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SBI CLERK MAINS MODEL TEST- 42

GENERAL AWARENESS

1. Which country 's central Bank signed a Cooperation Agreement (CA) with the International Financial Services Centres Authority (IFSCA) to pursue cross-border FinTech Innovations?
   1) Australia   2) United Arab Emirates   3) Indonesia
   4) Singapore   5) Germany

2. The World Bank's (WBs) Board of Executive Directors approved a loan of _____ to Punjab to Improve Finance & Service Delivery.
   1) USD 160 million   2) USD 140 million
   3) USD 130 million   4) USD 120 million   5) USD 150 million

3. According to the newspapers in November 2022, Union Minister of state for Science and Technology recently dedicated Indian Biological Data Centre (IBDC) to the nation.
   A) This is India's first national repository for life science data.
   B) It will store all life science data generated from publicly funded research in the country.
   C) It was established at the Regional Centre of Biotechnology (RCB) in Gandhinagar, Gujarat.
   D) It has a data "disaster recovery" site in National Informatics Centre (NIC) in Bhubaneshwar, Odisha.
   E) It has a data storage capacity of around 5 petabytes.
   Choose the Incorrect given below:
   1) Only (C) & (E)   2) Only (B) & (C)   3) Only (C) & (D)
   4) Only (B) & (D)   5) Only (A) & (B)

4. Who is the current Managing Director (MD) and Chief Executive Officer (CEO) of Indian Bank?
   1) Shanti Lal Jain   2) P R Rajagopal   3) Karnam Sekar
   4) Mukesh Kumar Jain   5) Debadatta Chand

5. Name the author of the book, 'The Journey of a Nation: 75 Years of Indian Economy: Reemerge, Reinvest, Re-engage'.
   1) Natwar Singh   2) Sanjaya Baru   3) Ahmed Patel
   4) Manmohan Singh   5) Gursharan Kaur

6. Which year is declared as the 'International Year of Millets' by the United Nations (UN)?
   1) 2023   2) 2026   3) 2024   4) 2027   5) 2025

7. Which bank acquired a 10% stake in Go Digit-Life Insurance for an amount ranging between Rs 49.9 crore & Rs 69.9 crore in two tranches?
   1) State Bank of India   2) Axis Bank   3) YES Bank
   4) ICICI Bank   5) HDFC Bank

8. Name the Olympic medalist who was honoured with the 3rd edition of BBC Indian Sportswoman of the Year (ISWOTY) 2021.
   1) Lovlina Borgohain   2) Saina Nehwal   3) Sakshi Malik
   4) Mary Kom   5) Mirabai Chanu

9. Where is the Headquarters of 'Utkarsh Small Finance Bank (SFB)'?
   1) Kolkata , West Bengal   2) Mumbai, Maharashtra
   3) Bengaluru, Karnataka
   4) Varanasi, Uttar Pradesh   5) Chennai, Tamil Nadu

10. According to the newspapers in 2022, world leaders from across the planet, including Prime Minister Narendra Modi, US President Joe Biden, and Chinese President Xi Jinping, have converged in Indonesia, for the 17th Group of 20 (G20) Summit, taking place in the city of Bali.
   A) The G-20 was formed in 1999 against the backdrop of the financial crisis of the late 1990s that hit East Asia and Southeast Asia in particular.
   B) It aimed to secure global financial stability by involving middle-income countries.
   C) It represents around 85 percent of the global GDP, over 75 percent of the global trade, and about two-thirds of the world population.
   D) The first Summit took place in 2008 in Washington DC, US.
   Choose the correct answer given below:
   1) Only (A) & (B) 2) Only (B) & (C) 3) Only (C) & (D) 4) All the above 5) None of these

11. What is the duration of Public Provident Fund (PPF) account?
   1) 03 year   2) 05 years   3) 15 years   4) 18 years   5) 09 years

12. Coal India Ltd (CIL) decided to divest the _____ stake in the Bharat Coking Coal Ltd (BCCL) and subsequent listing on stock exchanges.
   1) 25%   2) 30%   3) 15%   4) 35%   5) 10%

