented on January 1, 2023. The Union government has dubbed its new free foodgrain scheme, established under the National Food Security Act of 2013, the Pradhan Mantri Garib Kalyan Anna Yojana
(PMGKAY). The integrated system is expected to reinforce the provisions of the NFSA, 2013 in terms of foodgrain access, affordability, and availability for the poor.

Question No. 79. Unified Portal for Agricultural Statistics (UPAg) is an advanced agricultural data management platform designed to generate crop estimates and integrate with other systems generating Agriculture Statistics. Key Features UPAg Portal are

1. Data Standardization
2. Data Analysis
3. Granular Production Estimates
4. Commodity Profile Reports

5. Data Circulation

Answer : Data Circulation

Explanation : : Key Features of UPAg Portal:

1. Data Standardization: The portal standardizes data on prices, production, area, yield, and trade, making it accessible in one location, eliminating the need to compile data from multiple sources.
2. Data Analysis: UPAg Portal will perform advanced analytics, offering insights such as production trends, trade correlations, and consumption patterns, aiding policymakers in making informed decisions.
3. Granular Production Estimates: The portal will generate granular production estimates with increased frequency, enhancing the government's ability to respond to agricultural crises swiftly.
4. Commodity Profile Reports: Commodity profile reports will be produced using algorithms, minimizing subjectivity and providing users with comprehensive insights.
5. Plug and Play: Users will have the flexibility to use the portal's data to prepare their own reports, promoting data-driven decision-making.

Question No. 80. The National Green Hydrogen Mission was approved with the intended objectives of: Making India a leading producer and supplier of Green Hydrogen in the world. Which of the following is stating the benefit of the National Green Hydrogen Mission?

1. Reduction in independence of imported fuels
2. Increase in renewable energy usage across all economic spheres
3. Decentralisation of power generation.
4. All of the above
5. None of the above

Answer : All of the above

General Awareness

Question No. 81. Dr. Katalin Karikó and Dr. Drew Weissman, both of the University of Pennsylvania, achieved their breakthrough by harnessing the power of genetic material mRNA, what does m stands for in mRNA?

1. Messenger
2. Material
3. Master
4. Mitochondrial
5. Miosis

Answer : Messenger

Explanation : Messenger RNA (mRNA) is a subtype of RNA. An mRNA molecule carries a portion of the DNA code to other parts of the cell for processing. mRNA is created during transcription. During the transcription process, a single strand of DNA is decoded by RNA polymerase, and mRNA is synthesized.

Question No. 82. SHREYAS National Fellowship Scheme has benefitted more than 21,000 SC Students in higher education, when was it launched?

1. 2014
2. 2016
3. 2019
4. 2021
5. None of these

Answer : 2019

Explanation : "SHREYAS" is the scheme launched by the Ministry of Human Resource Development of the Government of India on February 27, 2019.

Question No. 83. Revitalising Infrastructure and Systems in Education (RISE) is a Government scheme aimed at _____.

1. Immunization of Children and pregnant women.
2. Making SMART City a reality
3. It aims to lend low cost funds to government higher education institutions only.
4. Stepping up investments in research and related infrastructure in premier educational and health institutions
5. None of the above

Answer : It aims to lend low cost funds to government higher education institutions only.

Explanation : To convert India into an education hub by producing high-quality research infrastructure in educational institutions. To allow access of Higher Education Financing Agency (HEFA) capital to institutions like Central Universities, AIIMS, IISERs, IITs, NITs, IIMs, etc.

Question No. 84. Name the first rocket to be launched from Thumba Space Station by ISRO?

1. Sounding Rocket
2. Nike Apache Rocket
3. MAK-III
4. FALCON
5. Arian-5

Answer : Nike Apache Rocket

Explanation : India's spaceward odyssey began on November 21, 1963, with the launch of the US Nike Apache sounding rocket from Thumba, near Thiruvananthapuram. The rocket was taken to the launch site on a bullock cart; later rockets would take bicycles.

Question No. 85. Elon Musk Founded a company in 2002 in _____.

1. SpaceX
2. Virgin Atlantic
3. AirBus
4. Blue Origin LLC
5. The Ultrawealthy

Answer : SpaceX

Explanation : Elon Musk cofounded the electronic payment firm PayPal, and in 2002 he founded SpaceX, a company that makes rockets and spacecraft. He was a major early funder of Tesla, which makes electric cars and batteries, and became its chief executive officer in 2008. He cofounded Neuralink, a neurotechnology company, in 2016.

Question No. 86. India is a member of which of the following organizations?

1. OECD
2. UNSC
3. NATO
4. QSD
5. None of these

Answer : QSD

Explanation : The Quadrilateral Security Dialogue (QSD), commonly known as the Quad, is a strategic security dialogue between Australia, India, Japan and the United States that is maintained by talks between member countries.

Question No. 87. Anthony Bilken, an official in the US Government is holding which of the following positions?

1. Secretary of State
2. Secretary of Defense

3. Secretary of External Affairs
4. Secretary of Internal Affairs
5. Secretary of International Relations

Answer : Secretary of State

Explanation : Antony John Blinken (born April 16, 1962) is an American government official and diplomat serving since January 26, 2021, as the 71st United States secretary of state.

Question No. 88. Which of the following schemes has won the national award for e governance (Gold) 2023?

1. SVAMITVA Scheme
2. Jal Jivan Mission
3. Pradhan Mantri Garib Kalyan Yojana
4. PM Vishwakarna Scheme
5. None of the above

Answer : SVAMITVA Scheme

Explanation : SVAMITVA Scheme wins the National Award for e-Governance 2023. SVAMITVA (Survey of Villages Abadi and Mapping with Improvised Technology in Village Areas) Scheme of Ministry of Panchayati Raj (MoPR) has been conferred with the prestigious National Award for e-Governance 2023 (Gold).

Question No. 89. Recently Amravati Station has become Central Railway's 3rd Pink Station, In which state Amravati Railway Station is located?

1. Maharashtra
2. Chattisgarh
3. Karnataka
4. Tamil Nadu
5. Madhya Pradesh

Answer : Maharashtra

Explanation : Maharashtra's New Amravati station Becomes Central Railway's 3rd Pink Station. New Amravati Railway Station (Amaravti, Maharashtra) became the 3rd station within Central Railway (CR) and the 1st station in Bhusaval Division of CR to be designated as a Pink Station, fully managed by women staff.

Question No. 90. Russia's e-Visa allows Indians to stay in Russian territory for how many days?

1. 16 Days
2. 15 Days
3. 13 Days
4. 14 Days
5. 18 Days

Answer : 16 Days

Explanation : The e-visa furnished is valid for 60 days from the date of issue and allows Indian tourists to stay on the territory of Russia for 16 days.

Question No. 91. How many grand slams has Leander Paes won in doubles and mixed doubles category?

1. 18 Grand Slam titles
2. 16 Grand Slam titles
3. 13 Grand Slam titles
4. 14 Grand Slam titles
5. 19 Grand Slam titles

Answer : 18 Grand Slam titles

Explanation : Paes is a winner of 18 Grand Slam titles in doubles and mixed doubles, besides being a former doubles world No. 1. In a career spanning three decades, he captured eight Grand Slams in doubles, 10 in mixed doubles and a career Slam in both disciplines.

Question No. 92. Which of the following councils is headed by Smt. Nirmala Sitharaman?

1. GST Council
2. NSDC
3. Union Cabinet
4. Disaster management
5. None of these

Answer : GST Council

Explanation : GST Council is headed by the Finance Minister of India and Since Smt. Nirmala Sitharaman is Union Finance Minister, she is heading the GST Council.

Question No. 93. Which of the following Sites is a old UNESCO Sites in India?

1. Western Ghats
2. Nanda Devi Valley of Flowers
3. Dholavira
4. Eastern Ghats
5. None of these

Answer : Nanda Devi Valley of Flowers

Explanation : Nanda Valley - The National Park was inscribed a World Heritage Site by UNESCO in 1988. It was later expanded and renamed as Nanda Devi and Valley of Flowers National Parks in 2005.

Question No. 94. Where was G20 Ministerial Conference of Women Empowerment held in the month of August 2023?

1. Gandhinagar, Gujrat
2. Mumbai, Maharashtra
3. Bengaluru, Karnataka
4. Kolkata, West Bengal
5. Bhopal, Madhya Pradesh

Answer : Gandhinagar, Gujrat

Explanation : The G20 Ministerial Conference on Women's Empowerment was inaugurated in Gandhinagar, Gujarat. This conference, took place from 2nd to 4th August 2023 includes participation by Women and Gender Equality Ministers from across the G20 and Guest countries.

Question No. 95. What does SPRINT stand for in the context of the Indian Navy's initiative to boost the usage of indigenous technology?

1. Supporting Pole-Vaulting in R&D through Innovations for Defence Excellence
2. Strategic Partnership for Robust Innovation in Naval Technologies
3. Sustainable Progress in Research and Innovation for Naval Technologies
4. Special Program for Rapid Innovation in Naval Technologies
5. None of these

Answer : Supporting Pole-Vaulting in R&D through Innovations for Defence Excellence

Explanation : SPRINT is a collaborative initiative being undertaken in conjunction with the Defence Innovation Organisation (DIO) and stands for Supporting Pole-Vaulting in R&D through Innovations for Defence Excellence (iDEX), NIIO and Technology Development Acceleration Cell (TDAC).

Question No. 96 Where will the first-ever Street 20 World Cup cricket tournament for street children be held?
1. Chennai
2. Mumbai
3. Hyderabad
4. Ahmedabad
5. New Delhi
Answer : Chennai
Explanation : Street 20, a world cup cricket, exclusively for Street Children will be held in Chennai for the first time. Street children from 15 countries including the United Kingdom, Brazil, Hungary, Mexico, South Africa, Srilanka and Rwanda will participate in the tournament which precedes ICC World Cup Cricket in India.

