Memory Based Paper

NABARD Grade A 2023 Phase I Shift II

"EVERYTHING AFFECTS EVERYTHING. DON'T NEGLECT SMALL DAILY DISCIPLINES"

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ARD

Question No. 1. Scientific name of Cowpea

1. Cicer arietinum
2. Vigna unguinculata
3. Arachis hypogea
4. Ricinus communis
5. Sesamum indicum

Answer : Vigna unguinculata

Explanation : Cowpea, which is scientifically known as Vigna unguiculata, belongs to the family Fabaceae.

Question No. 2. Generation system of seed multiplication is the production of a particular class of seed from specific class of seed up to certified seed stage. The Progeny of breeder seed is

1. Nucleus seed
2. Breeder seed
3. Foundation seed
4. Truthfully label seed
5. Registered seed

Answer : Foundation seed

Foundation seed is the progeny of breeder seed and is produced by State Farm Corporation of India.

Question No. 3. The purpose of a ……………. is to reduce rotational friction and support radial and axial loads.

1. Ball Bearing
2. Angular Contact Ball Bearing
3. Thrust bearing
4. A and B
5. B only

Answer : Ball Bearing

Ball bearings use spherical balls to minimize friction and support radial and axial loads. These bearings are highly efficient and commonly used in many industrial and automotive applications due to their versatility and durability.

Question No. 4. Which is the fastest growing Indian major carp species?

1. Rohu
2. Catla
3. Mrigal
4. Tilapia
5. All of these

Answer : Catla

Catla is the fastest growing Indian major carp species and widely distributed throughout India, Nepal, Pakistan, Burma and Bangladesh. It attains maturity in the second year of life and carry over 70 000 egg per kg body weight.

Question No. 5. To protect farmers from sharp fall in farm prices. The minimum support prices are a guarantee price for their produce from the Government, MSP is announced by the Government of India. MSP of wheat is ___

1. 2125
2. 2025
3. 1985
4. 2142
5. 2183

Answer : 2125- MSP of wheat for RMS 2023-24 is Rs 2125/quintal.

Question No. 6. Small etiolated area develops near the distal end of the fruit which gradually spreads, turns nearly black and covers the tip of the fruit completely. The black area remains hard and the growth of the fruit is checked in case of mango. Identify the disease in Mango.
1. Clustering
2. Black Tip
3. Jhumka
4. Spongy Tissues
5. Anthracnose
Answer : Black Tip
Black Tip (Chimney disease)
Symptoms: Small etiolated area develops near the distal end of the fruit which gradually spreads, turns nearly black and covers the tip of the fruit completely. The black area remains hard and the growth of the fruit is checked.

Question No. 7. Field capacity is the upper limit of available soil moisture. At field capacity, how much is the suction pressure?
1. 0.10 to 0.33 bars
2. 15 bars
3. 60 bars
4. A and B
5. C only
Answer : 0.10 to 0.33 bars
At field capacity, the soil moisture tension depending on the soil texture ranges from 0.10 to 0.33bars.

Question No. 8. How much is the gestation Period of Swine?
1. 115 days
2. 248 days
3. 310 days
4. 198 days
5. 210 days
Answer : 115 days
Generally, the length of time a sow is pregnant, or gestating, is about 115 days, or 3 months, 3 weeks, and 3 days.

Question No. 9. The process of exposing transplant seedlings gradually to outdoor condition is termed as …………
1. Sowing
2. Hardening
3. Thinning
4. Tilling
5. Acclimatization
Answer : Hardening
Explanation : Hardening off refers to gradually exposing young plants to harsher outdoor conditions.

Question No. 10. The practice of forestry in areas devoid of tree growth and other vegetation with the objective of increasing the area under tree growth………..
1. Extension Forestry
2. Social forestry
3. Aesthetic Forestry
4. Recreational Forestry
5. All of these

Answer : Extension Forestry
Explanation : Extension Forestry: It is the practice of forestry in areas devoid of tree growth and other vegetation situated in places away from the conventional forest areas with the object of increasing the area under tree growth.

Question No. 11. The breed of cattle which is a good Milk yielder, with long pendulated ears
1. Gir
2. Hariana
3. Amritmahal
4. Tharparkar
5. Mehsana
Answer : Gir
Gir:
•   This breed is otherwise called as Bhadawari, Desan, Gujarati, Kathiawari, Sorthi, and Surati.
•   Originated in Gir forests of South Kathiawar in Gujarat also found in Maharashtra and adjacent Rajasthan.
•   Basic colours of skin are white with dark red or chocolate-brown patches or sometimes black or purely red.
•   Horns are peculiarly curved, giving a 'half moon' appearance.
•   Milk yield ranges from 1200-1800 kgs per lactation.

Question No. 12. Which female hormone is produced by the corpus luteum favoring the implementation of embryo?
1. Testosterone
2. Estrogen
3. Ecdysone
4. Progesterone
5. Oxytocin
Answer : Progesterone
Progesterone is the substance secreted by the corpus luteum.

Question No. 13. ……………………. involves in the accreditation of Certification Bodies, standards for organic production, promotion of organic farming and marketing etc.
1. NAFED
2. APEDA
3. NIAM
4. NAARM
5. MANAGE
Answer : APEDA
The APEDA, Ministry of Commerce & Industries, Government of India involves the accreditation of Certification Bodies, standards for organic production, promotion of organic farming and marketing etc.

Question No. 14. Debeaking, also called beak trimming, is a partial removal of the beak of poultry, especially layer hens, when layer hens are confined to a chicken house, farmers generally trim their beaks to prevent them from pecking (and possibly hurting) one another. Debeaking in hen is done in how many days?
1. 10 days
2. 2 months
3. 1 year
4. 60 days
5. 24 Days
Answer : 10 days
Beak trimming can be conducted on the rearing farm, usually when birds are between 5-10 days of age, using a hot-blade (HB) technique.

Question No. 15. Incubation period of chickens is ___

1. 21 days
2. 42 days
3. 60 days
4. 50 days
5. 100 days

Answer : 21 days

The incubation period for chicken eggs is 20 to 21 days.

Question No. 16. This is the outermost layer of the atmosphere. In this layer, atoms and molecules escape into space and satellites orbit the earth. The layer is

1. Troposphere
2. Stratosphere
3. Mesosphere
4. Exosphere
5. Lithosphere

Answer : Exosphere

Exosphere is the outermost layer of the atmosphere. In this layer, atoms and molecules escape into space and satellites orbit the earth.

Question No. 17. The 'Lakhpati Didi' scheme stands as a visionary initiative by the Indian government, reflecting its commitment to women's empowerment and socio-economic progress. It runs under which ministry?

1. Ministry of Women and Child Development
2. Ministry of rural development
3. Ministry of MSME
4. Both a and c
5. None of the above

Answer : Ministry of rural development

The Lakhpati Didi initiative, part of the DAY-NRLM, aims to provide skill training to two crore women. DAY-NRLM is a flagship poverty alleviation program implemented by the Ministry of Rural Development, Government of India.

Question No. 18. For newly born chicks for how many hours they should not be fed with anything?

1. 3 days
2. 5 days
3. 72 hours
4. 24 hours
5. 1 month

Answer : 24 hours

Explanation :

Newly-hatched chicks have recently absorbed the egg yolk, they do not need to eat or drink for at least 24 hours.

Question No. 19. The Agricultural and Processed Food Products Export Development Authority exports which of the following?

1. Peanut and walnut
2. Pickles
3. Flowers
4. Honey, Jaggery and Sugar Products
5. All of the above

Answer : All of the above

The Agricultural and Processed Food Products Export Development Authority (APEDA) was established by the Government of India under the Agricultural and Processed Food Products Export Development Authority Act passed by the Parliament in December, 1985. All of the products are exported by APEDA.

Question No. 20. For which of the following a farmer can avail crop insurance under PMFBY
1. Notified crops
2. All crops
3. Cereal crops
4. Only cereals and pulses
5. Horticulture crops
Answer : All crops
Crops coverage: Food crops (Cereals, Millets and Pulses), Oilseeds, Annual Commercial / Annual Horticultural crops.

Question No. 21……………….. is a soil conservation technique used to keep rainwater runoff from collecting on sloping ground and causing catastrophic erosion.
1. Terrace
2. Contouring
3. Bunding
4. a and b
5. b only
Answer : Terrace
Terracing is a soil conservation practice applied to prevent rainfall runoff on sloping land from accumulating and causing serious erosion.

Question No. 22…………….. refers to removal of field heat (quick cooling) after harvest; if not, its deterioration is faster at higher temperature of 1 hour at 320C
1. Pre-cooling
2. Ripening
3. Degreening
4. Pre-sorting
5. All of these
Answer : Pre-cooling
Pre-cooling refers to the rapid removal of field heat shortly after the harvest of a crop.

Question No. 23. In the Union Budget 2023–24, Smt. Nirmala Sitharaman, the Union Finance Minister, introduced a new innovative programme called the Amrit Darohar Scheme. The objective of Amrit Darohar is __
1. Species and habitat conservation
2. Wetland livelihoods
3. Wetland carbon
4. Natural tourism
5. All of the above
Answer : All of the above
Highlighting the importance of local communities in conserving the wetland ecosystem, Finance Minister announced the Amrit Darohar scheme which promote their unique conservation values. This scheme was implemented to encourage optimal use of wetlands, and enhance bio-diversity, carbon stock, eco-tourism opportunities and income generation for local communities.

Question No. 24. Which company is manufacturing nano urea in India?
1. KRIBHCO
2. IFFCO
3. TATA
4. RCFL
5. YARA
Answer : IFFCO
India Farmers Fertilizer Cooperative Limited (IFFCO) is the producer of Nano Urea.

Question No. 25. An agricultural revolution is when farming changes a lot in a short time. These revolutions have led to transformative outcomes in the country's agricultural sector. one such was grey revolution. Grey revolution is related to ……….
1. Biofuel
2. Fertilizer
3. Horticultural crops
4. Prawns
5. Potato
Answer : Fertilizer
Grey revolution is related to increased fertilizer production.

Question No. 26. What is the purpose of puddling done in paddy cultivation?
1. To create an impermeable layer in soil
2. To infiltrate more water
3. To turn the soil upside down
4. To break the clods
5. None of them
Answer : To create an impermeable layer in soil
Purpose of puddling is to create an impermeable layer in soil.

Question No. 27. Which of the following statement is correct about Rouging?
1. Removal of off type
2. Introduction of new varieties
3. Improving soil fertility
4. Treating the plants with biofertilizers
5. All of these
Answer : All of these
The removal of plants which may be off types/diseased/noxious weeds that are liable to multiply with the seed crop, thus effecting the purity of future generations are called rouging.

Question No. 28. Which of the following statement is correct about the objectives of Agri-clinic and Agri Business centers?
1. To supplement efforts of public extension by necessarily providing extension and other services to the farmers on payment basis or free of cost as per business model of agri-preneur, local needs and affordability of target group of farmers
2. To support agricultural development
3. To create gainful self-employment opportunities to unemployed agricultural graduates, agricultural diploma holders, intermediate in agriculture and biological science graduates with PG in agri-related courses
4. Ceiling of project cost for subsidy has been enhanced to Rs.20 lakhs for an individual project (25 lakhs in case of extremely successful individual projects) and to Rs.100 lakhs for a group project.
5. All of these
Answer : All of these
The ACABC scheme is being implemented by Ministry of Agriculture and Farmers' Welfare, Government of India, with NABARD acting as subsidy channelising agency.

Question No. 29. Millets are a highly varied group of small-seeded grasses, widely grown around the world as cereal crops or grains for fodder and human food. Which is not considered as a millet?
1. Corn
2. Jowar
3. Ragi
4. Bajra
5. All of these
Answer : Corn
Among the following, corn is not an example of millets.

Question No. 30. What is the purity percentage of Certified seed?
1. 100%
2. 99.5%
3. 99%
4. 90%
5. None of these
Answer : 99%
Certified seed
The seed of this class is normally produced by the State and National Seeds Corporation and Private Seed companies on the farms of progressive growers. This is the commercial seed which is available to the farmers and its genetic purity should be 99 per cent.

Question No. 31. Which of the following soil type have low water retention capacity?
1. Clay soil
2. Sandy soil
3. Black soil
4. Sandy-loam
5. All of these
Answer : Sandy soil
Clayey soil contains small sized particles, which have higher water retention while, sandy contains large particles leading to low water retention capacity in case of sandy soils.

Question No. 32. The Command Area Development & Water Management (CADWM) Program was started as a Centrally Sponsored Scheme in the year 1974-75 with the objective to bridge the gap between irrigation potential created and utilized. It is under the ministry of ___
1. Ministry of Rural Development
2. Ministry of Jal Shakti
3. Ministry of Culture
4. Ministry of Agriculture & Farmers' welfare
5. None of them
Answer : Ministry of Jal Shakti
Command Area Development & Water Management (CADWM) scheme was started as a centrally sponsored scheme in the year 1974-75 with the objective to bridge the gap between irrigation potential created and utilized. It is under the ministry of Jal Shakti.

Question No. 33. Which of the following minerals in which Phosphorus is more?
1. Basalt
2. Quartz
3. Tourmaline
4. Apatite
5. All of these
Answer : Apatite
Apatite is the most abundant phosphate mineral, which accounts for more than 95% of all phosphorus in the Earth's crust.

Question No. 34. Trees are grown for their economic importance or aesthetic value or both. The cultivation of trees for their aesthetic or recreational value is known as
1. Olericulture
2. Pomology
3. Landscape gardening
4. Arboriculture
5. None of these
Answer : Arboriculture
The cultivation of trees for their aesthetic or recreational value is known as arboriculture.

Question No. 35. Which of the following process involves the pouring of liquid preparations down the throat of an animal?
1. Drenching
2. Intravenous
3. Gastric gavage
4. Epidural
5. All of these
Answer : Drenching
Drenching is the forced pouring of liquid preparations down the throat of an animal.
Drenching can be used for all livestock. During drenching, the animal's head must be raised so that the liquid does not enter the lungs.

Question No. 36…………is a pretreatment of seeds that aims to break seed dormancy through puncturing, burning, breaking, filing, and scratching with knives, needles, sandpaper, and other tools Stratification
1. Scarification
2. Stratification
3. Smoking
4. Curing
5. All of these
Answer : Scarification
Scarification is a pretreatment of seeds that aims to break seed dormancy and accelerate the occurrence of uniform seed germination.