13. Which of the following points are 'correct' with respect to the 'Global Economic and Insurance Outlook' report recently published by the Swiss Re Institute (Switzerland)?
   A) According to the report, India will emerge as the 6th largest insurance market in the world by 2032.
   B) Total insurance premiums in India are predicted to grow by an average of 14% compounded annual growth rate (CAGR) over the next 10 years (2032).
   C) India's life insurance market is expected to be the 3rd largest in the world by 2023.
   1) Only (A)   2) Only (B)   3) Only (C)   4) Both (A) & (B) 5) Both (B) & (C)

14. The Government of India constituted a Task Force to control the Monkeypox cases in India. The Taskforce will be headed by whom?
   1) Randeep Guleria   2) Vinod K. Paul   3) Rajesh Bhushan
   4) Lav Agarwal   5) Balram Bhargava

15. 'Kalatop & Khajjiar Wildlife Sanctuary' is located in which of the following Indian state?
   1) Gujarat   2) Haryana   3) Himachal Pradesh 4) Jharkhand 5) Karnataka

16. The people of Ukraine have been awarded its annual Sakharov Prize 2022 for Freedom of Thought by the European Parliament, which of the following statements is TRUE for the Sakharov Prize 2022?
   A) The award is given to honor their fight against Russia's invasion.
   B) The Ukrainian People have been awarded for safeguarding their democracy, freedom, and rule of law. Risking their lives for Europe.
   C) The prize money of €50,000 (£43,560) will be distributed to representatives of Ukrainian civil society.
   D) This awarded annually since 1985 to individuals and organizations defending human rights and freedoms.
   1) Both (A) & (B)   2) Both (B) & (C) 3) Both (C) & (D)
   4) Both (A) (B) & (C)   5) Both (B) (C) & (D)

17. In which city will the '12th DefExpo-2022' be held in India from October 18th to 22nd, 2022?
   1) Chennai, Tamil Nadu   2) Haldia, West Bengal 3) Chandipur, Odisha
   4) Mumbai, Maharashtra   5) Gandhinagar, Gujarat

18. India contributed how many crore to a voluntary trust fund to support United Nations Human Rights (UNHR)?
   1) Rs 04 Crore 2) Rs 03 Crore 3) Rs 01 Crore   4) Rs 02 Crore   5) Rs 05 Crore

19. Which Small Finance Bank (SFB) recently partnered with Dvara E-Dairy Solutions Private Limited to provide Dvara Surabhi Loan, a Cattle Loans for Dairy Farmers?
   1) ESAF SFB   2) Utkarsh SFB 3) Jana SFB   4) Suryoday SFB 5) Ujjivan SFB

20. Recently, which organizations have partnered with the Global Energy Alliance for People and Planet (GEAPP) to accelerate the Green Energy Transition at USD 1 billion?
   A) Asian Development Bank (ADB)
   B) International Monetary Fund (IMF)
   C) Asian Infrastructure Investment Bank (AIIB)
   1) Only (A)   2) Only (B)   3) Only (C)   4) Both (A) & (B) 5) Both (B) & (C)

21. As per the Ministry of Finance, India's Goods and Services Tax (GST) collections in September Month 2022 were _____.
    1) Rs 1.27 lakh crore   2) Rs 1.37 lakh crore   3) Rs 1.67 lakh crore
    4) Rs 1.57 lakh crore   5) Rs 1.47 lakh crore

22. The Banking Ombudsman Scheme is introduced under _____ of the Banking Regulation Act, 1949.
    1) Section 35 A 2) Section 40 A 3) Section 20A 4) Section 25 A 5) Section 30 A

23. "Karma" is the dance form of which of the following Indian state?
    1) Uttar Pradesh   2) Madhya Pradesh
    3) Himachal Pradesh   4) Arunachal Pradesh   5) Tripura

24. What is the maximum amount that can be deposited in a year in an account under the Sukanya Samriddhi Yojana (SSY)?
    1) Rs. 3, 50,000   2) Rs. 1, 00,000 3) Rs. 1, 50,000
    4) Rs. 2, 50,000   5) Rs. 3, 00,000