Question No. 97. What is the primary aim of the Memorandum of Understanding (MoU) signed between the Indian Navy and M/s Uber?
1. To provide naval personnel and their families with discounted international travel options
2. To offer exclusive ride-sharing services to naval personnel
3. To promote sustainable transportation solutions within naval bases
4. To facilitate safe and affordable personal travel for naval personnel and their families
5. None of the above
Answer : To facilitate safe and affordable personal travel for naval personnel and their families
Explanation : The MoU with Uber aims to provide reliable, convenient, safe and economical mobility solutions for personal travel and commute of Naval personnel and families across the country.

Question No. 98. The old parliament house which is officially known as Samvidhan Sadan was under which legislature till 1947?
1. Imperial Legislative Council
2. The British Council House
3. Sovereign Legislative Chamber
4. Crowned Legislature
5. None of these
Answer : Imperial Legislative Council
Explanation : During British rule, the legislative branch of India was the Imperial Legislative Council, which was created in 1861 via the Indian Councils Act of 1861 and disbanded in 1947, when India gained independence. Following independence, the Constituent Assembly of India was elected to write the Constitution of India.

Question No. 99. In which year was the first Cricket World Cup been hosted by India ?
1. 1975
2. 1987
3. 2011
4. 2020
5. None of these
Answer : 1987
Explanation : The first competition hosted outside England was the 1987 Cricket World Cup, which was jointly held in India and Pakistan.

Question No. 100. According to the National Education Policy 2020,till which grade will the teacher be able to teach lessons in mother tongue or regional language

1. Grade 3
2. Grade 4
3. Grade 5
4. Grade 6
5. None of these

Answer : Grade 5

As per the new National Education Policy (NEP), the medium of instruction until at least Grade 5, but preferably till Grade 8 and beyond, will be the home language/mothertongue/ local language/regional language.

Decision Making

Question No. 101. Non programmed decisions are most likely to be made by _____
1. middle management
2. lower management
3. top management
4. supervisory management
5. All of the above

Answer : c

Explanation : The Non - programmed decisions in management are concerned with unique or unusual problems. They are ill-structured and one-time decisions. Problems or situations that don't have a concrete set of rules or guidelines to follow rely on non-programmed decision-making.
These are complex and have a long-term impact.
As such, these are made by top management.

Question No. 102. The NABARD Chairman called a meeting of all the Managers and asked them to give their ideas to a stated problem. The Chairman listened to all the idea without questioning, evaluating or rejecting any of them. Which technique of decision making is being used here?
1. Brainstorming
2. Multi-voting
3. Delphi Technique
4. Didactic Interaction
5. Decision tree

Answer : a

Explanation : Brainstorming is a powerful decision-making technique used to extract ideas from a group of people. For brainstorming, groups are formed and each individual is provided with a platform to explore and express their ideas to others. In order to be affective, brainstorming session needs to be structured so as to avoid chaos, individuals should be provided with a criticismfree environment and freedom to express their views. Brainstorming is done face- to-face.

Question No. 103. Which of the following theory says that investors value gains and losses differently, placing more weight on perceived gains versus perceived losses?
1. Bounded rationality theory
2. Behavioural theory
3. Prospect theory
4. Satisficing theory
5. Normative theory

Answer : c

Explanation : The Prospect theory was introduced by two psychologists, Daniel Kahneman, and Amos Tversky. As per the theory, given the choice of equal probabilities, most people would choose to retain the wealth that they already have, rather than risk the chance to increase their current wealth. People are usually averse to the possibility of losing, such that they would rather avoid a loss rather than take a risk to make an
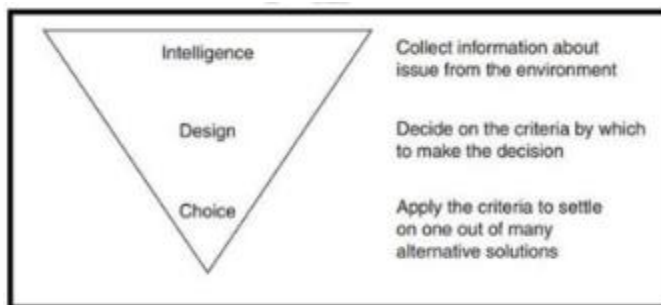
equivalent gain. It is a psychology theory that describes how people make decisions when presented with alternatives that involve risk, probability, and uncertainty. It holds that people make decisions based on perceived losses or gains.

Question No. 104. As per the behavioural theory of decision making by Herbert Simon, there are three essential stages in the act of problem solving and decision making. What did he call the stage that relates to deciding the criteria by which to make decisions?
1. Intelligence
2. Design
3. Accumulate
4. Draft
5. Model
Answer : b
Explanation : Behavioral approach is also known as descriptive approach and administrative model.This theory is proposed by Herbert A Simon, a well known economist, in which he attempts to explain how decisions are made in real life situations.A manager has to make decisions under different conditions and situations.

Question No. 105. An Autocratic leader is likely to use which of the following type of decision making technique?
1. Brainstorming
2. Multi-voting
3. Delphi Technique
4. None of the above
5. All of the above
Answer : d
Explanation : An autocratic leader is one who takes decisions individually. The above techniques require group thinking and is unlikely to be used by an autocratic leader.

Question No. 106. Which of the following statement is incorrect?
1. Decision-making involves the selection of a course of action from among two or more possible alternatives
2. Remaining neutral is not decision making
3. Decision making is an important part of the planning function of management
4. Decision making is a mental process.
5. All are correct
Answer : b
Explanation : Decision is a choice whereby a person comes to a conclusion about a given circumstance or situation. Decision-making, therefore, involves the selection of a course of action from among two or more possible alternatives to arrive at a solution for a given problem.Every decision-making process produces an outcome that might be an action, a
recommendation, or an opinion. Doing nothing or remaining neutral is usually among the set of options one chooses from, and therefore, selecting that course is also making a decision.
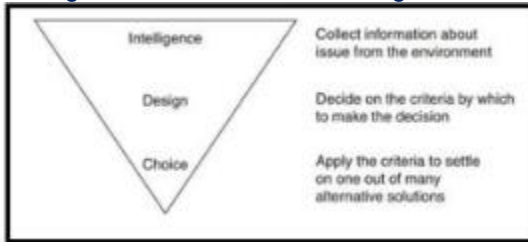
Question No. 107. As per Herbert's Decision-making theory, the stage in which the final decision is made is referred to as _____
1. Design Phase

2. Intelligence phase
3. Decision phase
4. Choice Phase
5. Selection Phase
Answer : d
Explanation : Behavioral approach to decision-making proposed by Herbert A Simon, explains how decisions are made in real life situations. A manager has to make decisions under different conditions and situations. He showed that humans went through three essential stages in the act of problem solving and decision making. He called these the Intelligence, Design, and Choice stages.

Question No. 108. _____ **refers to an organized technique of decision making in which team members usually note down their opinions and ideas and settle on the idea that best fits the problem.**
1. Delphi technique
2. Brainstorming
3. Nominal group technique
4. Didactic technique
5. Multi-voting
Answer : c
Explanation : Nominal Group Technique is a variation of brainstorming technique. It is a structured process of obtaining the group's opinions, ideas, suggestions, etc. Unlike brainstorming, in Nominal Group technique, each member is acquainted with the problem or issue under consideration and is required to pen down his opinion and suggestion on a piece of paper.

Question No. 109. Which of the following refers to rules of thumb strategies that shorten decision-making time and allow people to function without constantly stopping to think?
1. Haptics
2. Kinesics
3. Biases
4. Heuristics
5. Judgement errors
Answer : d
Explanation : Heuristics are mental shortcuts that can facilitate problem-solving and probability judgments.These strategies are generalizations, or rules-of-thumb, that reduce cognitive load, and can be effective for making immediate judgments. These rule-of-thumb strategies shorten decisionmaking time and allow people to function without constantly stopping to think about their next course of action.
Daniel Kahneman and Amos Tversky identified different kinds of heuristics: availability, representativeness, anchoring and affect.

Question No. 110. The tendency to blame others when things go wrong, instead of looking objectively at the situation is known as _____ bias.
1. Commitment
2. Confirmation
3. Hindsight
4. Anchoring
5. Attribution
Answer : e

Explanation : Biases or Cognitive bias, can be defined as a set of predictable mental errors that arise from our limited ability to process information objectively.Attribution bias is the tendency to blame others when things go wrong, instead of looking objectively at the situation.Confirmation bias is to look for information that supports your existing beliefs and reject data that goes against what you believe.Hindsight bias is the belief that one accurately predicted the outcome of a decision before it was made, even if he/she did not.
Commitment bias is the tendency to remain committed to our past behaviors, even if they do not have desirable outcomes.

Computer Aptitude

Question No. 111. What is the shortcut key to switch between open windows on a Windows operating system?

1. Alt + Tab
2. Ctrl + W
3. Shift + Esc
4. Windows key + S
5. Alt + Space

Answer : Alt + Tab

Explanation : The correct shortcut key to switch between open windows on a Windows operating system is Alt + Tab. When you press and hold the Alt key and then press the Tab key, a visual overlay with icons representing open applications and windows will appear. While holding the Alt key, you can cycle through the open windows by repeatedly pressing the Tab key, and when you release the Alt key, it will switch to the selected window.
0

Question No.112. What is the primary advantage of using a stylus with a touchscreen device?