Question No. 37. National Agriculture Market (eNAM) is a pan-India electronic trading portal which networks the existing APMC mandis to create a unified national market for agricultural commodities. Budgetary allocation of e-NAM?
1. 200 crore
2. 100 crore
3. 150 crore
4. 300 crore
5. 50 crore
Answer : 200 crore
Government approved a Central Sector Scheme for "Promotion of National Agriculture Market (NAM) through Agri-Tech Infrastructure Fund (ATIF) on 01st July, 2015 with a budget allocation of Rs. 200 crore.

Question No. 38. Which type of surface irrigation, fields is divided into strips that are separated by border ridges running through gradient of field?
1. Flood Irrigation
2. Bunding
3. Check-Basin
4. Cab legation
5. Border Irrigation
Answer : Border Irrigation

The land is divided into a number of strips separated by low leaves called borders. Water is allowed to flow from the supply ditch into each strip.

Question No. 39. The amount of water in the soil that percolates downward under the influence of gravity and reaches the water table is called………………
1. FC
2. PWP
3. Gravitational Water
4. Hygroscopic Water
5. All of these
Answer : Gravitational Water
The amount of water in the soil that percolates downward under the influence of gravity and reaches the water table is called gravitational water.

Question No. 40………………… consists of construction of series of platforms along contours cut into hill slope in a step like formation. These platforms are separated at regular intervals by vertical drop or by steep sided and protected by vegetation and sometimes packed by stone retaining walls.
1. Contour
2. Bunding
3. Bench Terracing
4. Zing Terracing
5. Khadins
Answer : Bench Terracing
The original bench terrace system consists of a series of flat shelf-like areas that convert a steep slope of 20 to 30 percent to a series of level, or nearly level benches. In other words, bench terracing consists of construction of series of platforms along contours cut into hill slope in a step like formation. These platforms are separated at regular intervals by vertical drop or by steep sided and protected by vegetation and sometimes packed by stone retaining walls.

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Question No. 41. Which of the following is/are the components of PM Krishi Sinchayi Yojana?
I. Accelerated Irrigation Benefits Programme (AIBP)
II. Har Khet Ko Pani (HKKP)
III. Command Area Development & Water Management (CAD&WM)IV. Surface Minor Irrigation (SMI)
1. I and II only
2. I, II and IV only
3. I, II, III only
4. II and IV only
5. all of the above
Answer : all of the above
PMKSY is an umbrella scheme, consisting of two major components being implemented by this Ministry, namely, Accelerated Irrigation Benefits Programme (AIBP), and Har Khet Ko Pani (HKKP). HKKP, in turn, consists of four sub-components, being Command Area Development & Water Management (CAD&WM), Surface Minor Irrigation (SMI), Repair, Renovation and Restoration (RRR) of Water Bodies, and Ground Water (GW) Development component.

Question No. 42. Which of the following is/are the Objective of Vibrant village program —
I. providing road connectivity to unconnected villages
II. housing & village infrastructure
III. energy including renewable energy
IV. television & telecom connectivity

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

Answer : all of the above

The programme includes both components of Central Sector Schemes (CS) as well as Centrally Sponsored Schemes (CSSs) in the identified focused areas of intervention for creation of opportunities for livelihood generation through promotion of tourism & cultural heritage, skill development & entrepreneurship and development of cooperative societies including agriculture/horticulture, cultivation of medicinal plants/herbs etc. The interventions also include providing road connectivity to unconnected villages, housing & village infrastructure, energy including renewable energy, television & telecom connectivity.

Question No. 43. Which of the following risks are covered under PMFBY?

I. Hailstorm

II. Cyclonic rains and seasonal rains

III. Inundation

IV. landslide

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

Answer : all of the above

Inundation has been incorporated as a localized calamity in addition to hailstorm and landslide for individual farm level assessment.

Question No. 44. Which of the following statement is/are correct with respect to the National Mission on natural farming?

I. the Government has formulated National Mission on Natural Farming(NMNF) by up scaling the Bhartiya Prakritik Krishi Paddati (BPKP).

II. The provision of Rs 600.00 crores for 2023-24 has been proposed.

III. In this, the major stress on biomass mulching, the use of on-farm desi cow dung-urine formulation etc.

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

Answer : I and III only

To motivate farmers to adopt chemical free farming and enhance the reach of natural farming, the Government has formulated National Mission on Natural Farming (NMNF) as a separate and independent scheme from 2023-24 by up scaling the Bhartiya Prakritik Krishi Paddati (BPKP).

Natural Farming is a way of chemical free farming based on desi cow and locally available resources, with no chemical fertilizers and pesticides and promotes traditional indigenous practices which give freedom to farmers from externally purchased inputs and is largely based on on-farm biomass recycling with major stress on biomass mulching, use of onfarm desi cow dung-urine formulation; managing pests through diversity, on-farm botanical concoctions and exclusion of all synthetic chemical inputs directly or indirectly and emphasis is given on improving natural nutrient cycling and increase in organic matter in the soil, which can help with climate change resilience and carbon sequestration in soils.

Question No. 45. As per the union budget 2023-24, there are 7 priorities. Which of the following is not one of the 7 priorities?

1. inclusive development
2. reaching the last mile
3. infrastructure and investment
4. infrastructure and investment
5. Forestry and development

Answer : Forestry and development

Seven priorities of the budget 'Saptarishi' are inclusive development, reaching the last mile, infrastructure and investment, unleashing the potential, green growth, youth power and financial sector.

Question No. 46. Which sector is eligible for classification under the sub-target of 7.5% prescribed for Micro enterprise under the priority sector?

1. Social infrastructure
2. Renewable Energy
3. Housing
4. Khadi and Village Industries Sector
5. Education

Answer : Khadi and Village Industries Sector

Khadi and Village Industries Sector All loans to units in this sector are eligible for classification under the sub-target of 7.5 percent prescribed for Micro Enterprises under the priority sector.

Question No. 47. The SHG-Bank linkage programme pioneered by _____has made access to credit easier and reduced the dependence on traditional money lenders and other noninstitutional sources.

1. RBI
2. NABARD
3. KVIC
4. SBI
5. None of the above

Answer : RBI

The SHG-Bank linkage programme pioneered by NABARD has made access to credit easier and reduced the dependence on traditional money lenders and other noninstitutional sources. Improving efficiency of government schemes and reducing corruption through social audits.

Question No. 48. Which of the following Statements about the Forest (Conservation) Amendment Bill 2023 is/are True?

1. The Bill broadens the scope of the Act by inserting a Preamble.
2. The Act's name was changed to Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 to reflect the potential of its provisions.
3. The Act, which was initially applied to notified forest land, was later extended to revenue forest land and lands recorded as forest in government records.
4. The Bill proposes certain exemptions to encourage afforestation and plantation outside forests.
5. All of the above

Answer : All of the above

The Bill broadens the scope of the Act by inserting a Preamble.

The Act's name was changed to Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 to reflect the potential of its provisions.

The Act, which was initially applied to notified forest land, was later extended to revenue forest land and lands recorded as forest in government records.

The amendments seek to streamline the application of the Act to recorded forest lands, private forest lands, plantations, etc.

The Bill proposes certain exemptions to encourage afforestation and plantation outside forests.

0.10 ha of forest land has been proposed to provide connectivity for habitation and establishments located on the side of roads and railways, up to 10 ha of land proposed for security related infrastructure and up to 5 ha of forest land in Left Wing Extremism Affected Districts for public utility projects.

These exemptions include strategic projects related to national security within 100 km of the International Borders, Line of Actual Control (LAC), Line of Control (LoC) etc.

Question No. 49. Which of the following target group is correctly matched with income criteria under PM Daksh scheme?

1. Persons belonging to the Scheduled Castes having Annual Family Income below Rs. 5.00Lakh

2. Other Backward Classes (OBCs) having Annual Family Income below Rs.3.00Lakh

3. Economically Backward Classes (EBCs) having AFI below Rs. 1.00 Lakh

Which of the statements given above is/are correct?

1. 1 only
2. 1 and 2
3. 2 and 3
4. 1 and 3
5. All of the above

Answer : 2 and 3

1. Persons belonging to the Scheduled Castes
2. Other Backward Classes (OBCs) having Annual Family Income below Rs. 3.00Lakh
3. Economically Backward Classes (EBCs) having AFI below Rs. 1.00 Lakh
4. De-Notified, Nomadic, and Semi-Nomadic Tribe (DNT)
5. Transgender (TG) community
6. Safai Karamcharis (including waste pickers) and their dependents

Question No. 50.Which of the following is the objectives of PM PRANAM scheme?

1. The main objective of the scheme is to increase the skill levels of the target youth by providing for long-term and short-term skills, followed by settlement in employment/self-employment.

2. The scheme aims to reduce use of chemical fertilizers by incentivizing states to adopt alternative fertilizers.

3. The is to improve the nutritional status of children studying in elementary classes

4. the aim is to fund the state government universities and colleges to achieve the aims of equity, access and excellence.

5. None of the above

Answer : The scheme aims to reduce use of chemical fertilizers by incentivizing states to adopt alternative fertilizers.

In this context, Dr Mandaviya again highlighted PM-PRANAM (PM Programme for Restoration, Awareness, Nourishment and Amelioration of Mother Earth) scheme launched recently. The scheme aims to reduce use of chemical fertilizers by incentivizing states to adopt alternative fertilizers.

Question No. 51. Which of the following are the components of AASHA?

1. Price Support Scheme (PSS),

2. Price Deficiency Payment Scheme (PDPS)

3. Pilot of Private Procurement & Stockist Scheme (PPPS).

1. 1 only
2. 1 and 2
3. 2 and 3
4. 1 and 3
5. All of the above

Answer : All of the above
Components of PM-AASHA: The new Umbrella Scheme includes the mechanism of ensuring remunerative prices to the farmers and is comprised of
Price Support Scheme (PSS),
Price Deficiency Payment Scheme (PDPS)
Pilot of Private Procurement & Stockist Scheme (PPPS).

Question No. 52. Financial assistance in plain areas under PMAY — Rural?
1. 1.20 Lakhs
2. 1.35 lakh
3. 1.5 Lakh
4. 2.67 Lakh
5. 2.5 Lakh
Answer : 1.20 Lakhs
Under PMAY-G, beneficiaries are provided financial Assistance of Rs.1.20 lakh in plain areas and Rs.1.30 lakh in hilly States (including North Eastern States and UTs of Jammu & Kashmir and Ladakh), difficult areas and Integrated Action Plan (IAP) districts.

Question No.53. Under credit guarantee scheme for micro and small enterprises, The limit on ceiling for guarantees has been enhanced from Rs. 2 crore to —
1. 2.5 Cr
2. 5 Cr
3. 10 Cr
4. 25 Cr
5. 50 Cr
Answer : 5 Cr
This will reduce the overall cost of credit to the Micro & Small Enterprises to a great extent.
The limit on ceiling for guarantees has been enhanced from Rs. 2 crore to Rs. 5 crore.

Question No. 54. Which of the following is not one of the Sub-mission under Day-NRLM —
I.   Start-up Village Entrepreneurship Programme (SVEP)
II.   Mahila Kisan Shashaktikaran Pariyojana (MKSP)
III.   Aajeevika Grameen Express Yojana (AGEY)
IV.   Deendayal Upadhyaya Grameen Kaushalya Yojana (DDUGKY)
1. I, II and III only
2. II, III and IV only
3. I and II only
4. I and II only
5. all of the above
Answer : all of the above
Sub Programs:
Mahila Kisan Shashaktikaran Pariyojana (MKSP)
Start-Up Village Entrepreneurship Programme (SVEP)
Aajeevika Grameen Express Yojana (AGEY)
Deendayal Upadhyaya Grameen Kaushalya Yojana (DDUGKY)
Rural Self Employment Institutes (RSETIs)

Question No. 55. Which of the following is/are the Components of Gramodyog Vikas yojana?
I.   Agro-Based & Food Processing Industry (ABFPI)
II.   Mineral-Based Industry (MBI)
III.   Wellness & Cosmetics Industry (WCI)
1. I and II only
2. II only
3. I and III only
4. II and III only
5. all of the above

Answer : all of the above
Agro-Based & Food Processing Industry (ABFPI)
Mineral-Based Industry (MBI)
Wellness & Cosmetics Industry (WCI)
Handmade Paper, Leather & Plastic Industry (HPLPI)
Rural Engineering & New Technology Industry (RENTI)
Service Industry

Question No. 56. Which of the following Scheme is related to ensure open defecation free India -
1. Gramodyog Vikas Yojna
2. National Rural employment generation programme
3. DAY- NRLM
4. MGNREGA
5. SBM
Answer : SBM
Swachh Bharat Mission - Gramin, Department of Drinking Water and Sanitation.

Question No. 57. Which state is not amongst the 31 states where Aspirational block program is being implemented?
1. Uttar Pradesh
2. Bihar
3. Madhya Pradesh
4. Jharkhand
5. Rajasthan
Answer : Rajasthan
It will initially cover 500 districts across 31 states and Union Territories, with over half of
these blocks located in six states – Uttar Pradesh, Bihar, Madhya Pradesh, Jharkhand,
Odisha and West Bengal.

Question No. 58. India's per capita net national income (at current prices) for 2022-23 stands at_____ ,according to estimates from the National Statistical Office (NSO).
1. 1,72,000 Rs
2. 1,50,000 Rs
3. 1,65,000 Rs
4. 2,00,000 Rs
5. 2,50,000 Rs
Answer : 1,72,000 Rs
Explanation: India's per capita net national income (at current prices) for 2022-23 stands at INR 1,72,000,
according to estimates from the National Statistical Office (NSO).

Question No. 59. Which of the following statement is/are correct with respect to PM Mudra Yojana?
I. The Pradhan Mantri MUDRA Yojana (PMMY) was launched on 8th April 2015.
II. The aim to facilitate easy collateral-free micro credit of up to ?10 lakh to noncorporate, non-farm small and micro entrepreneurs for income generating activities.
III. The loans under PMMY are provided by Member Lending Institutions (MLIs), i.e., Banks, Non-Banking Financial Companies (NBFCs), Micro Finance Institutions (MFIs) and other financial intermediaries.
1. I and II only
2. II only
3. II and III only
4. I and III only
5. all of the above
Answer : all of the above

The Pradhan Mantri MUDRA Yojana (PMMY) was launched on 8th April 2015 by Prime Minister Shri Narendra Modi with the aim to facilitate easy collateral-free micro credit of up to Rs10 lakh to non-corporate, non-farm small and micro entrepreneurs for income generating activities. The loans under PMMY are provided by Member Lending Institutions (MLIs), i.e., Banks, Non-Banking Financial Companies (NBFCs), Micro Finance Institutions (MFIs) and other financial intermediaries.