25. Consider the following statements regarding to National Disaster Management Authority (NDMA) celebrated its 18th Formation Day on September 28, 2022, in New Delhi.
    A) The theme for this year's Foundation Day was "Volunteerism in Disaster Management".
    B) It is India's apex statutory body for disaster management.
    C) It was formally constituted on 27th September 2006, by the Disaster Management Act, 2004.
    Choose the correct answer given below:
    1) Only (A)   2) Only (B)   3) Only (C)   4) Only (A) & (B) 5) Only (B), & (C)

26. The Indian government has activated bilateral air service agreements with 116 countries in August 2022, which of the following statement is TRUE for bilateral air service agreements?
    A) Any designated foreign airline can operate to/from a point in India if it is designated as a point of call in the bilateral Air Services Agreement (ASA)
    B) Indian designated carriers are free to mount scheduled operations to/from any international airport.
    C) Any designated foreign airline company is free make rules with respect to Indian Airports.
    1) Both (A) & (B)   2) Both (B) & (C)   3) Both (A) & (C)
    4) All the above   5) None of these

27. Which IT company announced the signing of a new five-year contract for digital transformation with Nokia of Finland?
    1) TCS   2) Infosys   3) Microsoft   4) Wipro   5) HCL

28. Which bank has launched its first branch dedicated to start-ups in Koramangala, Bengaluru?
    1) State Bank of India   2) Allahabad Bank 3) Punjab National Bank
    4) Bank of Baroda   5) Canara Bank

29. Which city has the highest average level of fine PM 2.5 among the world's most populated cities, as per HEI's recent report?
    1) Dhaka   2) Varanasi   3) Colombo   4) Kathmandu   5) New Delhi

30. Recently which Ministry is celebrated 150th Birth Anniversary of 'Maharishi Aurobindo' on 15 August 2022?
    1) Ministry of Tribal Affairs   2) Ministry of Rural Development
    3) Ministry of Home Affairs   4) Ministry of Culture   5) Ministry of Tourism

31. 'Nagesh Singh' has been appointed as India's ambassador to which country?
    1) USA   2) U.K   3) Thailand   4) France   5) Italy

32. Which companies have signed an MoU with the Bihar State Skill Development Mission to create supply-chain operations talent pool in July 2022?
    1) Infosys   2) Flipkart   3) Google   4) Amazon   5) Myntra

33. When a customer presents a cheque to the bank, the bank is known as_____.
    1) Agent   2) Drawer   3) Maker   4) Payee   5) Drawee

34. The Government has notified new rules for environmentally sound management of waste batteries, which of the following types of batteries are covered under the new rules?
    A) Electric Vehicle batteries
    B) Portable batteries
    C) Automotive batteries
    D) Industrial batteries.
    1) Both (A)   2) Both (B)   3) Both (C)   4) Both (D)   5) All the above