1. Enhanced precision for drawing and writing
2. Extended battery life of the device
3. Faster internet connection
4. Improved sound quality
5. Higher screen resolution

Answer : Enhanced precision for drawing and writing

Explanation : Using a stylus with a touchscreen device offers several advantages, but the primary one is the enhanced precision it provides for drawing and writing.

Question No. 113. Which computer was created by Steve Jobs and Steve Wozniak?

1. iMac
2. Mac Pro
3. Macintosh
4. MacBook Air
5. Mac Mini

Answer : Macintosh

Explanation : Steve Jobs and Steve Wozniak co-founded Apple Inc. and are known for creating the Apple Macintosh, which was introduced in 1984. The Macintosh, often referred to as the "Mac," was a groundbreaking personal computer with a graphical user interface and a mouse, making it more user-friendly and accessible to a broader audience.

Question No. 114. What does CD-R stand for in the context of telecommunications?
1. Centralized Data Recorder

2. Compact Disc - Rewritable

3. Communication Data Repository

4. Circuit Design Resource

5. Cellular Data Receiver

Answer : Compact Disc - Rewritable

Explanation : CD-R stands for Compact Disc - Rewritable in the context of telecommunications.

Question No. 115. Which memory type has the smallest storage capacity in the memory hierarchy?

Options :

1. RAM

2. Hard Disk Drive (HDD)

3. Cache

4. SSD

5. Virtual Memory

Answer : Cache

Explanation : The memory type with the smallest storage capacity in the memory hierarchy is "C. Cache." Cache is a type of high-speed volatile memory that stores frequently used data and instructions to provide quick access to the CPU, but it has the smallest storage capacity compared to the other options listed.

Question No. 116. Which of the following best describes "real-time protection" in antivirus software?

1. Scanning your computer only during system startup

2. Running system optimization tools

3. Providing automatic, continuous monitoring for threats

4. Cleaning up your internet browser history

5. Defragmenting your hard drive

Answer : Providing automatic, continuous monitoring for threats

Explanation : "Real-time protection" in antivirus software (Option C) involves constant and automatic monitoring of your system for potential threats, instantly detecting and responding to any malicious activity to keep your computer safe. It's not limited to periodic scans or other system optimization tasks, such as cleaning browser history or defragmenting the hard drive.

Question No. 117. In which field of an email message is the BCC option typically located?

1. Subject

2. To

3. From

4. CC

5. Attachments

Answer : To

Explanation : The BCC option is typically located in the "To" field of an email message, along with the "CC" (Carbon Copy) and "From" fields. You can add recipients to the BCC field to send them a copy of the email without revealing their email addresses to others.

Question No. 118. Which search engine was developed by Microsoft?

1. Microsoft Explorer

2. Bing

3. Edge Search

4. Windows Search

5. MSN Search

Answer : Bing

Explanation : The search engine developed by Microsoft is Bing. Bing is Microsoft's web search engine, providing search results and services for users.

Question No. 119. Which component of the CPU is responsible for fetching and decoding instructions from memory?

1. ALU (Arithmetic Logic Unit)
2. Control Unit
3. Cache memory
4. RAM (Random Access Memory)
5. Registers

Answer : Control Unit

Explanation : The component of the CPU responsible for fetching and decoding instructions from memory is the Control Unit (Option b). It manages the flow of data and instructions within the CPU, ensuring that instructions are retrieved from memory and executed in the correct sequence.

Question No. 120. What technology largely replaced vacuum tubes in electronic devices?

1. Transistors
2. Microchips
3. Electromagnetic coils
4. Diodes
5. Resistor networks

Answer : Transistors

Explanation: Transistors largely replaced vacuum tubes in electronic devices because they are smaller, more energy-efficient, and more reliable components for amplifying and switching electronic signals.

Question No. 121. Which of the following is an example of system software?

1. Microsoft Word
2. Adobe Photoshop
3. Windows Operating System
4. Google Chrome
5. Microsoft Excel

Answer : Windows Operating System

Explanation : System software is a category of software that manages and controls the hardware and provides a platform for running application software. In this context, the correct answer is C) Windows Operating System, as it is a prime example of system software that manages computer hardware and resources.

Question No. 122. Which of the following best describes a database management system (DBMS)?

1. A database query language.
2. A computer's memory storage.
3. A software application used to create, manage, and interact with databases.
4. A mathematical algorithm for data encryption.
5. A type of computer monitor.

Answer : A software application used to create, manage, and interact with databases.

A database management system (DBMS) is a software application designed for creating, managing, and interacting with databases. It serves as a crucial tool for organizing and efficiently retrieving data, making option C the correct answer.

Question No. 123. In the Windows Control Panel, where is the option for Voice and Speech Recognition located?

1. System and Security

2. Ease of Access

3. Network and Internet

4. Programs

5. Hardware and Sound

Answer : Ease of Access

Explanation : The correct option is B) Ease of Access. In Windows Control Panel, Voice and Speech Recognition can be found under the "Ease of Access" category. This category typically contains settings and features designed to make the computer more accessible for users with disabilities or those who require specific accommodations. Voice and Speech Recognition is one such feature, allowing users to interact with their computer using voice commands.

Question No. 124. What is the purpose of encryption in computer security?

1. To slow down the computer's performance

2. To make files larger in size

3. To hide files on a computer

4. To protect data by converting it into an unreadable format

5. To block internet access

Answer : To protect data by converting it into an unreadable format

Explanation : The purpose of encryption in computer security is to protect data by converting it into an unreadable format, ensuring confidentiality and security.

Question No. 125. What is the concept of "forking" in the context of open source software?

1. Merging code changes

2. Creating a new project from an existing one

3. Compiling the source code

4. Version control

5. Debugging code

Answer : Creating a new project from an existing one

Explanation : The concept of "forking" in the context of open source software refers to option B) Creating a new project from an existing one. It involves taking an existing open source project and creating a separate, independent project based on it.

Question No. 126. What is the primary function of a web browser?

1. Sending emails

2. Playing games

3. Viewing websites

4. Writing code

5. Editing images

Answer : Viewing websites

Explanation : The primary function of a web browser is to view websites.

Question No. 127. Which touchscreen technology is commonly used in ATMs and point-of-sale (POS) systems?

1. Capacitive

2. Resistive

3. Infrared

4. Surface Acoustic Wave

5. Optical

Answer : Resistive

Explanation : Resistive touchscreens are often used in ATMs and point-of-sale (POS) systems because they are cost-effective and can be operated with a stylus or finger pressure, making them suitable for a wide range of applications.

Question No.128. Which view in PowerPoint allows you to see and organize all the slides in a presentation?
1. Normal View
2. Slide Sorter View
3. Slide Master View
4. Outline View
5. Notes Page View
Answer : Slide Sorter View

Explanation : In PowerPoint, Slide Sorter View allows you to see and organize all the slides in a presentation as thumbnail images. This view is helpful for reordering slides, duplicating them, or organizing your presentation's sequence.

Question No. 129. What is a file system in an operating system?
1. A software firewall
2. A collection of device drivers
3. A protocol for network communication
4. A hierarchical structure for organizing and storing data on storage devices
5. An antivirus program
Answer : A hierarchical structure for organizing and storing data on storage devices
Explanation : A hierarchical structure for organizing and storing data on storage devices.

Question No. 130. Which programming language is often used for developing machine learning and artificial intelligence applications?
1. JavaScript
2. Python
3. C++
4. Ruby
5. Swift
Answer : Python
Explanation : The correct answer to the question is indeed B) Python. Python is the programming language that is most often used for developing machine learning and artificial intelligence applications.

English Language

Direction : Read the following passage and answer the questions accordingly.

In the 1960s, the Soviet Union undertook a major water diversion project on the arid plains of Kazakhstan, Uzbekistan, and Turkmenistan. The region's two major rivers, fed by snowmelt and precipitation in faraway mountains, were used to transform the desert into farms for cotton and other crops. Before the project, the Syr Darya and the Amu Darya rivers flowed down from the mountains, cut northwest through the Kyzylkum Desert, and finally pooled together in the lowest part of the basin. The lake they made, the Aral Sea, was once the fourth largest in the world.

Although irrigation made the desert bloom, it **devastated** the Aral Sea. This series of images from the Moderate Resolution Imaging Spectroradiometer (MODIS) on NASA's Terra satellite documents the changes. At the start of the series in 2000, the lake was already a fraction of its 1960 extent (yellow line). The North Aral Sea (sometimes called the Small Aral Sea) had separated from the South (Large) Aral Sea. The South Aral Sea had split into eastern and western lobes that remained tenuously connected at both ends.

By 2001, the southern connection had been severed, and the shallower eastern part retreated rapidly over the next several years. Especially large retreats in the eastern lobe of the South Aral Sea appear to have occurred between 2005 and 2009, when drought limited and then cut off the flow of the Amu Darya. Water levels then **fluctuated** annually between 2009 and 2018 in alternately dry and wet years. In 2014, the eastern lobe of the South Aral Sea completely disappeared. Water levels in the summer 2018 were not as low as they might have been, following a round of seasonal snowmelt in the spring. As the Aral Sea dried up, fisheries and the communities that depended on them collapsed. The

increasingly salty water became polluted with fertilizer and pesticides. The blowing dust from the exposed lakebed, contaminated with agricultural chemicals, became a public health hazard. The salty dust blew off the lakebed and settled onto fields, degrading the soil. Croplands had to be flushed with larger and larger volumes of river water. The loss of the moderating influence of such a large body of water made winters colder and summers hotter and drier.