Question No. 60. Which of the following is/are covered under PMMSY?
I. Enhancement of Production and Productivity
II. Infrastructure and Post-harvest Management
III. Fisheries Management and Regulatory Framework
1. I and II only
2. II only
3. II and III only
4. I and III only
5. all of the above
Answer : all of the above
Under the Central Sector Scheme Component an amount of Rs. 1720 crores has been earmarked. Under the Centrally Sponsored Scheme (CSS) Component, an investment of Rs. 18330 crores has been envisaged, which in turn is segregated into Non-beneficiary oriented and Beneficiary orientated sub-components/activities under the following three broad heads:
Enhancement of Production and Productivity

Infrastructure and Post-harvest Management

Fisheries Management and Regulatory Framework

Question No. 61. What is the Objective of Swacchta Udyami Yojana
1. To provide concessional loan for viable community toilet projects and sanitation related vehicles to collect the garbage, to consolidate the ongoing efforts for realizing the objectives of the 'Swachh Bharat Abhiyan'.
2. To give award to the safai Karmachari
3. To audit the swachhta in rural areas
4. To provide grants for viable community toilet projects and sanitation related vehicles to collect the garbage, to consolidate the ongoing efforts for realising the objectives of the 'Swachh Bharat Abhiyan'.
5. None of the above
Answer : To provide grants for viable community toilet projects and sanitation related vehicles to collect the garbage, to consolidate the ongoing efforts for realising the objectives of the 'Swachh Bharat Abhiyan'.
National Safai Karamcharis Finance and Development Corporation (NSKFDC), an Apex Corporation of the Ministry of Social Justice and Empowerment, has launched "Swachhta Udyami Yojana" on 2.10.2014. The objective of the Scheme is to provide concessional loan for viable community toilet projects and sanitation related vehicles to collect the garbage, to consolidate the ongoing efforts for realising the objectives of the 'Swachh Bharat Abhiyan' launched by Prime Minister on 2nd October, 2014.

Question No. 62. Scheme of Fund for Regeneration of Traditional (SFURTI) comes under the administrtative control of _____.
1. Ministry of Micro, Small & Medium Enterprises
2. Ministry of Consumer Affairs
3. Ministry of Agriculture & Farmers Welfare
4. Ministry of Food Processing Industries
5. None of the above
Answer : Ministry of Micro, Small & Medium Enterprises
The SFURTI Scheme was launched by the Ministry of MSME to focus more on the development of clusters of Traditional Industries across the country. It aims to create a market-driven, more competitive traditional industry.
It is implemented by Khadi and Village Industries Commission (KVIC) at the National Level.

Question No. 63. PM- Ucchatar shiksha Abhiyan focuses on which of the following points?

1. Equity Access and inclusion in higher education
2. Developing Quality Teaching & Learning processes,
3. Accreditation of Non Accredited Institutions and improving accreditation.
4. ICT – based Digital Infrastructure.
5. All of the above

Answer : All of the above

Rashtriya Uchchatar Shiksha Abhiyan (RUSA) was a Centrally Sponsored Scheme to fund States/UTs institutions, with the vision to attain higher levels of access, equity, and excellence in the State higher education system with greater efficiency, transparency, accountability, and responsiveness. The first phase of the scheme was launched in 2013 and the second phase was launched in 2018. Now, in the light of the National Education Policy, RUSA scheme has been launched as Pradhan Mantri Uchchatar Shiksha Abhiyan (PM-USHA).

Question No. 64. Student_enrolment in higher education has increased to nearly ____in 2020-21 from 3.85 Crores in 2019-20, according to AISHE 2020-21.

1. 4.14 Crore
2. 4.00 Crore
3. 4.5 Crore
4. 5.00 Crore
5. None of the above

Answer : 4.14 Crore

Enrollment in higher education increases to 4.14 crore, crossing the 4 crore mark for first time; increase of 7.5% from 2019-20 and 21% from 2014-15.

Question No. 65. India's sex ratio is expected to improve to 952 by ____?

1. 2036
2. 2027
3. 2030
4. 2047
5. 2050

Answer : 2036

The sex ratio at birth went up by three points to 907 in 2018-20 from 904 in 2017-19. India's sex ratio (females per 1,000 males) is expected to improve to 952 by 2036, up significantly from 943 in 2011.

Question No. 66. Which Mobile app has been launched by DAY-NRLM for use as an effective platform for marketing of the products made by women cf self-help groups.

1. eSARAS
2. "Amar Sarkar" Portal
3. e-KUMBH Portal
4. e-auction Portal
5. EV Jagruthi Portal

Answer : eSARAS

Deendayal Antyodaya Yojna-National Rural Livelihood Mission (DAY-NRLM) launched the eSARAS mobile application to support women of Self-Help Groups (SHGs) by marketing products made by them.

Question No. 67. Which of the following statements is/are true with respect to the objectives of Amrit Dharohar Scheme?
I. Implement integrated management approaches for wetlands to support green growth and sustainable development.
II. Promote the conservation and enhancement of biodiversity in wetland ecosystems, safeguarding their unique ecological values.
III. Contribute to the sequestration and storage of carbon in wetland ecosystems, thus helping mitigate climate change.

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

Answer : all of the above

The features of Amrit Dharohar scheme encompass promoting the unique conservation values of wetlands including their optimal use for enhancing biodiversity, carbon stock, ecotourism opportunities and income generation for local communities. The objectives inter-alia are integrated management of such wetlands for green growth, developing nature and culture-based tourism at the sites, community stewardship for wetland based livelihood, heritage, and culture, building convergence with different Ministries and departments, State Governments, Research and academic institutions and Industrial
Sector, over the next three years across the country.

Question No. 68. As per AISHE, Student enrolment increased in Higher Education to _____ in 2020-21from 3.85 crore in 2019-20.

1. 4.14 crore
2. 4.20 crore
3. 3.95 crore
4. 5.6 crore
5. 6.2 crore

Answer : 4.14 crore

The Ministry of Education, Government of India has released All India Survey on Higher Education (AISHE) 2020-2021. The Ministry has been conducting All India Survey on Higher Education (AISHE) since 2011, covering all higher educational institutions lo The total enrollment in higher education has increased to nearly 4.14 crore in 2020-21 from 3.85 crore in 2019-20. Since 2014-15, there has been an increase of around 72 Lakh in the enrolment (21%).cated in Indian Territory and imparting higher education in the country.

Question No. 69. As per MOSPI, India's Sex Ratio (females per 1,000 males) will improve to 952 by_____.

1. 2025
2. 2028
3. 2030
4. 2032
5. 2036

Answer : 2036

India's sex ratio (females per 1,000 males) will improve to 952 by 2036.
This is rise from sex ratio of 943 in 2011.
The sex ratio at birth rose by 3 points to 907 in 2018-20 from 904 in 2017-19.

Question No. 70. What is the name of the NRLM Mobile App to give facilities of e-Commerce?

1. eMarket
2. eSaras
3. eNam
4. Tech Market
5. None of the above

Answer : eSaras

Deendayal Antyodaya Yojna-National Rural Livelihood Mission (DAY-NRLM) launched the eSARAS mobile application to support women of Self-Help Groups (SHGs) by marketing products made by them. Shri Shailesh Kumar Singh, Secretary, Ministry of Rural Department, Government of India launched the mobile app at New Delhi. He also inaugurated the eSARAS fulfillment center at Janakpuri, New Delhi.

Question No. 71. Which of the following is/are the objectives of Amrit Dharohar Scheme?
1. The scheme will aim to conserver wetlands by promoting their optimal use
2. The scheme is to be implemented in the next three years
3. The scheme will increase eco-tourism
4. will help the local communities in their income generations
5. All of the above
Answer : All of the above
What is Amrit Dharohar Scheme?
The scheme will aim to conserver wetlands by promoting their optimal use
The scheme is to be implemented in the next three years
The scheme will increase eco-tourism, and carbon stock, and also will help the local communities in their income generations Need for the Scheme
To achieve 2030 sustainable development goals. These goals were adopted by India along with other UN Members in 2015. The SDG aims to provide peace and prosperity.
The Amrit Dharohar scheme will help India achieve the SDG goals.

Question No. 72. In the Credit Guarantee Scheme for Micro & Small Enterprises the limit on ceiling has been increased from _____ to _____.
1. 1 to 2 crore
2. 2 to 3 crore
3. 2 to 4 crore
4. 2 to 5 crore
5. 3 to 6 crore
Answer : 2 to 5 crore
The corpus of Credit Guarantee Fund Trust for Micro & Small Enterprises (CGTMSE) has been infused with a sum of Rs. 8,000 crore on 30.03.2023. CGTMSE has issued guidelines regarding reduction of annual guarantee fee for loans upto Rs. 1 crore from a peak rate of 2% per annum to as low as 0.37% per annum. This will reduce the overall cost of credit to the Micro & Small Enterprises to a great extent. The limit on ceiling for guarantees has been enhanced from Rs. 2 crore to Rs. 5 crore.
For settlement of claims in respect of guarantees for loan outstanding upto Rs. 10 lakh,
initiation of legal proceedings will no longer be required.

Question No. 73.A unique highlight of the Union Budget 2023-24 is that the Finance Minister, Nirmala Sitharaman began her speech by stating that this was "the first budget of Amrit Kaal" and it contains Saptarishi or seven priorities that will guide the nation through this period. Which of the following is not one of these priorities?
1. Inclusive Development
2. Reaching the Last Mile
3. Infrastructure and Investment
4. Unleashing the Potential
5. Foresty
Answer : Foresty

Union Finance Minister announced the first budget in Amrit Kaal will be guided by seven priorities that complement each other and act as the 'Saptarishi'.
1) Inclusive Development
2) Reaching the Last Mile
3) Infrastructure and Investment
4) Unleashing the Potential
5) Green Growth
6) Youth Power
7) Financial Sector

Question No. 74. Which of the following Statements is/are about PM Sampada Yojana True?
I- It is a Central Sector Scheme.
II- Under PMKSY, capital subsidy in the form of grants-in-aid ranging from 35% to 75% of the eligible project cost subject to a maximum specified limit is provided to investors under the various schemes for undertaking infrastructure, logistic projects and setting up of food processing units in the country.
III- Creation of Integrated Cold Chain and Value Addition Infrastructure is one of the objectives of the scheme.
1. Only I
2. I & II
3. II & III
4. Only III
5. I, II, & III
Answer : I, II, & III
In 2016, MoFPI introduced an umbrella Scheme for Agro-Marine Processing and Development of Agro-Processing Clusters or SAMPADA, which was proposed to be implemented with an allocation of Rs6,000 crores for the period of 2016-20.
In 2017, SAMPADA was renamed as the Pradhan Mantri Kisan Sampada Yojana
(PMKSY).
It is a Central Sector Scheme.
Objectives:
To supplement agriculture.
To create processing and preservation capacities.
To modernise and expand existing food processing units with a view to increasing the level of processing.
To add value leading to the reduction of wastage.

Question No. 75. What is the primary objective of the National Sickle Cell Anaemia Elimination Program introduced in the Union Budget 2023?
1. To provide financial assistance to sickle cell disease patients.
2. To improve healthcare infrastructure in tribal areas.
3. To reduce the prevalence of sickle cell disease among tribal populations.
4. To promote research on chronic single gene disorders.
5. To establish a new healthcare mission for genetic disorders.
Answer : The primary objective of the National Sickle Cell Anaemia Elimination Program is to address the significant health challenges posed by sickle cell disease, particularly among tribal populations, and reduce the prevalence of the disease.

Question No. 76. What is the primary purpose of the Performance Grading Index for Districts (PGI-D) report?
1. To evaluate the performance of individual schools.
2. To provide financial incentives to high-performing districts.
3. To help districts identify areas for improvement in school education.
4. To assess the quality of textbooks used in schools.
5. To rank districts based on their population size.
Answer : To help districts identify areas for improvement in school education.

The primary purpose of PGI-D is to assist districts in identifying priority areas for intervention and improvement in school education, as stated in the report.

Question No. 77. When does the coverage period for Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) start and end?

1. From January 1st to December 31st
2. From April 1st to March 31st
3. From June 1st to May 31st
4. From July 1st to June 30th
5. From September 1st to August 31st

Answer : From June 1st to May 31st

PMJJBY offers coverage for a one-year period, which stretches from June 1st to May 31st of the following year.

Question No. 78. What was the original name of the Deendayal Antyodaya Yojana - National Rural Livelihood Mission (DAY-NRLM) scheme before its renaming?

1. National Rural Employment Guarantee Act (NREGA)
2. Swarn Jayanti Gram Swarozgar Yojana (SGSY)
3. Pradhan Mantri Awas Yojana (PMAY)
4. National Food Security Act (NFSA)
5. Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)

The Deendayal Antyodaya Yojana - National Rural Livelihood Mission (DAYNRLM)
was initially known as the Swarn Jayanti Gram Swarozgar Yojana (SGSY) before its renaming.

Question No. 79. What is the goal of the "Sangathan se Samriddhi" national campaign recently launched under the DAY-NRLM scheme?

1. To promote digital literacy in rural areas
2. To provide free healthcare services to rural women
3. To mobilize 10 Crore rural women into Self-Help Groups (SHGs)
4. To improve sanitation facilities in rural households
5. To promote sustainable agriculture practices

Answer : To mobilize 10 Crore rural women into Self-Help Groups (SHGs)

The "Sangathan se Samriddhi" national campaign under the DAY-NRLM scheme aims to mobilize 10 Crore rural women into Self-Help Groups (SHGs), as mentioned in the provided information.

Question No. 80. What does SLWM stand for in the context of the Swachh Bharat Mission (Gramin)?

1. Sustainable Land and Water Management
2. Solid and Liquid Waste Management
3. Sanitation and Livelihood Welfare Mechanism
4. Swachh Life and Well-being Measure
5. State-Level Waste Management

Answer : Solid and Liquid Waste Management

Explanation: SLWM stands for Solid and Liquid Waste Management, which is one of the key components monitored in the "ODF Plus" phase of the Swachh Bharat Mission (Gramin).

General Awareness

Question No. 81. Which of the following country is the new member in the BRICS group of nations?

1. Argentina
2. Nepal
3. Bangladesh
4. African Union
5. None of the above

Answer : Argentina

In August 2023, at the 15th BRICS Summit, South African President Cyril Ramaphosa announced that Argentina, Egypt, Ethiopia, Iran, Saudi Arabia and the United Arab Emirates had been invited to join the bloc. Full membership is scheduled to take effect on 1 January 2024.

Question No. 82.How many matches will be played in total by all the team in World Cup 2023?

1. 48
2. 45
3. 46
4. 47
5. 51

Answer : 48

The 2023 ICC Men's Cricket World Cup, in its 13th edition, has witnessed thrilling matches and fierce competition among the ten participating teams, during the world cup a total of 48 matches are going to be played, each team is going to play one match against 9 other teams.