35. In which of the following a credit facility is provided by the bank to an entity for a specific purpose, to be repayable after a short duration?
    1) Advances   2) Loans   3) Security   4) Liabilities   5) Goodwill
36. 13th Petersberg Climate Dialogue has hosted in which city?
    1) Tokyo   2) Berlin   3) New Delhi   4) Paris   5) New York
37. Which of the following is an independent banking industry watchdog that protects consumers of banking services in the country?
    1) Reserve Bank of India   2) Indian Banks' Association   3) Banks Board Bureau
    4) International Bank for Reconstruction and Development
    5) Banking Codes and Standards Board of India
38. As per the RBI's liberalized norms, what is the new limit of External Commercial Borrowing (ECB) under the automatic route?
    1) USD 2 billion   2) USD 500 million 3) USD 1 billion
    4) USD 1.5 billion   5) USD 3 billion
39. 'Palkot Wildlife Sanctuary' is located in which of the following Indian state?
    1) Jharkhand   2) Puducherry   3) Bihar   4) Ladakh   5) Andhra Pradesh
40. Recentl, Maldivian President visited India, who is the President of Maldives?
    1) Sheikh Mushtaq Khan   2) Ibrahim Mohamed Solih
    3) Ibrahim Khan   4) Mohd Sohail khan   5) Mohd Aamir Ali
41. Which of the following is governed by the provisions of Section 42 (1) of the Reserve Bank of India Act, 1934?
    1) Bank rate   2) Statutory liquidity ratio
    3) Cash Reserve Ratio   4) Marginal Standing Facility 5) Reverse Repo Rate
42. Which of the following has restructured its 4 members, high-level panel on cyber security that suggests measures to safeguard the capital markets from cyber attacks?
    1) SIDBI   2) RBI   3) IRDAI   4) SEBI   5) NABARD
43. The National Small Industry Day is observed every year on 30th August, which of the following initiatives were taken by the government to strengthen the MSME in India?
    A) CHAMPIONS portal   B) UDYAM   C) National SC-ST Hub
    1) All the above   2) Only (B)   3) Only (A)   4) Only (C)   5) Botha (A) & (B)
44. What is the name of the Online Market Place feature of the 'MatsyaSetu' mobile app?
    1) Matsya Bazaar   2) Fisheries India 3) Matsya Bharat
    4) Fish Bazaar   5) Aqua Bazaar
45. Which committee has constituted by the Reserve Bank of India (RBI) to look into bank frauds?
    1) Siva Raman Committee   2) Y. H. Malegam Committee
    3) Narsimhan Committee   4) A.K. Lohra Committee   5) Royal Committee
46. The National Highways Authority of India (NHAI) organized a workshop on GNSS based tolling in August 2022, GNSS stands for_____.
    1) General National Satellite System   2) Global Navigation Source System
    3) Global Navigation Satellite System
    4) General Navigation Satellite System   5) Global National Source System
47. India's forex reserves rose by 204 million to 532.868 billion US dollar for the week ended October 7, 2022, which of the following is NOT a part of Forex reserve in India held by RBI?
    1) Reserve Tranche   2) SDR Holdings of IMF   3) Gold
    4) Treasury Bills   5) Foreign Currency Assets
48. The Gujarat International Finance Tec-City (Gift City) and which country's Fintech Association has recently signed MoU to Strengthen Fintech Ecosystem in the fintech domain?
    1) US   2) UAE   3) Japan   4) UK   5) Australia
49. The International Monetary Fund (IMF) has slashed India's economic growth forecast to how much percent from 7.4% for FY22?
    1) 7.2%   2) 7.1%   3) 6.9%   4) 6.8%   5) 6.5%
50. According to the recent newspaper report, which of the following is working on a new "fraud registry", a reporting mechanism to blacklist scammers?
    1) SEBI   2) Economic Advisory Council
    3) Unique Identification Authority of India (UIDAI)
    4) SIDBI   5) Reserve Bank of India

ENGLISH LANGUAGE

Directions (51-60): Read the following passage carefully and answer the questions given below it. Certain words are given in **bold** to help you locate them while answering some of the questions.

With the daily infections accelerating at a blazing speed to _____ (A) 3,45,103 on April 23, and the daily deaths stubbornly remaining above 2,000 and rising since April 20, the second wave is growing at an alarming rate resulting in health-care **facilities** bursting at the seams. The second wave is expected to peak in May. Bhramar Mukherjee, Professor of Epidemiology at University of Michigan in an email says there will be 8–10 lakhs cases a day in mid-May when it peaks, and 4,500 deaths around May 23. Edited excerpts: Since April 1, the number of daily cases has been accelerating at a rapid speed. Can it be due to any reason other than more infectious variants? We have to be cautious here. Causality can sometimes be established by elimination of alternative explanations. Let us try that argument here: We all agree that it is not a single factor but a confluence of different factors all coinciding to create the perfect transmission inferno in India. There was lack of COVID-appropriate behaviour at a time when the country was fully reopening. We were **complacent (E)** with a false sense of security, thinking we have **conquered (F)** COVID-19. Instead of **anticipating (G)** the silent footsteps of this **insidious (H)** virus, we let it run wild without any **surveilance (I)**. Even when we saw the uptick in mid-February, we were dismissive and continued with data denial. The nonchalance, negligence, complacency and hubris cannot be ignored. Colossal mistakes were made by not accelerating vaccination when the virus curve was at its nadir. Even with all of those features factored in, and allowing for a certain rate of re-infection **consistent** with existing literature (84% protection from past infections at seven months), the growth rate that we are seeing with cases growing by 8-fold, deaths increasing by 9-fold, and eight States having a reproduction number (R0) around 2 cannot be adequately explained without entertaining the possibility of an intrinsically more transmissible variant. **We have data now from different Indian States showing that the double mutant or the U.K. variant have quickly become dominant strains in Maharashtra or Punjab for example.** The increasing number of reports of cluster/family level infections also point to this hypothesis.