In a last-ditch effort to save some of the lake, Kazakhstan built a dam between the northern and southern parts of the Aral Sea. The Kok-Aral dike and dam, finished in 2005,separates the two water bodies and prevents flow out of the North Aral into the lower elevation South Aral. The dam has led fisheries in the North Aral to rebound, even as it has limited flow into the South Aral. Between 2005 and 2006, water levels in the North Aral rebounded significantly and very small increases are visible throughout the rest of the time period. The differences in water color are due to changes in sediments and water depth.

Question No. 131.What was the primary outcome of the major water diversion project undertaken by the Soviet Union in the 1960s?

1. Enhanced fertility of the Aral Sea
2. Expansion of fisheries in the region
3. Formation of the Kyzylkum Desert
4. Increase in the Aral Sea's size
5. Adverse impact on the Aral Sea ecosystem

Answer : Adverse impact on the Aral Sea ecosystem

Explanation : The major water diversion project by the Soviet Union in the 1960s had a detrimental impact on the Aral Sea ecosystem. Excessive water usage for irrigation led to a significant reduction in the Aral Sea's size.

Question No. 132.What was the impact of the Aral Sea's moderating influence loss on the regional climate?

1. Winters became more temperate, and summers cooler.
2. Both winters and summers experienced heightened extremes.
3. The climate showed no discernible changes.
4. Precipitation increased consistently throughout the year.
5. Temperatures remained stable throughout the seasons.

Answer : Both winters and summers experienced heightened extremes.
Explanation : The passage mentions that the loss of the moderating influence of the Aral Sea had a significant impact on the region's climate. Specifically, it states, "The loss of the moderating influence of such a large body of water made winters colder and summers hotter and drier." Therefore, both winters and summers experienced more extreme conditions—colder winters and hotter, drier summers

Question No. 133. Choose the word that is similar in meaning to DEVASTATED as highlighted in the passage.
1. intact
2. wrecked
3. assent
4. scoured
5. preserved
Answer : wrecked

Explanation : In the context of the passage, the term "devastated" is used to describe the severe and destructive impact on the Aral Sea ecosystem due to the changes caused by the water diversion project. "Wrecked" is a synonym that conveys a similar meaning of severe damage and destruction, making it the appropriate choice in this context.

Question No. 134. What was the role of the Kok-Aral dike and dam in the destiny of the Aral Sea?
1. Aggravated the desiccation of the Aral Sea
2. Separated the North Aral Sea from the South Aral Sea
3. Resulted in a decline in fish populations
4. Facilitated unrestricted water flow between the two Aral Seas
5. Constructed to enhance agricultural productivity
Answer : Separated the North Aral Sea from the South Aral Sea
Explanation : The Kok-Aral dike and dam, constructed in 2005, had a pivotal role in the destiny of the Aral Sea by effectively separating the North Aral Sea from the South Aral Sea. This separation aimed to control water flow, leading to the rebound of fisheries in the North Aral Sea while limiting the water supply to the South Aral Sea.

Question No.135. Some statements are provided below, select the option that is/are correct with respect to the passage.
   I.   **Prior to the project, the Syr Darya and the Amu Darya rivers descended from the mountains, traversed northwest through the Kyzylkum Desert, and eventually pooled in the lowest part of the basin.**
   II.   **To exacerbate the drying up of the Aral Sea, Kazakhstan constructed a dam between the northern and southern parts of the lake.**
   III. **The North Aral Sea remained connected to the South Aral Sea throughout the observed period.**
1. Only I
2. Only I and III
3. Only II
4. Only III
5. none is correct
Answer : Only I
Explanation : I. This statement is correct. It accurately describes the natural flow of the Syr Darya and the Amu Darya rivers prior to the water diversion project.
II. This statement is incorrect. Kazakhstan constructed a dam, the Kok-Aral dike and dam, to mitigate the damage and prevent further water flow from the North Aral Sea to the South Aral Sea.
III. This statement is incorrect. The passage mentions that the North Aral Sea (Small Aral Sea) had separated from the South Aral Sea (Large Aral Sea).

Question No. 26. Choose the option that is opposite in meaning to FLUCTUATED as highlighted in the passage.
1. vacillated
2. abhorred
3. persisted
4. accentuated
5. unsettled

Answer : persisted

Explanation : The term "fluctuated" in the context of the passage suggests variation or instability. The opposite of fluctuated, indicating a consistent and unchanging state, is "persisted." Therefore, option c is the correct choice as it represents the opposite meaning to fluctuated.

Question No. 137. "The loss of the moderating influence of such a large body of water made winters colder and summers hotter and drier." What does this statement refer to?
1. Winters experienced a warming trend, while summers became more humid without the large body of water.
2. The introduction of industrial activities caused a public health hazard
3. Inconsistent changes in the climatic conditions
4. There was a decline in air pollution levels
5. The absence of the moderating influence of a large body of water led to more extreme temperature conditions, making winters colder and summers hotter and drier.

Answer : The absence of the moderating influence of a large body of water led to more extreme temperature conditions, making winters colder and summers hotter and drier.

Explanation : The statement suggests that the lack of the moderating influence of a large body of water resulted in more extreme temperature conditions. Winters became colder, and summers became hotter and drier due to the absence of the mitigating effects that a large water body typically provides on climate conditions.

Direction : In each of the questions below, a sentence is given with two blanks that indicate that some parts are missing. Identify the correct pair of words that fit in the sentence to make it grammatically and contextually correct.

Question No.138. The company's decision to implement eco-friendly practices not only _____ its reputation but also _____ a positive impact on the environment.
1. tarnished, hampered
2. enhanced, fostered
3. diminished, thwarted
4. upheld, diminished
5. escalated, endangered

Answer : enhanced, fostered

Explanation : The correct pair of words that fit into the sentence to make it grammatically and contextually correct is "enhanced" and "fostered." The sentence would then read: "The company's decision to implement eco-friendly practices not only enhanced its reputation but also fostered a positive impact on the environment." This choice conveys a positive outcome for both the company's reputation and its impact on the environment.

Direction : In each of the questions below, a sentence is given with two blanks that indicate that some parts are missing. Identify the correct pair of words that fit in the sentence to make it grammatically and contextually correct.

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Question No. 139. The recent border disputes between India and China have led to a _____ in diplomatic ties, with both nations adopting a more _____ stance.

1. strengthening, collaborative
2. deterioration, confrontational
3. resurgence, cooperative
4. escalation, amicable
5. normalization, compromising

Answer : deterioration, confrontational

Explanation : The sentence suggests a negative impact on diplomatic ties between India and China, indicating a worsening or deterioration. The appropriate words to fill in the blanks are "deterioration" and "confrontational".

Question No. 140. While the diabetes epidemic is _____ in the more developed States of the country, it is still _____ in most other States.

1. expanding, increased
2. stagnant, incremental
3. stabilizing, increasing
4. exponential, prevalence
5. gradual, prevention

Answer : stabilizing, increasing

Explanation : The sentence implies that the diabetes epidemic is showing different trends in different states. In the more developed states, it is suggested to be stabilizing, while in most other states, it is still increasing.

Question No. 141. The G20 Summit serves as a crucial platform for leaders to deliberate on pressing global issues, fostering _____ cooperation and encouraging _____ among member nations.

1. diplomatic, discord
2. economic, unanimity
3. strategic, rivalry
4. collaborative, dissent
5. cohesive, contention

Answer : collaborative, dissent

Explanation : The G20 Summit is generally a platform where leaders come together to discuss global issues and work toward cooperation. "Collaborative" indicates working together, and "dissent" implies differences in opinion or disagreement. This reflects the dynamics of the G20 Summit where leaders aim to collaborate while recognizing and addressing areas of dissent among member nations.

Question No. 142. In many cultures, millets are a _____ food, and their consumption is linked to various health benefits, including improved digestion and a _____ risk of chronic diseases.

1. staple, reduced
2. organic, definite
3. providing, numerous
4. whole, curtailing
5. complete, whole

Answer : staple, reduced

Explanation : The sentence describes millets as a significant or essential food item in many cultures, and their consumption is associated with health benefits. "Staple" implies a basic and essential food item, and "reduced" implies a lowered risk of chronic diseases.

Direction : In each of the questions, a sentence has been divided into four parts, one of which may contain an error. Identify that fragment and mark it as your answer. Mark (E) if the sentence contains no error.

Question No. 143. Neither the students nor the teacher were (A)/ satisfied with the outdated textbooks (B)/ that failed to address (C)/ current developments in their field of study. (D)/ No error (E)

1. A
2. B
3. C
4. D
5. E

Answer : A

Explanation : The error is in part (A). The subject "neither the students nor the teacher" is singular, so the verb should be "was" instead of "were."

Question No. 144. After a brief negotiation, the teacher (A)/ let the students to organize and (B)/ participate in a special event, (C)/ allowing them to showcase their creativity. (D)/ No error (E)

1. A
2. B
3. C
4. D
5. E

Answer : B

Explanation : The error is in part (B). The verb "let" should be followed by the base form of the verb, so it should be "let the students organize" instead of "let the students to organize."

Question No. 145. He never has taken (A)/ and never will take (B)/ such strong measures (C)/ at his own family members. (D)/ No error (E)

1. A
2. B
3. C
4. D
5. E

Answer : D

Explanation : The sentence contains an error in part (D). The correct preposition to use in this context is "against" instead of "at."

Question No. 146. A number of employees (A)/ from various departments (B)/ is contributing their expertise (C)/ to the project. (D)/ No error (E)

1. A
2. B
3. C
4. D
5. E

Answer : C

Explanation : The error is in part (C). The correct form should be "are contributing" instead of "is contributing" because "a number of employees" is a plural subject.