Question No. 83. Which of the following company recently launched Vikram-1 satellite?

1. Skyroot
2. InSpace
3. ISRO
4. Vikram Technologies
5. None of the above

Answer : Skyroot

Hyderabad-based Skyroot to launch Vikram-1, India's private orbital rocket.

Question No. 84. Which is shortest river of the following?

1. Kaveri
2. Ganga
3. Narmada
4. Krishna
5. Godavari

Answer : Kaveri

Kaveri - 800 Km
Ganga - 2525 Km
Narmada - 1312 Km
Krishna - 1400 Km
Godavari - 1464 Km

Question No. 85.Bright Star-23 is a military exercise is which took place in which of the following country?

1. Egypt
2. Israel
3. UK
4. France
5. Japan

Answer : Egypt

Indian Army contingent comprising of 137 personnel departed for "Exercise BRIGHT STAR- 23" scheduled to be conducted from 31 August to 14 September 2023 at Mohammed Naguib Military Base in Egypt. It is a multinational tri-services joint military exercise that will be led by US CENTCOM and Egyptian Army. It was initially conceptualized as a bilateral biennial training exercise between the US and Egypt during the Camp David Accord of 1977. The first edition of the Exercise was conducted in the year 1980 in Egypt. From 1995 onwards the Exercise was expanded for participation by other nations. The previous Exercise BRIGHT STAR was conducted in the year 2021 wherein forces of 21 countries had participated.

Question No. 86. Identify the app launched by Ministry of Coal, to stop illegal coal minings?

1. Khanan Prahari
2. Khanan Prahar
3. Khanan Pravesh
4. Khanan
5. None of the above

Answer : Khanan Prahari

The mobile app Khanan Prahari, which allows citizens to report incidents of illegal coal mining through geo-tagged photographs and textual information, is a significant step taken by the Ministry of Coal towards curbing illegal coal mining activities.

Question No. 87. Which of the following is related to Southern Hemisphere of the Earth?

1. Aurora Australis
2. Aurora Borealis
3. Aurora Syendes
4. Aurora Lights
5. None of the above

Answer : Aurora Australis

In the north, the phenomenon is called the aurora borealis or the northern lights. In the Southern Hemisphere, it's the aurora australis, or southern lights.

Question No. 88.Which of the following is related to SDG Goal No 5?

1. Gender Equality
2. Poverty
3. Women Empowerment
4. Life under Sea
5. None of the above

Answer : Gender Equality

SDG Goal 5: Gender Equality - UNICEF DATA Goal 5 aims to achieve gender equality and empower all women and girls. Gender equality is a human right. It is also a precondition for realizing all goals in the 2030 Sustainable Development Agenda.

Question No. 89. Brand ambassador of Infosys has won _____ Grand Slam in men's single title.

1. 22
2. 25
3. 23
4. 27
5. 29

Answer : 22

Nadal has won 22 Grand Slams, including a record 14 French Open titles.
The Bengaluru-based firm has been the digital innovation partner for the ATP Tour, Roland-Garros, Australian Open, and International Tennis Hall of Fame.

Question No. 90. Infosys, Indian IT services company, announced a multi-year partnership with which women's tennis player?
1. Iga Świątek
2. L. Samsonova
3. V. Gracheva
4. S. Sorribes Tormo
5. M. Linette
Answer : Iga Świątek

Infosys, Indian IT services company, announced a multi-year partnership with women's tennis player Iga ?wi?tek. She is a four-time Grand Slam Champion and has been ranked World No. 1 since April 22, for a record 70 consecutive weeks.

Question No. 91. Which of the following position is not part of Delimitation commission in India?
1. Solicitor General of India
2. Chief Economic Advisor
3. State Election Commissioner
4. Any person nominated by CEA
5. None of the above
Answer : Solicitor General of India

Except Solicitor general of India all other are part of Delimitation commission.

Question No. 92. The Nagorno-Karabakh conflict is an ethnic and territorial conflict between _____.
1. Austria & Zambia
2. Turkey & Russia
3. Armenia & Azerbaijan
4. Slovakia & Oman
5. None of these
Answer : Armenia & Azerbaijan

Nagorno-Karabakh is a disputed territory, internationally recognized as part of Azerbaijan, although most of its territory was governed by ethnic Armenians under the breakaway Republic of Artsakh—also known as the Nagorno-Karabakh Republic (NKR).

Question No. 93. What is the full form of C-PACE?
1. Centre for Processing Accelerated Corporate Exit
2. Centralised Process for Accelerated Corporate Entry
3. Chief Processing for Advanced Corporate Exit
4. Central Processing for Accelerated Companies Entry
5. None of these
Answer : Centre for Processing Accelerated Corporate Exit

The Ministry of Corporate Affairs (MCA) has established the Centre for Processing Accelerated Corporate Exit (C-PACE) to streamline the process of removing companies from the MCA Register.

Question No. 94. Public Sector Insurance Companies are those companies in which the direct holding of the Central/Sate Government is 51 % or more. Which of the following is a public sector Insurance Company ?
1. HDFC Standard Life Insurance Co. Ltd.
2. ICICI-Prudential Life Insurance Co. Ltd.
3. Tata-AIG Life Insurance Co. Ltd.
4. Future Generali India Insurance Co. Lyd.
5. None of these
Answer : None of these
None of the above is a Public Sector Insurance Company.

Question No. 95. Recently, the Ministry of Statistics and Programme Implementation has released Women and Men in India 2022 report.According to the report India's sex ratio (females per 1,000 males) is expected to improve to 952 by which year?
1. 2028
2. 2032
3. 2036
4. 2040
5. None of these
Answer : 2036
According to a report by Women and Men in India 2022 released on March 2023, India's sex ratio (females per 1,000 males) is expected to improve to 952 by 2036, up significantly from 943 in 2011.

Question No. 96. The eSARAS mobile application to support women of Self-Help Groups (SHGs) by marketing products made by them.It is related to which of the following schemes ?
1. DAY-NRLM
2. PMMY
3. PMGSY
4. MKSP
5. None of these
Answer : DAY-NRLM
Deendayal Antyodaya Yojna-National Rural Livelihood Mission (DAY-NRLM) launched the eSARAS mobile application to support women of Self-Help Groups (SHGs) by marketing products made by them. Shri Shailesh Kumar Singh, Secretary, Ministry of Rural Department, Government of India launched the mobile app at New Delhi.

Question No. 97. Consider the following statements for Amrit Dharohar Scheme?
I. Amrit Dharohar will be implemented in convergence with various Central Government ministries and agencies, State Wetland Authorities, and a network of formal and informal institutions and individuals.
II. The implementation of Amrit Dharohar will commence on June 5, 2023 on the occasion of World Environment Day and will be continued till June 5, 2028.
III. It aims to encourage optimal use of wetlands, and enhance bio-diversity, carbon stock, eco-tourism opportunities and income generation for local communities
Which of the following statements is/are not true?
1. Only I
2. Only II
3. Only I & II
4. Only II & III
5. None of these
Answer : Only II

The Amrit Dharohar Scheme is a government initiative to protect and wisely use wetlands in India. It was launched to combat threats to wetlands from human activities and illegal constructions and to promote biodiversity and eco-tourism.

Question No. 98. Which of the following is not one of the priority highlighted by the Union minister Smt. Nirmala Sitharaman in Union Budget 2023-24?
1. Inclusive development
2. Forestry & Development
3. Green Growth
4. Youth Power
5. None of these
Answer : Forestry & Development
Seven priorities of the budget 'Saptarishi' are inclusive development, reaching the last mile, infrastructure and investment, unleashing the potential, green growth, youth power and financial sector.

Question No. 99. Criminal Procedure Code (CrPC), it is the primary legislation regarding the procedural aspects of criminal law.When did the CrPC Act came into force ?
1. 1974
2. 1981
3. 1990
4. 1995
5. None of these
Answer : 1974
It was enacted in 1973 and came into force on 1 April 1974. It provides the machinery for the investigation of crime, apprehension of suspected criminals, collection of evidence, determination of guilt or innocence of the accused person and the determination of punishment of the guilty.

Question No. 100. United Nations Population Fund's (UNFPA) "India Ageing Report 2023" has said that India's elderly population is increasing fast and may surpass the number of children (aged 0-14 years) in the country by 2050.It said that the number of older persons in the world is likely to double to_____ by 2050, taking the elderly population to 22 per cent of the total population.
1. 2.1 billion
2. 1.9 billion
3. 1.7 billion
4. 1.5 billion
5. None of these
Answer : 2.1 billion
India's elderly population is predicted to double to 20.8% by 2050, with the number reaching 36% by the end of the century, according to a report by the United Nations Population Fund and the International Institute for Population Sciences. A report has warned about the rising population of senior citizens in India.

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 : Option c

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 : Option A
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 criticism-free 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 : Option c
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 : Option B
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.

Intelligence	Collect information about issue from the environment
Design	Decide on the criteria by which to make the decision
Choice	Apply the criteria to settle on one out of many alternative solutions
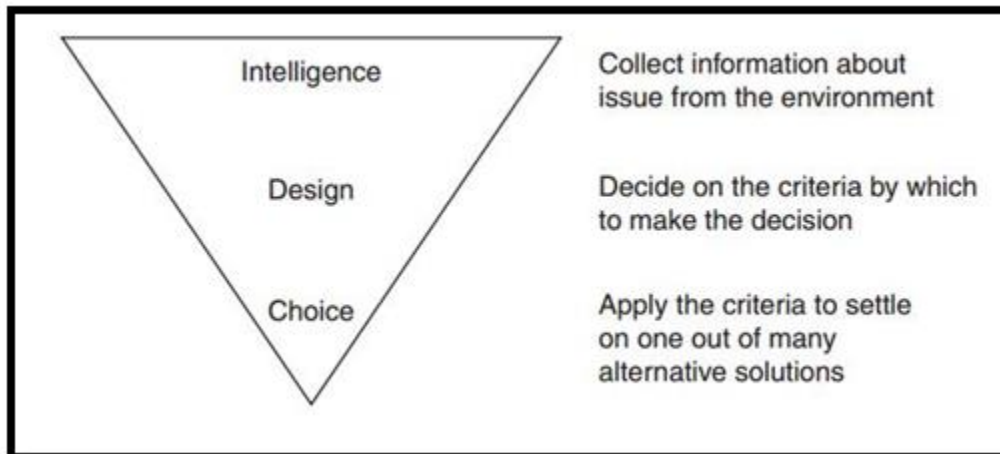
Question No. 105. An Autocratic leader is likely to use which of the following type of decision making technique?

1. Brainstorming
2. Multi-voting
3. Delphi Technique
4. None of the above
5. All of the above

Answer : Option d

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 : Option b

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 : Option d

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.
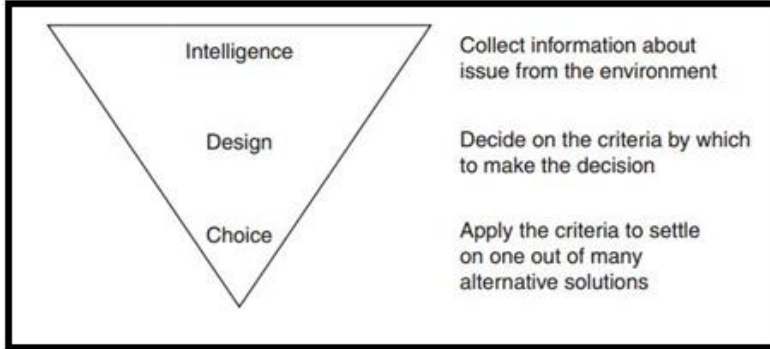
Question No. 108._____ refers to an organized technique of decision making in which team members usually note down their opinions and ideas and settle on the idea that best fits the problem.
1. Delphi technique
2. Brainstorming
3. Nominal group technique
4. Didactic technique
5. Multi-voting

Answer : Option c
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 : Option d
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 decision-making 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 : Option e

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 does the term "ASCII" stand for in the context of computer programming and character encoding?

1. American Standard Code for Information Interchange
2. All System Code for Information Integration
3. Automated Symbol Coding for Internet Interaction
4. Advanced System for Coding and Information Input

Answer : American Standard Code for Information Interchange

ASCII, or the American Standard Code for Information Interchange, is a widely used character encoding standard in computer programming. It represents text and control characters using a 7-bit binary code, allowing for the standardized representation of characters, including letters, numbers, punctuation, and control characters.

Question No. 112. Which of the following wireless communication technologies is Qualcomm known for developing and licensing?

1. Bluetooth
2. NFC (Near Field Communication)
3. Wi-Fi
4. 5G
5. GPS

Answer : 5G

Qualcomm is renowned for its contributions to the development and licensing of 5G wireless technology.

Question No. 113. What is the primary purpose of using the incognito mode in a web browser?

1. To access websites with restricted access
2. To browse the internet without leaving a trace on the local device
3. To increase browsing speed
4. To block ads and pop-ups
5. To disable JavaScript for improved security

Answer : To browse the internet without leaving a trace on the local device

Incognito mode is designed to provide private browsing by not storing browsing history, cookies, or other local data, making it useful for browsing without leaving traces on the device.

Question No. 114. What is the primary purpose of using a pie chart in a PowerPoint presentation?

1. Displaying trends over time
2. Comparing individual data points
3. Showing the relationship between parts and a whole
4. Highlighting numerical values
5. Presenting geographic data

Answer : Showing the relationship between parts and a whole

Pie charts are primarily used to represent the distribution of a whole into its constituent parts. They are ideal for showing the proportion of various components within a dataset.

Question No. 115. In the context of VFX, what is "Chroma Key" commonly used for?

1. Special effects makeup
2. Simulating explosions
3. Creating 3D characters
4. Replacing backgrounds
5. Adjusting color temperature

Answer : Replacing backgrounds

Chroma key, often referred to as green screen or blue screen, is used to replace the background of a scene with a different image or video, making it a common technique in VFX for changing locations or environments

Question No. 116. Which iconic computer introduced the first widely adopted GUI in 1984?

1. IBM PC
2. Commodore 64
3. Apple Macintosh
4. Atari 2600
5. Amiga 500

Answer : Apple Macintosh

The Apple Macintosh, released in 1984, was the first personal computer to feature a widely adopted GUI, designed around the Macintosh System Software.

Question No. 117. What does the keyboard shortcut "Ctrl + Tab" do in Google Chrome?

1. It opens a new tab.
2. It closes the current tab.
3. It switches to the next tab in the tab bar.
4. It bookmarks the current webpage.
5. It opens the browser settings.