However, without proper _____ data over geography and time, and proper epidemiological _____ , this evidence is still circumstantial. Even if the rise is due to new _____ transmissive variants, why are we seeing a _____ acceleration since April 1? This is the nature of exponential growth, the virus creeps in silently and explodes astronomically. The rate _____ of the growth is startling, but the pattern is explainable.

This is a feature of the last **surges** for example in the U.S. and U.K. During the 1918 influenza pandemic, India saw a similar pattern. We started imposing lockdowns only recently to slow down transmission. Before then _____ (B) one or two isolated superspreader events but a continuous flow of numerous superspreader events.

51. In the above passage, a paragraph in italics is given from which five words have been replaced with a blank. These words, represented by a letter, are given below the paragraph, in a random order. Rearrange these words in an appropriate order so that these fit the blanks and give out a grammatically and meaning coherent paragraph.
    (A) sequencing (B) highly (C) sudden (D) investigations (E) parameter
    1) EBDCA   2) EDCBA   3) DCEAB   4) ADBCE   5) ADEBC
52. Which of the following is/are true with respect to the passage?
    (A) the number of daily cases has been decreasing at a rapid speed.
    (B) Causality can sometimes be established by elimination of alternative explanations.
    (C) We started imposing lockdowns only recently to slow down transmission.
    1) Only A   2) Only B   3) Both A and B
    4) Both B and C   5) All A, B and C are true

53. Which of the following can fill the blank (B) given in the last paragraph of the passage in a contextually and grammatically correct manner?
    1) we had having not   2) we were have not   3) we was having not
    4) we were had not   5) we were having not

54. Which of the following word can fill in the blank marked as (A) in the passage?
    1) ability   2) capacity   3) reach   4) influence   5) scope

55. Which of the following is/are NOT true with respect to the passage?
    (A) Even when we saw the uptick in mid-February, we were dismissive and continued with data denial.
    (B) Colossal mistakes were made by accelerating vaccination when the virus curve was at its nadir.
    (C) The increasing number of reports of cluster/family level infections also point to this hypothesis.
    1) Only A   2) Only B   3) Both A and B
    4) Both B and C   5) None of the A, B and C are true

56. Find the antonym of the word **surges**.
    1) deluge   2) outpouring   3) swell   4) growth   5) decline

57. In the passage four words highlighted in **bold** (E, F, G, H AND I). choose the which one is wrongly spelled.
    1) complacent   2) conquered   3) anticipating   4) insidious   5) surveilance

58. In the passage sentence is highlighted in bold, which contains may have an error, find out if there is any grammatical error in it.
    We have data now from different Indian States (1) / showing that the double mutant or the U.K. variant (2) / have quickly become dominant strains (3) / in Maharashtra or Punjab for example. (4) / NO ERROR (5)
    1) 1   2) 2   3) 3   4) 4   5) 5

59. Find the antonym of the given word **facilities**
    1) adroitness   2) clumsiness   3) dexterity   4) expertness   5) competence

60. Find the synonym of the given word **consistent**
    1) irrational   2) disagreeing 3) erratic   4) incompatible   5) persistent

    Direction (61-64): In this question a word has been given in followed by a sentence has been given with four words given in **bold** denoted by (A), (B), (C) and (D). One of the four given in **bold** may One of these words may either be misspelt or inappropriate in the given context. Identify the incorrect word. If all of the words are correct, mark option 'All correct' as your answer. Then rearrange the given words in order to form a grammatically correct and meaningful sentence and answer the given questions.