Question No. 147. Hardly had he stepped outside (A)/ than the rain started (B)/ pouring down, drenching (C)/ everything in a matter of minutes. (D)/ No error (E)

1. A
2. B

3. C
4. D
5. E
Answer : B
Explanation : The error is in part (B). The correct structure should be "Hardly had he stepped outside when the rain started" instead of "Hardly had he stepped outside than the rain started."

Direction : A sentence with four words printed in bold type is given in each of these questions. These are numbered as A, B, C, and D. One of these four words printed in bold may be either wrongly spelled or inappropriate in the context of the sentence. Find out the word that is wrongly spelled or inappropriate if any.

Question No. 148. As with **several (A)** industrialised democracies, voter **disillusionment (B)** with the principal parties is **yeilding** (C) a fragmented **polity**. (D)
1. A
2. B
3. C
4. D
5. all are correct
Answer : C
Explanation : The word that is wrongly spelled is "yeilding" in part (C). The correct spelling is "yielding."

Question No. 149. The greatest **achievement** (A) of modern **medecines** (B) has been to save us from **premature** (C) death and allow us to enjoy the full **measure** (D) of our years.
1. C
2. D
3. A
4. B
5. all are correct
Answer : B
The word that is wrongly spelled is "medecines" in part (B). The correct spelling is "medicines."

Question No. 150. The panel decided to **investigate** (A) the fraud charges **against** (B) the company, which has always been **reticent** (C) about its **internal** (D) operations.
1. A
2. B
3. C
4. D
5. all are correct
Answer : all are correct
Explanation : All the words in the sentence are correctly spelled and appropriate in the context.

Question No. 151. The researchers had **collected** (A) all the Ebola data since the start of the **epidemic** (B) and used it to **calculete** (C) the **expected** (D) number of new cases.
1. A
2. B
3. C
4. D

5. all are correct

Answer : C

Explanation : The word that is wrongly spelled is "calculete" in part (C). The correct spelling is "calculate."

Question No. 152. WhatsApp **admitted** (A) that hackers remotely installed **spyware** (B) on thousands of smartphones **exploting** (C) a **vulnerability** (D) of the messaging app.

1. A
2. B
3. D
4. C
5. all are correct

Answer : C

Explanation : The word that is wrongly spelled is "exploting" in part (C). The correct spelling is "exploiting."

Direction : In the following questions, a phrase of the sentence is highlighted in bold. Which of the options given below the sentence should replace the phrase printed in bold to make the sentence grammatically correct?

Question No. 153. The Indian Air Force has played a vital role in the nation's defense and our glorious history is **replete of numerous counts** of valour and fortitude in the face of extreme odds.

1. replete of numerous accounts
2. replete with numerous accounts
3. replete by numerous account
4. No correction required

Answer : replete with numerous accounts

Explanation : The correct preposition to use with "replete" is "with." Therefore, the corrected sentence is: "The Indian Air Force has played a vital role in the nation's defense, and our glorious history is replete with numerous accounts of valor and fortitude in the face of extreme odds."

Question No. 154. According to WWF, the small island nation of Samoa was the **first in switching off** its lights in support of the Earth Hour.

1. first to switch of
2. the first to switch off
3. the first to switch of
4. the first in switch off
5. No correction required

Answer : the first to switch off

Explanation : The correct structure is "the first to switch off." Therefore, the corrected sentence is: "According to WWF, the small island nation of Samoa was the first to switch off its lights in support of Earth Hour."

Question No. 155. Everyone around Sachin in 1988 knew that he would play for India but never thought **he would end up into** all the cricketing records possible.

1. he would end
2. he would end in
3. he would end with
4. he would end up with
5. No correction required

Answer : he would end up with

Explanation :"End up with" is a common expression used to indicate the final result or outcome. In this context, it implies that Sachin would possess or achieve all the cricketing records.

Direction : Rearrange the given parts of the sentence in the proper sequence to form a meaningful sentence.

Question No. 156
A. Prosperity and strategic cooperation.
B. Leaders discussed key global matters to reinforce
C. At the BRICS Summit 2023
D. The alliance's commitment to shared
1. DBAC
2. CBDA
3. BACD
4. ACDB
5. the given arrangement is correct
Answer : CBDA
Explanation : "At the BRICS Summit 2023, Leaders discussed key global matters to reinforce the alliance's commitment to shared prosperity and strategic cooperation."

Question No. 157
A: The Jal Jeevan Mission was launched by the government
B: Drinking water to all rural households emphasizing
C: To ensure the provision of safe and sustainable
D: Water conservation and equitable distribution.
1. CDAB
2. DACB
3. BACD
4. ACBD
5. the given arrangement is correct
Answer : ACBD
Explanation :"The Jal Jeevan Mission was launched by the government to ensure the provision of safe and sustainable drinking water to all rural households, emphasizing water conservation and equitable distribution."

Question No.158.
A: The GAGAN (GPS Aided Geo Augmented Navigation) scheme is implemented by
B: various sectors such as aviation, maritime, and disaster management
C: reliability of navigation signals hence benefiting
D: the Indian government to enhance the accuracy and
Options :
1. ABDC
2. DACB
3. ADCB
4. BACD
5. the given arrangement is correct
Answer : ADCB
Explanation :"The GAGAN (GPS Aided Geo Augmented Navigation) scheme is implemented by the Indian government to enhance the accuracy and reliability of navigation signals, hence benefiting various sectors such as aviation, maritime, and disaster management."

Direction : In each of the questions given below, four words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of words that replace each other.

Question No. 159. Union minister M.J. Akbar **newspapers** (A) to take legal action against several women **journalists** (B) who had **accused** (C) him of sexual harassment at two **threatened** (D) where he had been an editor.
1. Only A-B
2. Both A-C and B-D
3. Only B-C
4. Both A-D and B-C
5. Only A-D
Answer : Only A-D
The correct combination is to replace "newspapers" (A) with "threatened" (D) to make the sentence grammatically and contextually correct:
"Union minister M.J. Akbar threatened to take legal action against several women journalists who had accused him of sexual harassment at two newspapers where he had been an editor."

Question No. 160. Chelsea's Eden Hazard has revealed his **work** (A) for Manchester United **manager** (B) Jose Mourinho and **said** (C) the Portuguese is the one coach he would like to **appreciation** (D) with again.
1. Only B-D
2. Only A-B
3. Both A-C and B-D
4. only A-D
5. Only C-D
Answer : only A-D
Explanation : The correct combination is to replace "work" (A) with "appreciation" (D) to make the sentence grammatically and contextually correct:
"Chelsea's Eden Hazard has revealed his appreciation for Manchester United manager Jose Mourinho and said the Portuguese is the one coach he would like to work with again."

Reasoning Aptitude

Direction :Answer the questions based on the information given below.

Nine persons L, M, N, O, P, Q, R, S and T sit in a linear row and face in south direction.Only five persons like different brand of mobile i.e., Vivo, Apple, Oppo, Realme and Samsung but not necessarily in the same order. No two persons who sit adjacent to each other likes mobile. N sits third from one of the ends. Only two persons sit between L and N.
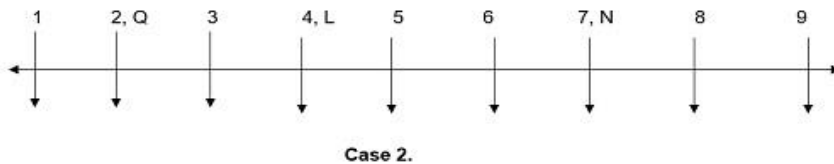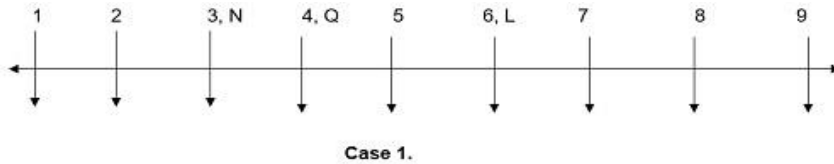
S, who likes Samsung, sit second to the left of O. Q sits second to the right of L. Five persons sit between S and M. T, who likes Realme, sits immediate right of P. N doesn't like Vivo. The one, who likes Apple, sits immediate left of R.

Solution:- N sits third from one of the ends. Only two persons sit between L and N. Q sits second to the right of L.

There will be two cases:

If N sits at place no. 3, then L will sit at place no. 6. Q will sit at place no. 4.
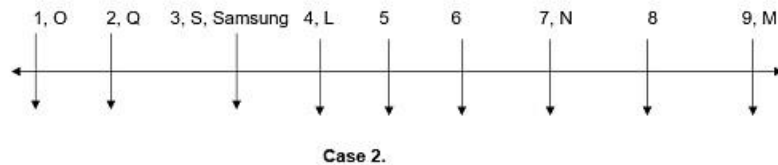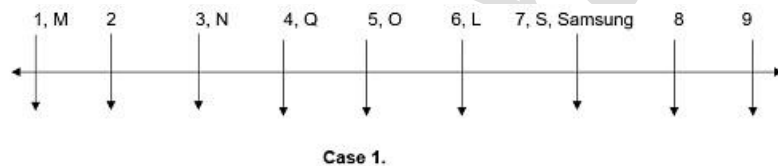
If N sits at place no. 7, then L will sit at place no. 5. Q will sit at place no. 2.

| 1 | 2 | 3, N | 4, Q | 5 | 6, L | 7 | 8 | 9 |

Case 1.

| 1 | 2, Q | 3 | 4, L | 5 | 6 | 7, N | 8 | 9 |

Case 2.

S, who likes Samsung, sit second to the left of O. Five persons sit between S and M.