Answer : It switches to the next tab in the tab bar.

Pressing "Ctrl + Tab" in Chrome allows you to cycle through your open tabs, moving from the current tab to the next one in line within the tab bar.

Question No.118. Which type of printer is commonly used for office work?

1. Inkjet printer
2. Laser printer
3. Dot matrix printer
4. Thermal printer
5. 3D printer

Answer : Laser printer

Laser printers are commonly used in office environments due to their high-speed printing, cost-effectiveness, and quality output. They work by using a laser to create an electrostatic image on a photosensitive drum, which then transfers toner to paper to produce highquality text and graphics.

Question No. 119. Which rendering engine is integrated into Blender for creating realistic renders?

1. Cycles
2. Eevee
3. LuxRender
4. Octane
5. Arnold

Answer : Cycles

Cycles is an advanced rendering engine integrated into Blender, known for producing realistic renders through path tracing.

Question No. 120. What is the primary function of the double finger gesture on a laptop touchpad?
1. Zoom in and out
2. Right-click
3. Scroll up and down
4. Select text
5. Adjust screen brightness

Answer : Scroll up and down

The double finger gesture on a laptop touchpad is commonly used for scrolling. By placing two fingers on the touchpad and moving them in an upward or downward motion, users can scroll through web pages, documents, and other content.

Question No. 121. What is the keyboard shortcut to lock your computer in Windows?
1. Ctrl + L
2. Alt + F4
3. Windows + L
4. Ctrl + Alt + Delete
5. Shift + Esc

Answer : Windows + L

Pressing Windows + L is the keyboard shortcut to quickly lock your computer in Windows. It's a high-level shortcut that provides a convenient way to secure your computer when you step away from it.

Question No. 122. Which type of socket is commonly used for connecting a graphics card to a motherboard?
1. USB-C
2. PCIe (Peripheral Component Interconnect Express)
3. SATA (Serial Advanced Technology Attachment)
4. HDMI (High-Definition Multimedia Interface)
5. USB-A

Answer : PCIe (Peripheral Component Interconnect Express)

PCIe is the most common type of socket used to connect a graphics card to a motherboard. It provides high-speed data transfer and is designed specifically for graphics card and other expansion card connections.

Question No. 123. Which component on a motherboard is responsible for managing the flow of data between the CPU, RAM, and other hardware components?
1. BIOS
2. Northbridge
3. Southbridge
4. CMOS battery
5. Audio codec

Answer : Northbridge

The Northbridge is a chipset on the motherboard responsible for managing the high-speed communication between the CPU, RAM, and other critical components. It plays a crucial role in ensuring data flows efficiently between these components.

Question No. 124. Which one is the odd one out in the context of network security?

1. URL
2. Firewall
3. Intrusion Detection System (IDS)
4. Virtual Private Network (VPN)
5. Router

Answer : URL

In the context of network security, a URL (Uniform Resource Locator) primarily identifies a resource's location on the web. The other options - Firewall, IDS, VPN, and Router - are all network security components or tools. A firewall, for instance, is designed to filter network traffic, while IDS, VPN, and routers play important roles in securing and managing network traffic. The URL is not a security component but rather an addressing scheme, making it the odd one out.

Question No. 125. The German "Colossus" was a pioneering computer used during World War II for what purpose?

1. Weather prediction
2. Codebreaking
3. Ballistics calculations
4. Aircraft design
5. Cryptocurrency mining

Answer : Codebreaking

The Colossus was a codebreaking machine used by the British to decrypt encrypted German messages during World War II. It played a crucial role in deciphering the Lorenz and Enigma codes.

Question No. 126. How many different ASCII characters can be represented with 4 bits?

1. 8
2. 16
3. 32
4. 64
5. 128

Answer : 16

In a 4-bit binary system, you can represent 2^4 = 16 different values. In the context of ASCII characters, this allows you to represent 16 different characters, including control characters and some basic symbols.

Question No. 127. Which component of a parent computer is responsible for storing data and programs for long-term use?

1. RAM (Random Access Memory)
2. CPU (Central Processing Unit)
3. GPU (Graphics Processing Unit)
4. Hard Drive or SSD (Solid State Drive)
5. Motherboard

Answer : Hard Drive or SSD (Solid State Drive)

Hard drives and SSDs are used for long-term storage of data and programs. They provide non-volatile storage, allowing data to be saved even when the computer is powered off.

Question No. 128. What is the purpose of the BIOS (Basic Input/Output System) in a parent computer?

1. It controls the monitor's brightness and contrast.
2. It manages the computer's power supply.
3. It executes the operating system.
4. It initializes and tests hardware components during startup.
5. It connects the computer to the internet.

Answer : It initializes and tests hardware components during startup.
The BIOS is responsible for booting the computer and initializing hardware components, including the CPU, memory, and input/output devices, during the startup process.

Question No. 129. Which software manages the user interface and allows users to interact with a parent computer?
1. Operating System
2. Antivirus Software
3. Web Browser
4. Microsoft Office
5. Graphics Driver
Answer : Operating System
The operating system serves as the interface between the user and the hardware, managing system resources and providing a platform for running applications.

Question No. 130. How is data transferred between the CPU and RAM in a parent computer?
1. Via a wireless connection
2. Through the USB ports
3. Over the internet
4. Through a data bus or memory controller
5. Via a printer cable
Answer : Through a data bus or memory controller
Data is transferred between the CPU and RAM using a dedicated data bus or memory controller, which ensures fast and efficient communication between these two critical components.

English Language

Question No. 131. Given below are sentences with an error in each. The error is in one part of the sentence. Below each sentence are given the options containing the parts of the sentences. Choose the option which contains the error.
The enigmatic phenomenon of quantum entanglement continues to confound even the most brilliant physicists, challenging our fundamental understanding for the universe.
1. The enigmatic phenomenon of quantum entanglement
2. continues to confound even the most brilliant physicists,
3. challenging our fundamental
4. understanding for the universe
5. No error
Answer : understanding for the universe
 'for' should be replaced with 'of'. 'Understanding of the universe': it shows us an association between 'understanding' and 'the universe'. We can question like: Understanding of what? To answer: Understanding of the universe.

Question No. 132. Given below are sentences with an error in each. The error is in one part of the sentence. Below each sentence are given the options containing the parts of the sentences. Choose the option which contains the error.

The labyrinthine bureaucracy of the government made it near impossible for citizens to navigate the complex web of regulations and obtain necessary permits.

1. The labyrinthine bureaucracy of the government
2. made it near impossible for citizens to navigate
3. the complex web of regulations
4. and obtain necessary permits
5. No error

Answer : made it near impossible for citizens to navigate

'Near' should be replaced with 'nearly'. We need an adverb and not a preposition. 'Nearly' means 'almost'.

Question No. 133. Given below are sentences with an error in each. The error is in one part of the sentence. Below each sentence are given the options containing the parts of the sentences. Choose the option which contains the error.

Her erudition was evident as she effortlessly expounded upon esoteric philosophical concepts, leaving her audience both awed and perplex.

1. Her erudition was evident as she effortlessly
2. expounded upon esoteric
3. philosophical concepts, leaving her audience
4. both awed and perplex.
5. No error

Answer : both awed and perplex.

'Perplex' needs to be in its third form 'perplexed'.

Question No. 134. Given below are sentences with an error in each. The error is in one part of the sentence. Below each sentence are given the options containing the parts of the sentences. Choose the option which contains the error.

The convoluted legal arguments presented in the courtroom left even the seasoned lawyers scratching their heads in bewilder.

1. The convoluted legal arguments presented
2. in the courtroom left even
3. the seasoned lawyers scratching
4. their heads in bewilder
5. No error

Answer : their heads in bewilder

We need a noun at the end of the sentence. Hence, 'bewilderment' would be correct to use.

Question No. 135. Given below are sentences with an error in each. The error is in one part of the sentence. Below each sentence are given the options containing the parts of the sentences. Choose the option which contains the error.

The Byzantine negotiations between the warring factions seemed destined to end in failure, as each side remained obstinate in its demands and distrustful of the other's intentions.

1. The Byzantine negotiations between the warring factions
2. seemed destined to end in failure,
3. as each side remained obstinate in its
4. demands and distrustful of the other's intentions
5. No error

Answer : as each side remained obstinate in its

'its' should be replaced with 'their' as the subject is 'factions'.

Question No. 136. Below is given a sentence with an emboldened part. The part may or may not be grammatically correct. The question is followed by three alternatives that might improve the sentence. Choose the correct combination of alternatives.

The chef's culinary skills were unparalleled, and his dishes were **gastronomy delightful.**

i. a gastronomy delight

ii. gastronomic delights

iii. gastronomic delightful

1. Only i

2. Only ii

3. Only ii and iii

4. Only iii

5. None of the above

Answer : Only ii

The sentence should be: "The chef's culinary skills were unparalleled, and his dishes were gastronomic delights." "Gastronomic delights" is the correct phrase, referring to delicious and enjoyable food items.

Question No. 137. Below is given a sentence with an emboldened part. The part may or may not be grammatically correct. The question is followed by three alternatives that might improve the sentence. Choose the correct combination of alternatives.

The scientist's groundbreaking research led to **revolution advanced** in the field of quantum physics.

i. a revolutionary advancements

ii. revolutionary advancements

iii. revolutionary advanced

1. Only i

2. Only ii

3. Only i and ii

4. Only iii

5. None of the above

Answer : Only ii

The sentence should be: "The scientist's groundbreaking research led to revolutionary advancements in the field of quantum physics." "Revolutionary advancements" is the correct phrase, indicating significant progress or changes in the field.

Question No. 138. **Below is given a sentence with an emboldened part. The part may or may not be grammatically correct. The question is followed by three alternatives that might improve the sentence. Choose the correct combination of alternatives.**

The author's eloquent prose captivated the audience, leaving them **hang to every word**.

i. hanging on every word

ii. to hang on every word

iii. hang on every word

1. Only i

2. Only ii

3. Only i and iii

4. Only iii

5. None of the above

Answer : Only i

The sentence should be: "The author's eloquent prose captivated the audience, leaving them hanging on every word." "Hanging on every word" is the correct idiomatic expression, meaning that the audience was captivated by the author's writing and paying close attention to every word.

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Direction :- Read the following passage carefully and answer the questions given below it. Certain words/ Phrases have been printed in bold to help you locate them while answering some of the questions.

The Himalayan walls surrounding Kathmandu have formed a barrier to the outside world; in turn, Nepal, where the Indian subcontinent and greater Asia collide, has traditionally played the role of buffer state in South Asia. Nepal has aspiration beyond being a client state or brick in a great power's **cordon sanitaire**. Kathmandu's role as a founding member and seat of the South Asian Association for Regional Cooperation (SAARC), South Asia's sole regional organization, demonstrates as much. However, the realities of geography, demographics, and power dictate terms prior to aspirations. This landlocked country of 29 million is largely dependent on India's infrastructure, economy and market for its prosperity and access to the world.

India's **patronage**, however, has recently come into question. In 2015, Delhi initiated an informal blockade of Nepal following the adoption of a new constitution. India interpreted the effort as a form of political "gerrymandering" designed to isolate ethnic minorities living on the open Nepali-Indian borderland, particularly the Madeshis and the Tharu communities, thus threatening stability within India. Beijing responded to Kathmandu's plea for help by expediting fuel supplies and opening trade routes closed after the devastating earthquake in April 2015. Nepal soon entered into a permanent arrangement for petroleum supplies from China, a transit treaty allowing Nepal access to Chinese ports, and a visa-free travel regime for Chinese tourists. Last year, when India offered to jointly measure Mount Everest, to determine whether the great mountain moved during the 2015 tremors, Nepal **demurred**.

The breakdown in Indo-Nepali ties may be a temporary family feud, to borrow from the Indian Prime Minister, but Chinese President Xi Jinping's courtship is seeking to prove that honey is as thick as blood.

Nepal may take as a cautionary note the predicament of its SAARC neighbour Sri Lanka, which reportedly ceded control to China of a strategically placed maritime port, Hambantota, following its default on payments to Beijing. Notably, India attempted to assert a veto by Sri Lanka over the use of the port by the Chinese military. Sri Lanka has since taken steps to assuage these apprehensions. With Beijing seizing the port, Colombo acutely in debt, and Delhi deeply concerned, the BRI mega-project demonstrates the ongoing competition for influence in the region.

At the very least, Delhi cannot simply rely on history to determine its future in the region. The Indian Prime Minister's recent remarks in Singapore suggest he is taking this lesson to heart.

During his keynote address at the Shangri-La Dialogue, the Indian Prime Minister articulated a vision of a "free, open and inclusive" Indo-Pacific, which may be familiar to observers in Washington, but with important nuances and departures unique to India's perspective of itself and foreign affairs.

In an implicit criticism of China's BRI program, the Indian Prime Minister noted that infrastructure initiatives must promote trade, not strategic competition; empower nations, as opposed crippling them with debt; and respect norms of sovereignty and territorial integrity. India has been very vocal in its opposition to the BRI's centrepiece, the $46 billion China-Pakistan Economic Corridor (CPEC), which will transit disputed territory in Kashmir, claimed by India, but administered by Pakistan. Most recently, Delhi rejected Beijing's offer to broker an India-Pakistan dialogue via the **auspices** of the Shanghai Cooperation Organization (SCO) and refused to offer support for CPEC at the annual SCO summit.

Question No. 139. What is meant by the term 'cordon sanitaire' as used in the passage?
1. An artificial wall created by super powers in order to segregate themselves from others
2. A measure designed to prevent spread of undesirable influences
3. A series of schemes launched by the powerful only in their favour
4. Demonstration of one's power by prohibiting others to have a significant role
5. The inability of developing countries to enter into the pool of developed countries
Answer : A measure designed to prevent spread of undesirable influences

In the context of the passage, it implies that Nepal traditionally played the role of a buffer state in South Asia, acting as a barrier to outside influences and undesirable elements from entering the region.

Question No. 140. What made Nepal seek help from China?
1. India physically blocking Nepal entry to India at the Indo-Nepal border
2. India started an undeclared blockade of Nepal after Nepal framed the new laws regarding the inhabitants of Indo-Nepal border
3. India blocked supplies to Nepal as per India's new laws regarding the community staying at Nepali-Indian borders
4. India boycotted Nepali goods due to its increasing proximity which China
5. India adopted a new constitution to deal with Nepal which was posing to be a hurdle in India's gerrymandering process

Answer : India started an undeclared blockade of Nepal after Nepal framed the new laws regarding the inhabitants of Indo-Nepal border

"In 2015, Delhi initiated an informal blockade of Nepal following the adoption of a new constitution. India interpreted the effort as a form of political "gerrymandering" designed to isolate ethnic minorities living on the open Nepali-Indian borderland, particularly the Madeshis and the Tharu communities, thus threatening stability within India."