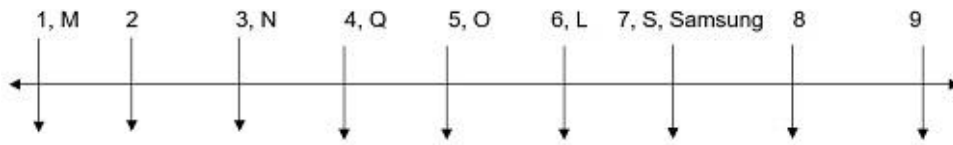If O sits at place no. 5, then S will sit at place no. 7. M will sit at place no. 1.

If O sits at place no. 1, then S will sit at place no. 3. M will sit at place no. 9.

| 1, M | 2 | 3, N | 4, Q | 5, O | 6, L | 7, S, Samsung | 8 | 9 |

Case 1.

| 1, O | 2, Q | 3, S, Samsung | 4, L | 5 | 6 | 7, N | 8 | 9, M |

Case 2.

T, who likes Realme, sits immediate right of P. N doesn't like Vivo. The one, who likes Apple, sits immediate left of R.

If P sits at place no. 9, then T will sit at place no. 8 but it will not be possible as no two persons who sit adjacent to each other likes' mobile. So, this case will get discarded.

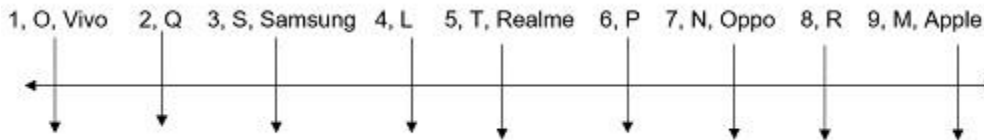| 1, M	2	3, N	4, Q	5, O	6, L	7, S, Samsung	8	9

Case 1.

If P sits at place no. 6, then T will sit at place no. 5.
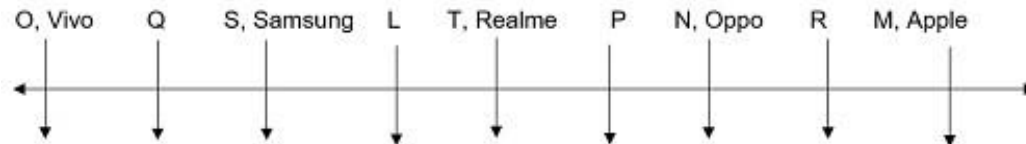If R sits at place no. 8, then the one, who likes Apple will sit at place no. 9.
As N doesn't like Vivo. So, O likes Vivo and N likes Oppo.

1, O, Vivo	2, Q	3, S, Samsung	4, L	5, T, Realme	6, P	7, N, Oppo	8, R	9, M, Apple

Case 2.

Final arrangement as shown below:

O, Vivo	Q	S, Samsung	L	T, Realme	P	N, Oppo	R	M, Apple

Question No. 161. Who likes Oppo mobile?
1. N
2. O
3. L
4. M
5. None of the above
Answer : N

Question No. 162. Who sits fourth to the right of that persons, who sits immediate right of R?
1. The one, who likes Oppo
2. The one, who likes Vivo
3. The one, who likes Samsung
4. The one, who likes Realme
5. None of the above
Answer : The one, who likes Samsung

Question No. 163. How many persons sit between R and the one, who sits immediate left of Q?
1. Two
2. Three
3. One
4. Four
5. Five
Answer : Four

Question No. 164. Who sits third to the right of L?

1. The one, who likes Oppo
2. N
3. P
4. The one, who likes Vivo
5. None of the above
Answer : The one, who likes Vivo

Direction : Answer the following question based on the given information.
Seven persons- L, M, N, O, P, Q, and R, work in three different departments- R&D, Logistic and Production of a company. There are at least two persons and at most three persons in each department. Each person likes a different flower among- Rose, Lotus, Sunflower, Marigold, Tulip, Daisy, and Jasmine, however not in this particular order.
There are only two persons in R&D. Q, who is in R&D, does not like Daisy or Marigold. L and the one, who likes Sunflower, are in the same department. L is not in R&D. R likes Jasmine. R and the one, who likes Daisy, are in the same department. No person in Production likes Daisy. N and P are in same department. N is not in the same department as L. M likes Lotus. P does not like Marigold. O and the one, who likes Tulip, are in same department.

Solution:-
Q, who is in R&D, does not like Daisy or Marigold. R likes Jasmine. M likes Lotus.
We will get the basic information as shown below:

Person	Department	Flower
L		
M		Lotus
N		
O		
P		
Q	R&D	
R		Jasmine

There are only two persons in R&D. L and the one, who likes Sunflower, are in the same department. L is not in R&D. N and P are in same department. N is not in the same department as L. No person in Production likes Daisy. P does not like Marigold. R and the one, who likes Daisy, are in the same department.
There will two cases:
Case 1.
If L is in Logistic department, then N and P will be either in Production department.
As no person in Production likes Daisy. So, O likes Daisy.
This case will get discarded as we cannot place the one, who likes Sunflower.
Case 2.
If L is in Production department, then N and P will be either in Logistic department.
The one, who likes Sunflower will be in Production department.
As no person in Production likes Daisy. So, R is in Logistic department.
Only person left who is in R&D is M.
As P does not like Marigold. So, N likes Marigold and P likes Daisy.

Person	Case 1. Department	Case 1. Flower	Case 2. Department	Case 2. Flower
L	Logistic		Production	Tulip
M		Lotus	R&D	Lotus
N	Production		Logistic	Marigold
O		Daisy	Production	Sunflower
P	Production		Logistic	Daisy
Q	R&D		R&D	Rose
R		Jasmine	Logistic	Jasmine

Final arrangement as shown below:

Person	Department	Flower
L	Production	Tulip
M	R&D	Lotus
N	Logistic	Marigold
O	Production	Sunflower
P	Logistic	Daisy
Q	R&D	Rose
R	Logistic	Jasmine

Question No. 165. How many persons are there in Logistic department and one of them likes which flower?
1. Three, Lotus
2. Two, Rose
3. Three, Sunflower
4. Three, Marigold
5. None of the above
Answer : Three, Marigold

Question No. 166. Who likes Daisy and is in which department?
1. P, Logistic
2. Q, R&D
3. P, Production
4. O, Logistic
5. More than one option is correct
Answer : P, Logistic

Question No. 167. Who among the following are in Logistic department?
1. R
2. L
3. N
4. Q
5. More than one option is correct
Answer : More than one option is correct

Question No. 168. Which of the following pair of person and flower is/are correct?

1. O, Sunflower
2. P, Rose
3. Q, Tulip
4. N, Daisy
5. More than one option is correct
Answer : O, Sunflower

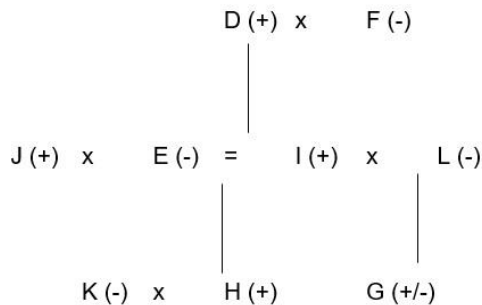**Direction : Answer the questions based on the information given below.**
There are nine members D, E, F, G, H, I, J, K and L in a family of three generations. No single person in the family is a parent. H's mother is daughter of D. L is daughter in law of D, who is grandfather of G. G is only child of I. J is brother-law of I. K is daughter-in-law of J, who is married to E.

Question No. 169. How is G related to H?
1. Brother
2. Sister
3. Wife
4. Cousin
5. None of the above
Answer : Cousin
Explanation :

```
                   D (+)  x      F (-)
                     |
                     |
  J (+)   x     E (-)  =      I (+)   x      L (-)
                |                    |
                |                    |
      K (-)   x      H (+)        G (+/-)
```
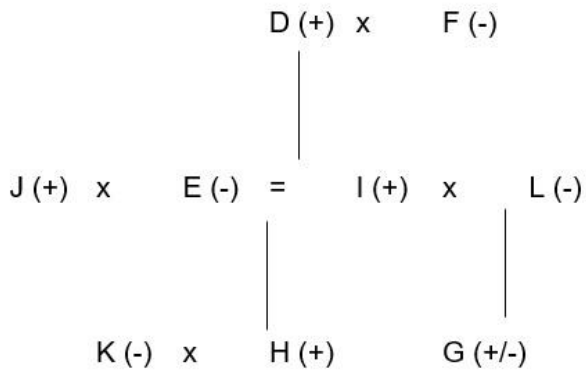
Question No. 170. Which of the following statements is definitely true?
1. G is granddaughter of D
2. L is son-in-law of F
3. H is only daughter of J
4. D has two grandsons
5. E is aunt of G
Answer : E is aunt of G
Explanation :

D (+) x   F (-)

J (+) x   E (-) =   I (+) x   L (-)

K (-) x   H (+)   G (+/-)

Direction : In the questions given below there are three statements followed by three conclusions I, II and III. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions definitely follows from the given statements disregarding commonly known facts.

Question No. 171. Statements:
Some Garbage are Dustbin
No Dustbin is Plastic
All Plastic are Storage
Conclusions:
I. Some Storage are not Dustbin
II. No Garbage is Storage
III. All Dustbin are Storage
1. Only conclusion I follows
2. Only conclusion III follows
3. Only conclusions I and III follow
4. Only conclusions II and III follow
5. Only conclusions I and II follow
Answer : Only conclusion I follows
No Dustbin is Plastic (E) + All Plastic are Storage (A) → Some Storage are not Dustbin (O*). Hence conclusion I follows but conclusion III does not follow.
Some Garbage are Dustbin (I) + No Dustbin is Plastic (E) → Some Garbage are not Plastic (O) + All Plastic are Storage (A) → No conclusion. Hence conclusion II does not follow.

Question No. 172. Statements:
Only Rose are Lotus
Only a few Rose are Daisy
No Rose are Tulip
A few Tulip are Sunflower
Conclusions:
I. At least Some Rose are not Daisy
II. Some Lotus being Sunflower is a possibility
III. All Sunflower being Rose is a possibility
1. Only conclusion I follows
2. Only conclusion II follows
3. Only conclusion III follows
4. Only conclusion I and II follows
5. Only conclusion II and III follows
Answer : Only conclusion I follows
Explanation : Only a few Rose are Daisy → Some Rose are not Daisy (I). Hence conclusion I follows.

Only Rose are Lotus → All Lotus are Rose and Lotus cannot have any positive relation with anyone. Hence neither conclusion II nor III follow.

Question No. 173. Statements:
All Planet are Orbit
All Orbit are Constellations
Only a few Constellations are Galaxy
Only Galaxy are Comet
Conclusions:
I. All Comet being Orbit is a possibility
II. Some Constellations are Planet
III. Some Comet can never be Orbit
1. Only conclusions I and III follow
2. Only conclusion II follows
3. Only conclusion III follows
4. Only conclusions I and II follow
5. Only conclusions II and III follow
Answer : Only conclusions II and III follow
Explanation : Only Galaxy are Comet → All Comet are Galaxy and Comet cannot have any positive relation with anyone. Hence conclusion I does not follow.
All Planet are Orbit (A) + All Orbit are Constellations (A) → All Planet are Constellations (A) → Conversion → Some Constellations are Planet (I). Hence conclusion II follows.
Only Galaxy are Comet → All Comet are Galaxy and Comet can have negative relation with anyone. Hence conclusion III follows.

Direction : The question consists of two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Question No. 174. Six persons, P through U are of different ages. Who is the oldest person?
Statement I: R is older than only U. S is older than P but younger than Q.
Statement II: Q is not the oldest person. S is older than U
1. The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
2. The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
3. The data either in statement I alone or in statement II alone are sufficient to answer the question
4. The data given in both statements I and II together are not sufficient to answer the question
5. The data in both statements I and II together are necessary to answer the question
Answer : The data in both statements I and II together are necessary to answer the question
Explanation : From statement I alone, R is older than only U. S is older than P but younger than Q. But the oldest person cannot be determined. So, Statement I alone is not sufficient.
From statement II alone, Q is not the oldest person. S is older than U. But the oldest person cannot be determined. So, statement II alone is not sufficient.On combining both statements, we will get, T > Q > S > P > R > U.

Direction : The question consists of two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

Question No. 175. Five persons A, B, C, D and E are sitting in a row facing north. Who among the following sits at the extreme right end?
I. E sits second to the left of C. B does not sit adjacent to C, who doesn't sit at any end. D sits to the right of A but not adjacent to B.

II. A sits exactly between B and D. E sits third to the left of D. C does not sit at any end.

1. The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question

2. The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question

3. The data either in statement I alone or in statement II alone are sufficient to answer the question

4. The data given in both statements I and II together are not sufficient to answer the question

5. The data in both statements I and II together are necessary to answer the question

Answer : The data either in statement I alone or in statement II alone are sufficient to answer the question

Explanation : Now, from statement I, E sits second to the left of C. B does not sit adjacent to C, who doesn't sit at any end. D sits to the right of A but not adjacent to B. So, the possible arrangements is, B E A C D**.** So, statement I alone is sufficient.

Now, from statement II, A sits exactly between B and D. E sits third to the left of D. C does not sit at any end. So, the possible arrangement is, B E A C D

So, statement II alone is sufficient. Therefore, D sits at the extreme right end.

Question No. 176. There are six persons F, G, H, I, J and K each having different weights. Who is the third heaviest person?

Statement I: G is heavier than F, who is heavier than J, who is not the lightest. I is heavier than only one person. G is not the heaviest.

Statement II: Only three persons are heavier than J, who is heavier than I. I is not the lightest. G is heavier than F and neither of them is lighter than J.

1. The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question

2. The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question

3. The data either in statement I alone or in statement II alone are sufficient to answer the question

4. The data given in both statements I and II together are not sufficient to answer the question

5. The data in both statements I and II together are necessary to answer the question

Answer : The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question

Explanation : From I,

Now, G is heavier than F, who is heavier than J, who is not the lightest. I is heavier than only one person. G is not the heaviest.

So, we get the following arrangement: __ > G > F > J > I > __

So, F is the third heaviest person.

From II,

Now, only three persons are heavier than J, who is heavier than I. I is not the lightest. G is heavier than F and neither of them is lighter than J.

So, we get the following possible arrangements,

G > __ > F > J > I > __

__ > G > F > J > I > __

G > F > __ > J > I > __

Statement II is not sufficient to answer the question.

Direction : Answer the questions based on the information given below.

In a certain code language,

'Champion deals on sellers' is coded as 'gr, mp, hs, rp'
'Black genuine leather on' is coded as 'mp, nv, su, tn'
'Leather on sellers clutch cotton' is coded as 'kq, fq, mp, tn, rp'
 'Deals stylish genuine cotton' is coded as 'bd, su, gr, fq'

Question No. 177. Which of the following word is coded as 'su'?

1. Leather
2. Black
3. Stylish
4. Genuine
5. On
Answer : Genuine
Explanation : champion – hs
deals – gr
on – mp
sellers – rp
black – nv
genuine – su
leather – tn
clutch – kq
cotton – fq
stylish – bd

Question No. 178. What is the code for 'black cotton'?

1. kq, fq
2. nv, kq
3. fq, nv
4. tn, bd
5. fq, tn
Answer : fq, nv
Explanation : champion – hs
deals – gr
on – mp
sellers – rp
black – nv
genuine – su
leather – tn
clutch – kq
cotton – fq
stylish – bd

Question No. 179. Which of the following set of word is coded as 'hs, kq'?

1. champion cotton
2. champion clutch
3. clutch genuine
4. genuine stylish

5. cotton clutch

Answer : champion clutch

Explanation : champion – hs

deals – gr

on – mp

sellers – rp

black – nv

genuine – su

leather – tn

clutch – kq

cotton – fq

stylish – bd

Question No. 180. What is the code for 'stylish?

1. kq

2. nv

3. fq

4. tn

5. bd

Answer : bd

Explanation : champion – hs

deals – gr

on – mp

sellers – rp

black – nv

genuine – su

leather – tn

clutch – kq

cotton – fq

stylish – bd

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Quantitative Aptitude

Question No. 181. The breadth of a rectangle is increased by 10 cm, it will become twice the length of the rectangle. If the new perimeter is 336 cm, then find the original area (in sq.cm) of the rectangle.
1. 2576
2. 2444
3. 3021
4. 2958
5. 3127
Answer : 2576
Let the length of the rectangle be l cm.
Breadth = 2l cm
According to the question,
=> 2(l + 2l) = 336
=> 3l = 168
=> l = 56
So, breadth = 56 - 10 = 46 cm
Original area = 56 × 46 = 2576 cm^2

Question No. 182. Meenu spent 10% of the salary on entertainment and 20% on makeup. She spent 20% of the remaining on the food and 50% of the remaining invested in mutual funds and remaining she spent on clothing. If the amount she spent on entertainment and makeup together is Rs.6000, then find the amount she spent on clothing?
1. Rs.8000
2. Rs.6050
3. Rs.7400
4. Rs.8800
5. Rs.5600
Answer : Rs.5600
Explanation : Let the salary be Rs.100x.
Salary spent on entertainment and makeup together = 30% of 100x = 30x
Salary spent on food = 20% of (100x – 30x) = 14x
Remaining salary = 70x – 14x = 56x
Salary invested in mutual funds = 50% of 56x = 28x
Amount she spent on clothing = 6000 × (28x/30x) = Rs.5600

Direction : Find out the wrong number in the following number series.

Question No. 183. 105 112 133 168 216 280 357
1. 280
2. 112
3. 105
4. 216
5. 168
Answer : 216
Explanation : 105 + (7 × 1) = 112
112 + (7 × 3) = 133

$133 + (7 \times 5) = 168$
$168 + (7 \times 7) = \mathbf{217}$
$217 + (7 \times 9) = 280$
$280 + (7 \times 11) = 357$

Direction : Find out the wrong number in the following number series.

Question No. 184. 16 18 25 52 116 241 457
1. 457
2. 25
3. 52
4. 116
5. 18
Answer : 18
Explanation : $16 + 1^3 = \mathbf{17}$
$17 + 2^3 = 25$
$25 + 3^3 = 52$
$52 + 4^3 = 116$
$116 + 5^3 = 241$
$241 + 6^3 = 457$

Direction : Find out the wrong number in the following number series.

Question No. 185. 18 45 90 235 450 1125 2250
1. 235
2. 2250
3. 450
4. 90
5. 1125
Answer : 235
Explanation : $18 \times 2.5 = 45$
$45 \times 2 = 90$
$90 \times 2.5 = \mathbf{225}$
$225 \times 2 = 450$
$450 \times 2.5 = 1125$
$1125 \times 2 = 2250$

Direction : **Find out the wrong number in the following number series.**

Question No. 186. 99 124 160 209 273 355 454
1. 355
2. 124
3. 209
4. 454
5. 273
Answer : 355
Explanation : $99 + 25 = 124$
$124 + 36 = 160$
$160 + 49 = 209$
$209 + 64 = 273$
$273 + 81 = \mathbf{354}$
$354 + 100 = 454$

Direction : Find out the wrong number in the following number series.