Question No. 141. What were the eventual results of the help pleas made by Nepal to China?
A. Nepal was allowed access to Chinese port for transit
B. Chinese tourist to Nepal did not need visas anymore
C. China became a permanent source of Nepal petroleum supplies
1. Both A and C
2. Both B and C
3. Both A and B
4. Only C
5. All A, B and C

Answer : All A, B and C

"Beijing responded to Kathmandu's plea for help by expediting fuel supplies and opening trade routes closed after the devastating earthquake in April 2015. Nepal soon entered into a perm anent arrangement for petroleum supplies from China, a transit treaty allowing Nepal access to Chinese ports, and a visa-free travel regime for Chinese tourists."

Question No. 142. What does the author suggest to Nepal?
A. Nepal should not rely too much on China as China may have some hidden motives
B. Nepal should take cue from the incident of surrendering of Hambantota Port by Sri Lanka
C. Nepal should realise the importance of its age old relationships with India
1. Only B
2. Both B and C
3. Both A and B
4. Only A
5. All A, B and C

Answer : Only B

In the passage, the author mentions Sri Lanka's situation regarding the surrender of the Hambantota Port to China after reportedly ceding control due to a default on payments.
The author suggests that Nepal should take this as a cautionary note.

Question No. 143. Choose the word/group of words which is most similar in meaning to the word/group of words printed in bold as used in passage .
"Patronage"
Options :
1. Leaden
2. Contending
3. Benefaction
4. Raze
5. Sleuth

Answer : Benefaction

The word "patronage" in the passage refers to support or sponsorship. Benefaction: This word means a charitable donation or act of kindness, which is somewhat related to patronage but not an exact synonym.

Direction : Given below are five jumbled sentences. Select the option that gives their correct logical sequence.

Question No. 144. A: Rolled out in 2020, NEP aims to revamp teaching methods, emphasize
B: Practical learning, and promote critical thinking
C: Introduced by the Indian government to transform the country's education system
D: The New Education Policy (NEP) is a comprehensive framework
E: It advocates for a holistic and flexible approach to education, from primary to higher levels
1. CAEBD
2. ABCED
3. DCABE
4. EADCB
5. BCAED
Answer : DCABE

D: "The New Education Policy (NEP) is a comprehensive framework": This sentence introduces the topic of the paragraph, which is the New Education Policy (NEP).

C: "Introduced by the Indian government to transform the country's education system": This sentence provides additional information about NEP by mentioning that it was introduced by the Indian government with the aim of transforming the education system.

A: "Rolled out in 2020, NEP aims to revamp teaching methods, emphasize": This sentence provides a specific detail about when NEP was implemented and introduces its primary goals, such as revamping teaching methods.

B: "Practicallearning, and promote critical thinking": This sentence elaborates on the goals of NEP by mentioning specific aspects it aims to emphasize, including practical learning and critical thinking.

E: "It advocates for a holistic and flexible approach to education, from primary to higher levels": This sentence concludes the paragraph by explaining the overall approach advocated by NEP, which is a holistic and flexible education system covering various levels.

Direction : Given below are five jumbled sentences. Select the option that gives their correct logical sequence.

Question No. 145. A: Brazil, Russia, India, China, and South Africa
B: Their combined influence has reshaped the global economic landscape
C: BRICS is an acronym for the group of five major emerging economies
D: That was formed in 2009, and the BRICS nations collaborate on economic, political, and strategic matters
E: Focusing on mutual growth, trade, and development
1. CADBE
2. AEDCB
3. BDCEA
4. EABCD
5. DACBE
Answer : CADBE

C: "BRICS is an acronym for the group of five major emerging economies": This sentence introduces the topic of the paragraph and provides the acronym "BRICS."

A: "Brazil, Russia, India, China, and South Africa": This sentence lists the member countries of the BRICS group, providing specific names associated with the acronym.

D: "That was formed in 2009, and the BRICS nations collaborate on economic, political, and strategic matters": This sentence provides additional information about the formation of BRICS and its purpose. It mentions the collaboration among the member nations on various important matters.

B: "Their combined influence has reshaped the global economic landscape": This sentence explains the impact of BRICS by highlighting how the collective influence of these nations has affected the global economic landscape.

E: "focusing on mutual growth, trade, and development": This sentence elaborates on the specific areas of focus for BRICS, which include mutual growth, trade, and development.

Direction : Following is given a paragraph with seven blanks. The paragraph is followed by seven questions which contain five options in each. Choose the correct options that can fill the blanks and form a meaningful paragraph.

Ecosystems are _____1. webs of life that encompass both living organisms and their physical environment. These _____2. and interconnected systems are fundamental to the health and stability of our planet. Ecosystems come in various forms, from lush rainforests teeming with diverse plant and animal species to arid deserts where life has _____3. to extreme conditions. At the heart of every ecosystem are the primary producers, often plants, which _____4. energy from the sun through photosynthesis. This energy is then _____5. through the food chain as herbivores consume plants, and carnivores, in turn, prey on herbivores. This trophic structure forms a pyramid of trophic levels, illustrating the flow of energy and matter through the ecosystem. _____6. from these biotic interactions, abiotic factors such as climate, soil quality, and water availability play a crucial role in shaping ecosystems. Changes in any of these factors can have far-reaching consequences for the organisms within the ecosystem. For example, a shift in temperature or precipitation patterns can lead to the displacement of species or even ecosystem _____7.

Question No. 146. Fill blank number 1 with a correct option:

1. Clear
2. Easy
3. Intricate
4. Limpid
5. Apparent

Answer : Intricate

"Intricate" means complex and detailed, which accurately describes ecosystems as complex networks of life.

Question No. 147. Fill blank number 2 with a correct option:

1. Unanimous
2. United
3. Diverse
4. Divergence
5. Dissent

Answer : Diverse

"Diverse" signifies a wide variety, which is appropriate for describing ecosystems with different forms.

Question No. 148. Fill blank number 3 with a correct option:

1. Adapted
2. Adopted
3. Adhered
4. Admonished
5. Animosity

Answer : Adapted

"Adapted" is the right term here, indicating how life has adjusted to extreme conditions.

Question No. 149. Fill blank number 4 with a correct option:

1. Capture
2. Rapture
3. Defeat
4. Loss
5. Assent

Answer : Capture

"Capture" fits here, describing how primary producers (often plants) obtain energy from the sun through photosynthesis.

Question No. 150. Fill blank number 5 with a correct option:

1. Transferred
2. Transformed
3. Transit
4. Transitioned
5. Transform

Answer : Transferred

"Transferred" is the correct term, indicating the movement of energy through the food chain.

Question No. 151. Fill blank number 6 with a correct option:

1. Among
2. Part
3. Between
4. Beside
5. Apart

Answer : Apart

Apart from means besides i.e 'in addition to'. It shows the relationship between biotic interactions and abiotic factors.

Question No. 152. Fill blank number 7 with a correct option:

1. Coalesce
2. Collapse
3. Cooperate
4. Conundrum
5. Cacophony

Answer : Collapse

"Collapse" is the appropriate word, suggesting what can happen to an ecosystem in the event of a shift in temperature or precipitation patterns.

Question No. 153. Given below are a few sentences with two blanks in each. Below each sentence are given four pair of words among which one pair might fill the blank. If none of the words fill the blank to form a meaningful sentence, choose option 5 'None of the above' as your answer.

The athlete had to _____ through the grueling training program in order to _____ his skills for the upcoming championship.

1. persevere, hone
2. breeze, neglect
3. excel, maintain
4. slack off, deteriorate
5. None of the above
Answer : persevere, hone
The athlete had to persevere (persist or endure) through the grueling training program in order to hone (improve and refine) his skills for the championship.

Question No. 154. Given below are a few sentences with two blanks in each. Below each sentence are given four pair of words among which one pair might fill the blank. If none of the words fill the blank to form a meaningful sentence, choose option 5 'None of the above' as your answer.
The professor delivered a _____ lecture on quantum physics, leaving the students feeling _____ about the mysteries of the universe.
1. informative, enlightened
2. boring, frustrated
3. perplexing, indifferent
4. confusing, uninterested
5. None of the above
Answer : informative, enlightened
The sentence describes the professor's lecture as informative, which left the students feeling enlightened (informed or educated) about the mysteries of the universe.

Question No. 155. Given below are a few sentences with two blanks in each. Below each sentence are given four pair of words among which one pair might fill the blank. If none of the words fill the blank to form a meaningful sentence, choose option 5 'None of the above' as your answer.
The company's innovative approach to marketing helped them _____ their competitors and _____ a strong market presence.
1. outshine, establish
2. outsmart, weaken
3. outmaneuver, maintain
4. outpace, challenge
5. None of the above
Answer : outshine, establish
The sentence indicates that the company's innovative approach helped them surpass their competitors and establish a strong market presence. "Outshine" means to surpass or excel in comparison to others.

Question No. 156. Choose the antonym of the word DECRY
1. condemn
2. denounce
3. praise
4. relevant
5. furious
Answer : praise
"decry" means to criticize or express disapproval of something,

Question No. 157. choose the synonym of the word ALACRITY
1. Lethargy
2. Indifference
3. eagerness
4. substitute
5. undermine
Answer : eagerness
Alacrity means a brisk and cheerful readiness or willingness to do something.

Question No. 158. Out of the statements given below, find the statement that is correct. If all the statements are correct, choose E, i.e., 'All are correct,' and if no statement is correct then choose 'None correct'.

A. The marathon runner, after months of rigorous training, finally achieved his goal of completing a 26.2-mile race.

B. The artist's masterpiece, displayed in the art gallery, was admired by visitors for its intricate details and vivid colors.

C. The diligent student, despite his hard work and dedication, fails to pass the exam.

D. The ancient castle, with its towering walls and drawbridge, is a popular tourist attraction.

E. All are correct

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

Answer : Option E

All the sentences are grammatically correct.

Question No. 159. Out of the statements given below, find the statement that is correct. If all the statements are correct, choose E, i.e., 'All are correct,' and if no statement is correct then choose 'None correct'.

A. The majestic mountain range, with its snow-capped peaks, stretches for miles and offers a breathtakingly view at sunrise.

B. In the bustling city, the tranquill park provides a peaceful retreat from the urban chaos.

C. The ancient library, filled with rare manuscripts, is a treasure trove of knowledge and history.

D. The ocean's depths, teeming with diverse marine life, remains a mystery to be explored.

E. None correct

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

Answer : Option C

A. The majestic mountain range, with its snow-capped peaks, stretches for miles and offers a breathtakingly view at sunrise. (Error: "breathtakingly view" should be "breathtaking view.")

B. In the bustling city, the tranquill park provides a peaceful retreat from the urban chaos. (Error: "tranquill" should be "tranquil.")

C. The ancient library, filled with rare manuscripts, is a treasure trove of knowledge and history. (No error)

D. The ocean's depths, teeming with diverse marine life, remains a mystery to be explored. (Error: "remains" should be "remain.")

Question No. 160. Out of the statements given below, find the statement that is correct. If all the statements are correct, choose E, i.e., 'All are correct,' and if no statement is correct then choose 'None correct'.

A. The new software update fixed several bugs and improved performance.

B. Despite of the heavy traffic, they arrived at the airport in time for their flight.

C. He tried to juggle multiple tasks simultaneously, but they only led to confusion.

D. The chef prepared a delicious three-course meals for the guests.

E. None correct

1. Option A
2. Option B
3. Option C
4. Option D
5. Option E
Answer : Option A
B: Despite the heavy traffic, they arrived at the airport in time for their flight. (The error was in the original sentence, "Despite of" should be corrected to "Despite.")
C. He tried to juggle multiple tasks simultaneously, but it only led to confusion. ("it" refers to the singular action of trying to juggle tasks)
D. The chef prepared a delicious three-course meal for the guests. (The error was in the original sentence, "meals" should be corrected to "meal.")

Reasoning Aptitude

Direction : Answer the questions based on the information given below.
Seven employees A, B, C, D, E, F and G of a police ranks working at seven different designation i.e. DGP, ADGP, IGP, DIGP, INSPECTOR, SI and HAVILDAR but not in the same order. The precedence of the designations is in the same order as mentioned above such that DGP is considered as senior – most and HAVILDAR is considered as the junior – most. All the persons belong to the seven different states i.e. MP, UP, HP, UK, MH, Assam and Kerala but again not in the same order. C is immediate junior to the one who belongs to MP and is not the SI. Only two persons are senior than F, who does not belong to HP. E belongs to Kerala and is junior than G but not immediate junior. G does not
belong to UP. D is immediate senior to the one who belongs to HP. D is junior than the one, who belongs to UP. Neither INSPECTOR nor HAVILDAR belongs to HP. The one who belongs to MH is senior than D but junior than A, who is not the DGP. The INSPECTOR does not belong to UK. A does not belong to Assam.
Solution:-
1. Only two persons are senior than F which means F is IGP.
2. D is just senior than the one who belongs to HP. Neither INSPECTOR nor HAVILDAR belongs to HP.
3. F does not belong to HP. D is junior than the one, who belongs to UP. The one who belongs to MH is senior than D but junior than A, who is not the DGP.
So, from the above clues it is clear that the one who works as SI, belongs to HP which means D works as INSPECTOR. Also, either F or the one who works as DIGP belongs to MH. So, we have two cases.
Case I: When F belongs to MH:

Designations	Person	States
DGP		
ADGP	A	
IGP	F	MH
DIGP		
INSPECTOR	D	
SI		HP
HAVILDAR		

Case II: When the one who works as DIGP belongs to MH:

Designations	Person	States
DGP		
ADGP	A	
IGP	F	
DIGP		MH
INSPECTOR	D	
SI		HP
HAVILDAR		

4. C is immediate junior to the one who belongs to MP and is not the SI. E belongs to Kerala and is junior than G but not immediate junior.

5. G does not belong to UP. A does not belong to Assam.

So, case I is invalid as we can't place C in case I and in case II C must be working as DIGP.

6. E belongs to Kerala and G is senior than E but not immediate senior. So, G must be working as DGP.

7. D is junior to the one who belongs to UP which means A belongs to UP as G does not belong to UP so, G belongs to UK and D belongs to Assam.

The final arrangement is as follows:

Designations	Person	States
DGP	G	UK
ADGP	A	UP
IGP	F	MP
DIGP	C	MH
INSPECTOR	D	Assam
SI	B	HP
HAVILDAR	E	Kerala

Question No. 161. Who belongs to Assam?