Question No. 187. 126 130 114 150 82 186 42

1. 42
2. 186
3. 114
4. 82
5. 150

Answer : 82

Explanation : $126 + 2^2 = 130$

$130 - 4^2 = 114$

$114 + 6^2 = 150$

$150 - 8^2 = \mathbf{86}$

$86 + 10^2 = 186$

$186 - 12^2 = 42$

Question No. 188. 4 years ago, Amandeep's age was 1.5 times that of Amanpreet. 4 years from now, the age difference between Amandeep and Amanpreet will be 20 years. What is Amandeep's current age?

1. 85
2. 75
3. 64
4. 65
5. none of these

Answer : 64

Explanation : ATQ,

Let the present age of Amandeep and Amanpreet be a and b years respectively

Therefore,

$a - 4 = 1.5(b - 4)$

And $a + 4 - b - 4 = 20$

Solving, both the equations, we get

$a = 64$

Question No. 189. Amit invested 'x' on simple interest at 12% for 7 years and (x + 400) on compound interest at 10% p.a for 2 years. At the end of nine years, he will received a total interest of Rs.1,344 then find the value of 'x'?

Options :

1. Rs.1200
2. Rs.1100
3. Rs.1001
4. Rs.1256
5. none of these

Answer : Rs.1200

Explanation : ATQ,

$\{x \: [[1 + (12 \times 7)/100] - 1] \} + \{ (x + 400) \: [[1 + (10/100)]^2 - 1] \}= 1344$

on sloving we get x = Rs.1200

Question No. 190. Anmol can do a piece of work in 30 days, Bineet can complete double the work in 90 days and Chintu can do the work in 60 days. If all of them jointly gets Rs.2600. then, what will be the money earned by Anmol.

1. Rs.1200
2. Rs.1000
3. Rs.1500
4. Rs.1800
5. none of these

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Answer : Rs.1200
Explanation : ATQ, we can say that
Time taken by Anmol = 30 days
Time taken by Bineet = 45 days (Since, Bineet is working double in 90 days)
Time taken by Chintu = 60 days
Let the total work be done by them is 180 units.
Anmol's one day work = (180/30) = 6 units
Bineet's one day work = (180/45) = 4 units
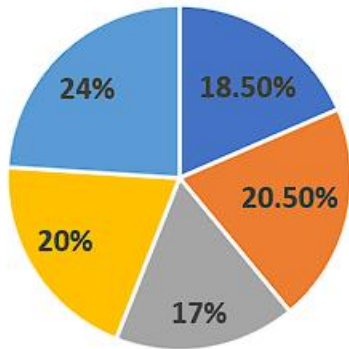Chintu's one day work =(180/60) = 3 units
Hence, the Amount earned by Anmol is = (2600/13) x 6 = Rs.1200

Quantitative Aptitude

Direction : Answer the questions based on the information given below.
The pie chart given below shows the percentage distribution of the population of five different apartments in a city.
Total population = 8000

24% 18.50%
20.50%
20%
17%

■ A ■ B ■ C ■ D ■ E

The table given below shows the percentage distribution of the male in these five apartments.

Subjects	Percentage distribution of males in these five apartments.
A	70%
B	85%
C	65%
D	88%
E	75%

Question No. 191. Find the ratio of male to female in apartment B and C together.
1. 1139:361
2. 1109:361
3. 1139:301
4. 1039:360
5. 1239:361

Answer : 1139:361

Explanation :

Apartments	Population	Number of males	Number of females
A	18.5% of 8000 = 1480	1480 × 70/100 = 1036	1480 − 1036 = 444
B	20.5% of 8000 = 1640	1640 × 85/100 = 1394	1640 − 1394 = 246
C	17% of 8000 = 1360	1360 × 65/100 = 884	1360 − 884 = 476
D	20% of 8000 = 1600	1600 × 88/100 = 1408	1600 − 1408 = 192
E	24% of 8000 = 1920	1920 × 75/100 = 1440	1920 − 1440 = 480

Required ratio = (1394 + 884) : (246 + 476) = 2278 : 722 = 1139:361

Question No. 192. Find the average of females living in apartment B, D and E.

1. 316
2. 300
3. 336
4. 306
5. 301

Answer : 306

Apartments	Population	Number of males	Number of females
A	18.5% of 8000 = 1480	1480 × 70/100 = 1036	1480 − 1036 = 444
B	20.5% of 8000 = 1640	1640 × 85/100 = 1394	1640 − 1394 = 246
C	17% of 8000 = 1360	1360 × 65/100 = 884	1360 − 884 = 476
D	20% of 8000 = 1600	1600 × 88/100 = 1408	1600 − 1408 = 192
E	24% of 8000 = 1920	1920 × 75/100 = 1440	1920 − 1440 = 480

Required average = (246 + 192 + 480)/3 = 306

Question No. 193. If total number of males in apartment F is 40 more that the number of males in apartment C, and the ratio of male to female in apartment F is 3:2, find the number of females in apartment F.

1. 560
2. 500
3. 540
4. 520
5. 530

Answer : 560

Explanation :

Apartments	Population	Number of males	Number of females
A	18.5% of 8000 = 1480	1480 × 70/100 = 1036	1480 − 1036 = 444
B	20.5% of 8000 = 1640	1640 × 85/100 = 1394	1640 − 1394 = 246
C	17% of 8000 = 1360	1360 × 65/100 = 884	1360 − 884 = 476
D	20% of 8000 = 1600	1600 × 88/100 = 1408	1600 − 1408 = 192
E	24% of 8000 = 1920	1920 × 75/100 = 1440	1920 − 1440 = 480

Female in apartment F = (1360 + 40) × 2/5 = 560

Question No. 194. Total number of males in department C is approximately what percentage of total number of females in apartment A.
1. 206%
2. 106%
3. 306%
4. 320%
5. 333%
Answer : 306%
Explanation :

Apartments	Population	Number of males	Number of females
A	18.5% of 8000 = 1480	1480 × 70/100 = 1036	1480 − 1036 = 444
B	20.5% of 8000 = 1640	1640 × 85/100 = 1394	1640 − 1394 = 246
C	17% of 8000 = 1360	1360 × 65/100 = 884	1360 − 884 = 476
D	20% of 8000 = 1600	1600 × 88/100 = 1408	1600 − 1408 = 192
E	24% of 8000 = 1920	1920 × 75/100 = 1440	1920 − 1440 = 480

Required% = 1360/444 × 100 = 306%

Question No. 195. Which of the following apartments have the highest number of females.
1. A
2. B
3. C
4. D
5. E
Answer : E
Explanation :

Apartments	Population	Number of males	Number of females
A	18.5% of 8000 = 1480	1480 × 70/100 = 1036	1480 – 1036 = 444
B	20.5% of 8000 = 1640	1640 × 85/100 = 1394	1640 – 1394 = 246
C	17% of 8000 = 1360	1360 × 65/100 = 884	1360 – 884 = 476
D	20% of 8000 = 1600	1600 × 88/100 = 1408	1600 – 1408 = 192
E	24% of 8000 = 1920	1920 × 75/100 = 1440	1920 – 1440 = 480

In Apartment E, number of females is heights.

Question No. 196. A team of 32 men and 28 women can complete a task in 60 days. When an additional eight men join the team, they are able to finish (4/5) of the same task in 40 days. What is the amount of time needed for 84 women to complete 200% of the same task?
1. 120 days
2. 150 days
3. 100 days
4. 200 days
5. none of these
Answer : 200 days
Explanation : ATQ,
Let the efficiency of a man and a women be 'a' and 'b' units/day respectively
Then,
[(32a + 28b) × 60]/1 = [(40a + 28b) × 40]/(4/5)
192a + 168b = 200a + 140b
(a/b) = (7/2)
Total work = [((32 × 7) + (28 × 2)) × 60]
= 16800 units
hence required days = [(2 × 16800) /(84×2)]
= 200 days

Direction :What approximate value will come in place of the question mark (?) in the following question?(Note: You are not expected to calculate the exact value.)

Question No. 197. $(12.21 \times 5.05) + 56.11 - (4.96)^2 = ?$
1. 91
2. 25
3. 55
4. 115
5. none of these
Answer : 91
ATQ,
$(12.21 \times 5.05) + 56.11 - (4.96)^2 = ?$
$(12 \times 5) + 56 - (5)^2 \sim ?$
$60 + 56 - 25 \sim ?$
$? \sim 91$

Direction : What approximate value will come in place of the question mark (?) in the following question?

(Note: You are not expected to calculate the exact value.)

Question No. 198. 24.912% of 659.75 + 25.05 × ? = 765.07

1. 24
2. 5
3. 55
4. 95
5. none of these

Answer : 24

Explanation : ATQ,

24.912% of 659.75 + 25.05 × ? = 765.07

25% of 660 + 25 × ? ~ 765

165 + 25 × ? ~ 765

25 × ? ~ 600

? ~ 24

Question No. 199. 24.75% of 30.125% of 18.055% of 5999.96 = ?

1. 281
2. 181
3. 20
4. 81
5. none of these

Answer : 81

Explanation : ATQ,

24.75% of 30.125% of 18.055% of 5999.96 = ?

25% of 30% of 18% of 6000 = ?

? = 0.25 × 0.30 × 0.18 × 6000

? = 81

Question No. 200. 3090.06 ÷ 15.05 + 50% of 235.98 = $?^2$

1. 65
2. 18
3. 125
4. 335
5. none of these

Answer : 18

Explanation : ATQ,

3090.06 ÷ 15.05 + 50% of 235.98 = $?^2$

3090 ÷ 15 + 0.5 × 236 = $?^2$

206 + 118 = $?^2$

$?^2$ = 324

? = 18