1. The one who works as SI
2. The one who works as INSPECTOR
3. The one who works as DIGP
4. The one who works as HAVILDAR
5. None of the above

Answer : The one who works as INSPECTOR

Question No. 162.Who works as ADGP?

1. G
2. C
3. F
4. A
5. None of the above

Answer : A

Question No. 163. How many persons have positions between G and D?
1. Three
2. Two
3. Four
4. One
5. None
Answer : Three

Question No. 164. Who is immediate senior to E?
1. A
2. D
3. B
4. C
5. None of the above
Answer : B

Question No. 165. Which of the following statement is true?
1. G is working as ADGP
2. E works as SI
3. C belongs to HP
4. A belongs to UK
5. B belongs to HP
Answer : B belongs to HP

Direction : Answer the questions based on the information given below.
There are seven members in a family (M, N, O, P, Q, R and S) which consists of three generations. There is only one married couple in the family. The least number of persons in the family is only in 3rd generation.
M is the only son of N, who has three children. R is the brother in law of O, who is father of S. Q is the paternal aunt of P. S is not the mother of P.

Question No. 166. How is P related to mother of S?
1. Son
2. Grandson
3. Grand daughter
4. Daughter in law
5. Either B or C
Answer : Either B or C

R (+) = N (-) X O (+)
                |
Q (-) = M (+) = S (-)
                |
           P (+/-)
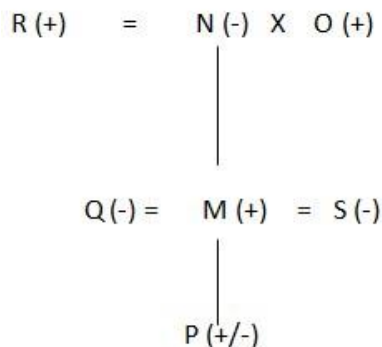
Question No. 167. How is R related to Q?

1. Father
2. Brother
3. None of the above
4. Paternal Uncle
5. Maternal Uncle

Answer : Maternal Uncle
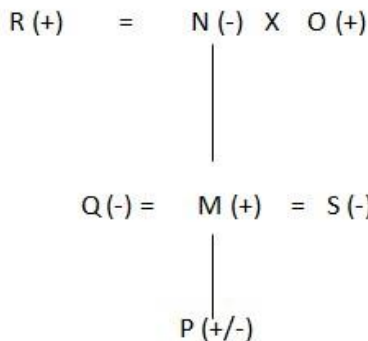
Direction : In the following question, the symbols $, @, & , % and # are used with the following meanings as illustrated below:

'R $ S' means 'R is neither greater than nor smaller to S'

'R @ S' means 'R is neither greater than nor equal to S

'R & S' means 'R is neither smaller than nor equal to S

'R % S' means 'R is not smaller than S'

  'R # S' means 'R is not greater than S

Now, in each of the following question assuming the given statement to be true, find which of the two conclusions I and II given below them is / are definitely true. Give answer.

Question No.168. Statements: D % E, E & A, A @ B, B # C
Conclusions: I. C & A II. D # B

1. If only conclusion I is true.
2. If only conclusion II is true.
3. If either conclusion I or II is true.
4. If neither conclusion I nor II is true.
5. If both conclusion I and II are true.

Answer : If only conclusion I is true.

Decoded statement: D ≥ E , E > A, A < B, B ≤ C

Decoded conclusion B. C > A   II. D ≤ B

Combined Inequalities: D ≥ E > A < B ≤ C

D ≥ E > A < B ≤ C   A < C. Hence conclusion B is true.

D ≥ E > A < B ≤ C   No relationship can be established between D and B. Hence conclusion II is not true.

Question No.169. Statements: P @ Q, Q $ R, R & S, S % T
Conclusions:
I. Q @ S
II. T & P

1. If only conclusion I is true.
2. If only conclusion II is true.
3. If either conclusion I or II is true.
4. If neither conclusion I nor II is true.
5. If both conclusion I and II are true.

Answer : If neither conclusion I nor II is true.

Decoded statement: P < Q, Q = R, R > S, S ≥ T

Decoded conclusion:

I. Q < S

II. T > P

Combined Inequalities: P < Q = R > S ≥ T

P < Q = R > S ≥ T   Q > S. Hence conclusion I is not true.

P < Q = R > S ≥ T   No relationship can be established between T and P. Hence conclusion II is not true.

Question No. 170. Statements: B & A, A # O, O $ Z, Z @ S

Conclusions:

I. Z $ A

II. Z & A

1. If only conclusion I is true.

2. If only conclusion II is true.

3. If either conclusion I or II is true.

4. If neither conclusion I nor II is true.

5. If both conclusion I and II are true.

Answer : If either conclusion I or II is true.

Decoded statement: B > A, A ≤ O, O = Z, Z < S

Decoded conclusion:

I. Z = A

II. Z > A

Combined Inequalities: B > A ≤ O = Z < S

B > A ≤ O = Z < S ≤ Z.

Hence either conclusion I or II is true.

Question No. 171. Statements: P % Q, Q & R, R $ S, S # Z

Conclusions:

I. P & R

II. R # Z

1. If only conclusion I is true.

2. If only conclusion II is true.

3. If either conclusion I or II is true.

4. If neither conclusion I nor II is true.

5. If both conclusion I and II are true.

Answer : If both conclusion I and II are true.

Decoded statement: P ≥ Q, Q > R, R = S, S ≤ Z

Decoded conclusion:

I. P > R

II. R ≤ Z

Combined Inequalities: P ≥ Q > R = S ≤ Z

P ≥ Q > R = S ≤ Z   P > R. Hence conclusion I is true.

P ≥ Q > R = S ≤ Z   R ≤ Z. Hence conclusion II is true.

Question No. 172. Statements: B & C, C # D, D @ E, E % F

Conclusions: I. C & F II. E # B

1. If only conclusion I is true.
2. If only conclusion II is true.
3. If either conclusion I or II is true.
4. If neither conclusion I nor II is true.
5. If both conclusion I and II are true.

Answer : If neither conclusion I nor II is true.

Decoded statement: B > C, C ≤ D, D < E, E ≥ F

Decoded conclusion I. C > F   II. E ≤ B

Combined Inequalities: B > C ≤ D < E ≥ F

B > C ≤ D < E ≥ FNo relationship can be established between C and F. Hence conclusion I is not true.

B > C ≤ D < E ≥ FNo relationship can be established between B and E. Hence conclusion II is not true.

Direction : Study the given alphanumeric symbol series carefully and answer the questions based on it.

J 9 & 6 V U 8 # W 7 Q $ 8 X G * 2 P M 5 ? 4 / D R A ! E 3 > K

Question No. 173. If all the even numbers are skipped from the series then find the number that come between second vowel from right end and $?

1. 7
2. 5
3. 3
4. 9
5. None of these

Answer : 5

J 9 & V U # W 7 Q **$** X G * P M **5** ? / D R **A** ! E 3 > K

Question No. 174. How many symbols in the given series are immediately preceded by a number but not immediately followed by a letter?

1. None
2. 2
3. 1
4. 3
5. More than 3

Answer : 2

9 & 6, 5 ? 4

Question No. 175. If all the symbols are skipped from the series then which of the following element will be fifth to the right of the highest number of the series?

1. W
2. G
3. 2
4. 8
5. P

Answer : W

J 9 6 V U 8 **W** 7 Q 8 X G 2 P M 5 4 D R A E 3 K

Highest number = 9

Fifth to the right of 9 = W.

Direction :Study the following information carefully and answer the below questions.

Six person A, P, B, Y, Q, and Z sit on the circular table facing the center. They use different types of mobile among Vivo, Oppo, Nokia, Redmi, Motorola, and Realme but not necessarily in the same order.
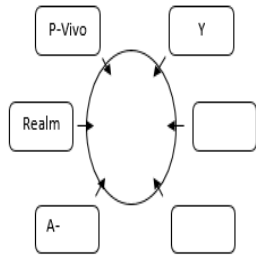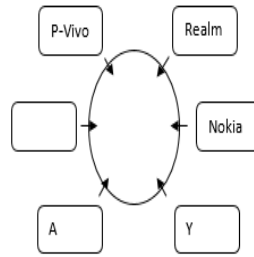
Y sits second to the left of the one who uses Realme mobile. The one who uses Realme mobile and the one who uses Nokia mobile are immediate neighbours. P sits opposite to the one who sits immediate right of A. P neither uses Realme nor Nokia. The one who uses Vivo sits second to the left of A. The one who uses Redmi sits immediate left of the one who uses Motorola. Y neither uses Motorola nor Oppo. Either P or Q uses Oppo. Z does not use Nokia.

<u>**Solution:-**</u>

Using the above statements in the order given below:

P sits opposite to the one who sits immediate right of A.

The one who uses Vivo sits second to the left of A. (That Clarifies P uses Vivo)

Also, it is given that Either P or Q uses Oppo. (So now only Q can use Oppo.)
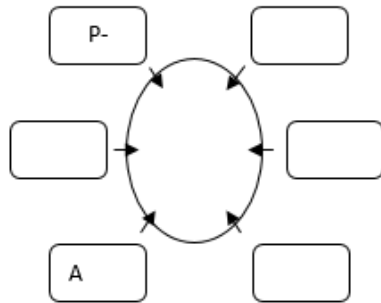
Y sits second to the left of the one who uses Realme mobile. (Which creates more possible cases)
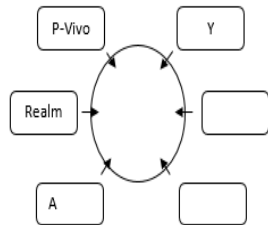
Case - 1
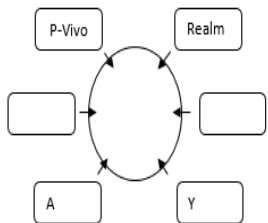
Case – 2   Case - 3
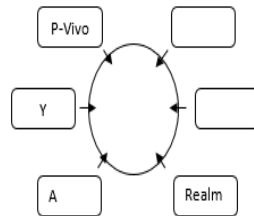
The one who uses Realme mobile and the one who uses Nokia mobile are immediate neighbours.

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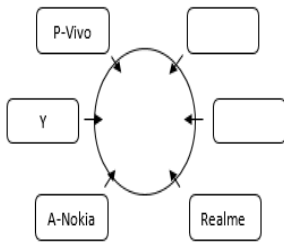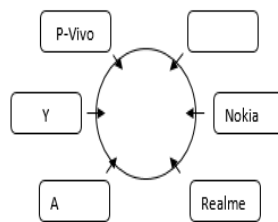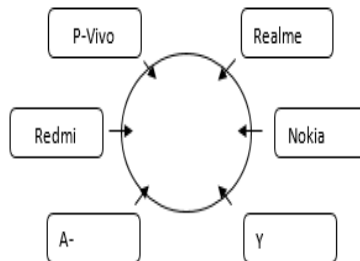
Case–1

Case-2
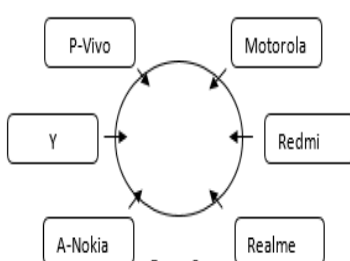

Case-3.a

Case-3.b

The one who uses Redmi sits immediate left of the one who uses Motorola.
Y neither uses Motorola nor Oppo.
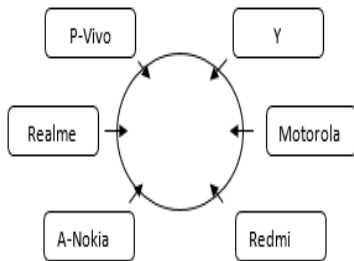
Case–1

Case-2
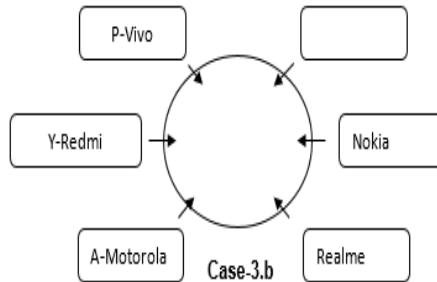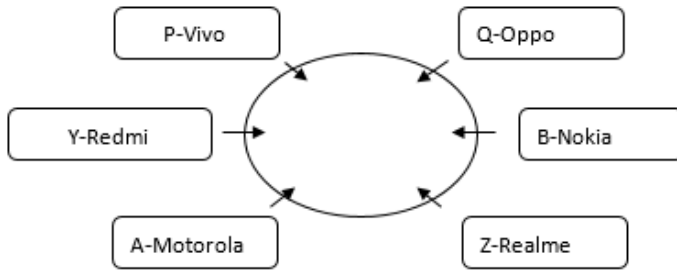

Case-3.a

Case-3.b

As we already know that Q uses Oppo. So only Case-3b has that empty place for Q.

And Z does not use Nokia.

So, this is the **final arrangement.**

Question No. 176. Who among the following sits third to the right of one who sits opposite to one who likes Realme?
1. A
2. Y
3. Z
4. B
5. Q
Answer : Z

Question No. 177. Who among the sits exact in the mid of P and B?
1. The one who uses Vivo.
2. The one who uses Nokia.
3. The one who uses Realme
4. The one who uses Redmi.
5. The one who uses Oppo
Answer : The one who uses Oppo

Question No. 178. How many person sit between the one who uses Redmi and the one using Realme, when counted in the anti-clockwise direction from the one using Redmi?
1. One
2. Two
3. Three
4. Four
5. Five
Answer : One

Question No. 179. Find the correctly matched pair.
1. A- Nokia
2. B- Motorola
3. P-Realme
4. Z-Vivo
5. Y-Redmi
Answer : Y-Redmi

Question No. 180. Who among the following sits immediate left of B?
Options :
1. The one who uses Redmi.
2. The one who uses Nokia.
3. The one who uses Vivo.
4. The one who uses Oppo.
5. The one who uses Realme.
Answer : The one who uses Realme.

Quantitative Aptitude

Question No. 181. What will be the difference between the average of runs scored by all the players together to the average of balls played by all the players together?
1. 15.6
2. 12.4
3. 15
4. 25.2
5. none of these
Answer : 15.6

Players	Pankaj(P)	Quinton(Q)	Ravi(R)	Summit(S)	Tarun(T)
Players Strike rate	145/3	75	200	150	125
Number of Ball played by them	(Total runs scored × 100)/player strike rate = (145 × 100)/(145/3) = 300	240 × 100/75 = 320	228 × 100/200 = 114	336 × 100/150 = 224	435× 100/125 = 348

The sum of the runs scored by all the players together = 435 + 336 + 228 + 240 + 145 = 1384
1384/5 = 276.8
The sum of balls faced by all the players together = (300 + 320 + 114 + 224 + 348) = 1306
The required average will be = 1306/5 = 261.2
The required answer = 276.8 – 261.2 = 15.6

Question No. 182. When we combine the scores of Pankaj and Tarun together then approximately what will be the new strike rate?
1. 70
2. 50
3. 90
4. 45
5. none of these
Answer : 90

Players	Pankaj(P)	Quinton(Q)	Ravi(R)	Summit(S)	Tarun(T)
Players Strike rate	145/3	75	200	150	125
Number of Ball played by them	(Total runs scored × 100)/player strike rate = (145 × 100)/(145/3) = 300	240 × 100/75 = 320	228 × 100/200 = 114	336 × 100/150 = 224	435× 100/125 = 348

ATQ,
The number of runs scored by the player Pankaj and Tarun together
= 145 + 435 = 580
The number of balls played by Pankaj and Tarun together
= 300 + 348 = 648
Hence, the required new strike rate will be = (580 x 100)/ 648
= 89.5 or approx. 90

Question No. 183. Among all the players who had played highest number of balls?

1. Pankaj
2. Quinton
3. Tarun
4. Ravi
5. Summit

Answer : Tarun

Players	Pankaj(P)	Quinton(Q)	Ravi(R)	Summit(S)	Tarun(T)
Players Strike rate	145/3	75	200	150	125
Number of Ball played by them	(Total runs scored × 100)/player strike rate = (145 × 100)/(145/3) = 300	240 × 100/75 = 320	228 × 100/200 = 114	336 × 100/150 = 224	435× 100/125 = 348

ATQ, we can say that From the above table, it is clear that the player Tarun had played highest number of balls

Question No. 184. What will be the average number of balls played by all the players together?

1. 276.2
2. 161.2
3. 261.2
4. 201.2
5. none of these

Answer : 261.2

Players	Pankaj(P)	Quinton(Q)	Ravi(R)	Summit(S)	Tarun(T)
Players Strike rate	145/3	75	200	150	125
Number of Ball played by them	(Total runs scored × 100)/player strike rate = (145 × 100)/(145/3) = 300	240 × 100/75 = 320	228 × 100/200 = 114	336 × 100/150 = 224	435× 100/125 = 348

ATQ, we can say that

The sum of balls faced by all the players together =

(300 + 320 + 114 + 224 + 348) = 1306

The required average will be = 1306/5

= 261.2

Question No. 185. What will be the number of balls played by the player Ravi was how much less than that by Player Summit?

1. 110
2. 120
3. 115
4. 145
5. none of these

Answer : 110

Players	Pankaj(P)	Quinton(Q)	Ravi(R)	Summit(S)	Tarun(T)
Players Strike rate	145/3	75	200	150	125
Number of Ball played by them	(Total runs scored × 100)/player strike rate = (145 × 100)/(145/3) = 300	240 × 100/75 = 320	228 × 100/200 = 114	336 × 100/150 = 224	435× 100/125 = 348

ATQ, we can say that

The number of balls played by Player Ravi = 114

The number of balls played by Player Sumit = 224

The required difference = 224 − 114 = 110

Direction : Find the missing number in the given number series.

Question No. 186. 28, 52, 80, 112, ?

1. 95
2. 150
3. 148
4. 120
5. 110

Answer : 148

ATQ,

28 + 24 = 52

52 + 28 = 80

80 + 32 = 112

112 + 36 = **148**

148 will come in place of ?

Direction : Find the missing number in the given number serie

Question No. 187. 12, 16, ?, 48, 76, 112

1. 25
2. 15
3. 18
4. 28
5. 32

Answer : 28

ATQ,

12 + 4 × 1 = 16

16 + 4 × 3 = **28**

28 + 4 × 5 = 48

48 + 4 × 7 = 76

76 + 4 × 9 = 112

28 will come in place of ?

Direction : Find the missing number in the given number series.

Question No. 188. 32, 52, 82, 124, 180, ?
1. 252
2. 154
3. 187
4. 284
5. 323
Answer : 252
ATQ,
$32 + 4 \times 5 = 52$
$52 + 5 \times 6 = 82$
$82 + 6 \times 7 = 124$
$124 + 7 \times 8 = 180$
$180 + 8 \times 9 = \textbf{252}$
252 will come in place of ?

Direction : Find the missing number in the given number series.

Question No. 189. 45, 58, 84, 123, ?, 240
1. 200
2. 185
3. 175
4. 166
5. none of these
Answer : 175
ATQ,
$45 + 13 = 58$
$58 + 26 = 84$
$84 + 39 = 123$
$123 + 52 = \textbf{175}$
$175 + 65 = 240$
175 will come in place of (?)

Direction : In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answers.

Question No. 190. (I) $P^2 - 66P + 1088 = 0$
(II) $Q^2 - 66Q + 1080 = 0$
1. P > Q
2. P=Q or relation cannot be established
3. P ≥ Q
4. P < Q
5. Q ≥ P
Answer : P=Q or relation cannot be established
 (I) $P^2 - 66P + 1088 = 0$
$P^2 - (34+32)P + 1088 = 0$
$P^2 - 34P - 32P + 1088 = 0$
$P(P - 34) - 32(P - 34) = 0$

(P - 34) (P - 32) = 0
P = 34, 32
(II) Q^2 - 66Q + 1080 = 0
Q^2 - (36+30)Q + 1080 = 0
Q^2 - 36Q - 30Q + 1080 = 0
Q(Q - 36) - 30(Q - 36) = 0
(Q - 36) (Q - 30) = 0
Q = 36, 30
Compare the values of P and Q.
34 < 36
34 > 30
32 < 36
32 > 30
So the relation between P and Q cannot be established.

Direction : In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answers.

Question No. 191. (I) P^2 - 48P + 567 = 0
(II) 18 Q^2 = 7938
  1. P > Q
  2. P=Q or relation cannot be established
  3. P ≥ Q
  4. P < Q
  5. Q ≥ P
Answer : P ≥ Q
 (I) P^2 - 48P + 567 = 0
P^2 - (27+21)P + 567 = 0
P^2 - 27P - 21P + 567 = 0
P(P-27) - 21(P-27) = 0
(P-27) (P-21) = 0
P = 27, 21
(II) 18 Q^2 = 7938
Q^2 = 441
Q = 21, -21
Compare the values of P and Q.
27 > 21
27 > -21
21 = 21
21 > -21
So P≥Q

Direction : In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answers.

Question No. 192. (I) P^2 - 6P - 2592 = 0
(II) Q^2 + Q - 2970 = 0

1. P > Q
2. P=Q or relation cannot be established
3. P ≥ Q
4. P < Q
5. Q ≥ P

Answer : P=Q or relation cannot be established

(I) $P^2 - 6P - 2592 = 0$

$P^2 - (54-48)P - 2592 = 0$

$P^2 - 54P + 48P - 2592 = 0$

$P(P - 54) + 48(P - 54) = 0$

$(P - 54)(P + 48) = 0$

P = 54, -48

(II) $Q^2 + Q - 2970 = 0$

$Q^2 + (55-54)Q - 2970 = 0$

$Q^2 + 55Q - 54Q - 2970 = 0$

$Q(Q + 55) - 54(Q + 55) = 0$

$(Q + 55)(Q - 54) = 0$

Q = -55, 54

Compare the values of P and Q.

54 > -55

54 = 54

-48 > -55

-48 < 54

So the relation cannot be established.

Direction : In each of these questions, two equations (I) and (II) are given. You have to solve both the equations and give answers.

Question No. 193. (I) 2 P^2 +39P+180 = 0

(II) 3 Q^2 -8Q-156 = 0

1. P > Q
2. P=Q or relation cannot be established
3. P ≥ Q
4. P < Q
5. Q ≥ P

Answer : P & Q

(I) $2P^2 +39P+180 = 0$

$2P^2 +(24+15)P+180 = 0$

$2P^2 +24P+15P+180 = 0$

$2P(P+12)+15(P+12) = 0$

$(P+12)(2P+15) = 0$

P = -12, -7.5

(II) $3Q^2 -8Q-156 = 0$

$3Q^2 -(26-18)Q-156 = 0$

$3Q^2 -26Q+18Q-156 = 0$

$Q(3Q-26)+6(3Q-26) = 0$

$(3Q-26)(Q+6) = 0$

Q = -6, 8.67
Compare the values of P and Q.
-12 < -6
-12 < 8.67
-7.5 < -6
-7.5 < 8.67
So P < Q

Question No. 194. 'Preeti' can complete a piece of work in 70 days, while 'Bhanumati' can complete it in 90 days. They both started the work together, but 'Preeti' left after 23 days. 'Bhanumati,' with the assistance of 'Chirag,' completed the remaining work in 21(5/6) days. Calculate the time required for 'Chirag' to complete the entire work on his own.
1. 126 days
2. 130 days
3. 145 days
4. 155 days
5. none of these
Answer : 126 days
ATQ,
Let total amount of work = 630 units (LCM of 90 and 70)
Efficiency of 'Preeti' = 630/70 = 9 units per day
Efficiency of 'Bhanumati' = 630/90 = 7 units per day
Amount of work completed by 'Preeti' and 'Bhanumati' together in 23 days = 16 × 23 = 368 units
Remaining work = 630 – 368 = 262 units
Efficiency of 'Bhanumati' and 'Chirag' together = 262/(131/6) = 12 units per days
So, efficiency of 'Chirag' = 12 – 7 = 5 units per day
Hence required time = 630/5 = 126 days

Question No. 195. How should the total amount be divided among individuals Mohit, Neeti, Ojesh, and Puneet in the respective proportions of 4:5:7:6, if Ojesh receives Rs. 1080 more than Mohit? Determine the overall sum distributed in this scenario.
1. Rs.7920
2. Rs.7900
3. Rs.7000
4. Rs.6520
5. none of these
Answer : Rs.7920
ATQ,
Let, the share of Mohit, Neeti, Ojesh and Puneet be 4a, 5a, 7a, 6a, respectively.
According to the question,
Total amount = (1080/3a) × 22a
= Rs. 7920

Question No. 196. The current age of 'P' is 20% greater than the current age of 'Q.' 'P' is also 6.5 years older than 'R.' Twelve years from now, 'S' will be 9 years older than 'R.' The average present age of all four individuals is 22 years. What is the current age of 'S'?
1. 20 yrs
2. 18.22 yrs
3. 26.5 yrs
4. 15 yrs
5. none of these
Answer : 26.5 yrs
ATQ,
Let present age of Q be 'a' years

Present age of P = 1.2a years
Present age of R = (1.2a – 6.5) years
Present age of S = (1.2a – 6.5 + 9) = (1.2a + 2.5) years
According to question,
a + 1.2a + 1.2a – 6.5 + 1.2a + 2.5 = 22 × 4 = 88
4.6a = 92
a = 20
Present age of S = 1.2 × 20 + 2.5 = 26.5 years.

Question No. 197. Suppose the ratio of the radius to the height of a cylinder is 2:3, then what is the volume of the cylinder when the total surface area of the cylinder is 770 square centimeters?
1. 1520
2. 1665
3. 1617
4. 2150
5. none of these
Answer : 1617
ATQ,
Let the radius of the cylinder = '2r' cm
Height of the cylinder = '3r' cm
Total surface area of cylinder = 770 cm^2
{2 × (22/7) × 2r × 3r + 2 × (22/7) × 2r × 2r} = 770
(44/7) (6r^2 + 4r^2) = 770
10r^2 = 122.5
r^2 = 12.25
r = 3.5
Radius of the cylinder = 7 cm
Height of the cylinder = 10.5 cm
Volume of the cylinder = (22/7) × 7 × 7 × 10.5 = 1617 cm^3

Question No. 198. In a company, the average age of 40 employees is 20 years. When the ages of two managers, one 'a' years old and the other 'a + 10' years old, are included, the average age of the entire group increases by 1 year. What is the age of the older manager?
1. 52 yrs
2. 35 yrs
3. 45 yrs
4. 46 yrs
5. none of these
Answer : 46 yrs
ATQ,
Total age of 40 employees = 40 × 20 = 800 years
Total age of 42 people (employees + Managers) = 42 × 21 = 882 years
Age of manager = 882 – 800 = 82 years
According to the question,
a + a + 10 = 82
2a = 72
a = 36
Hence Required age = 46 years.

Question No. 199. Determine the combined savings of 'Arvind' and 'Bishma' if 'Bishma' has savings equal to one-third of 'Arvind's expenditure, while 'Arvind' earns a salary twice the amount of 'Bishma's expenditure. Additionally, 'Bishma's salary is Rs. 3,000 more than 'Arvind's savings. Given that the total expenditures of 'Arvind' and 'Bishma' amount to Rs. 7,500, calculate the total savings of both individuals.

1. Rs.3500
2. Rs.2500
3. Rs.2000
4. Rs.3000
5. none of these

Answer : Rs.3000

ATQ,
We can say that the salary of 'Arvind' be Rs. '2a'
Expenditure of 'Bishma' = 2a ÷ 2 = Rs. 'a'
Let the expenditure of 'Arvind' be Rs. '3b'
savings of 'Bishma' = 3b ÷ 3 = Rs. 'b'
ATQ,
$2a - 3b + 3000 = a + b$
Or, $3000 = 4b - a$ .... (I)
Also, $a + 3b = 7500$ .... (II)
On adding equation (I) and (II), we have;
$7b = 10500$
Or, $b = 1500$
Putting b = 1500 in equation (I), we have
Or, $a = 4 \times 1500 - 3000$
So, $a = 3000$
Savings of 'Bishma' = 1500
Savings of 'Arvind' = $2a - 3b = 2 \times 3000 - 3 \times 1500 = 1500$
Hence required sum = 1500 + 1500
= Rs. 3,000

Question No. 200. Find the cost price of the digital watch for the shopkeeper if he initially marked it at 80% above the cost price and later offered two successive discounts of 15% and 20%. After these discounts, 'X' spent Rs. 164 on repairing the digital watch and then sold it to 'Y' for Rs. 2400, resulting in a 20% profit for X. Determine the original cost price of the digital watch for the shopkeeper.

1. Rs.1550
2. Rs.1525
3. Rs.1545
4. Rs.1500
5. none of these

Answer : Rs.1500

We can say that cost price of the digital watch for shopkeeper be Rs.'100a'
So,
$(1.8 \times 0.85 \times 0.80 \times 100a) = (2400/1.2) - 164 = 1836$
$122.4a = 1836$
$a = 15$
So, cost price of the digital watch for shopkeeper = Rs.1500.