61. The **Intergovernmantal (A)** Panel on Climate Change (IPCC) 1.5°C report called for global carbon **emissions (B)** to reach net-zero by 2050, which the **transformed(C)** cooker of climate diplomacy has quickly **pressure (D)** into a call for all countries to announce 2050 as the net-zero target year.
    1) ABDC: Intergovernmantal 2) BCDA: All correct 3) ABCD:emissions
    4) DCBA:pressure   5) No replacement required: transformed

62. coal is increasingly **mitigation (A)** and **uneconomic(B)** it out over time will bring local gains, such as **phassing (C)** air pollution, aside from climate **reduced (D)**.
    1) ABDC:uneconomic   2) BCDA: phassing   3) ABCD:reduced
    4) DCBA:mitigation   5) No replacement required: All correct

63. First, States are **pending(A)** with their **crores(B)** and lakhs of **finances(C)** of their Goods and Services Tax dues are **strugglling (D)** with the Centre.
    1) ABDC:finances   2) BCDA:crores   3) ABCD: All correct
    4) DCBA:strugglling   5) No replacement required:pending

64. **looking (A)** now at the heart-rending and urgent **appeals(B)** for oxygen **shortages (C)** and vaccines, and the snail's pace of the vaccination drive and reports of vaccine **supplies (D)**.
    1) ABDC:looking   2) BCDA:appeals   3) ABCD: All correct
    4) DCBA:supplies   5) No replacement required: shortages

Direction (65-69): In the following passage, there are blanks, each one has preceded by a word given in **bold**. Every blank has four alternative words given in options (1), (2), (3) and (4). Find the word which best suits the place. If the given word suits the blank, mark (5) 'No change required' as the answer.

While Rajinikanth lent support during elections to the DMK-TMC (1996, 1998) and AIADMK-BJP (2004), in recent years he has made no secret of his admiration for BJP leaders. Not only did he hail Prime Minister Narendra Modi and Home Minister Amit Shah as 'Lord Krishna and Arjuna' — after the (**jettison**) _____ **(65)** of special status granted to Jammu and Kashmir under Article 370 — he targeted Dravidian icon Periyar E.V. Ramasamy while recalling the (**alleged**) _____ **(66)** attacks on Hindu deities during a 1971 anti-superstition rally. He backed the Citizenship Amendment Act. To be fair, since his 'no show' in politics, the actor has remained politically (**shrinking**) _____ **(67)**, though previously he indirectly targeted the DMK and the AIADMK. He has not responded to appeals from 'neutral' (**bystander**) _____ **(68)** to lend his support for "honest, dynasty-free politics". Whether the award's timing would influence the voting choice of his legion of fans is difficult to say as he remains an untested electoral force. However, had the jury put off the announcement of the award by just a week till polling was over, everyone would have unconditionally welcomed the choice. The giver has done the recipient a (**injustice**) _____ **(69)** through the timing of the announcement.

65. 1) forsake   2) slough   3) scrapping   4) ditch   5) No change required
66. 1) purported   2) averred   3) described   4) suspicious   5) No change required
67. 1) withdrawn   2) introverted   3) quiet   4) aseptic   5) No change required
68. 1) eyewitness   2) beholder   3) observers   4) witness   5) No change required
69. 1) insult   2) prejudice   3) disfavor   4) disservice   5) No change required

Directions (70-72): In each of these questions, a paragraph is given that has a blank in it. Out of the given options, only one fits in with the context of the paragraph. Select that as answer.

70. With the TMC reigning supreme, and the BJP falling short in understanding the State, the Opposition space can still be fought for. _____ do some honest soul searching, and build a new politics.
1) the parties were making sure that no stone was left unturned in terms of campaigning and visibility
2) Even among those who agreed, the vote was split equally among the three alliances
3) To reclaim relevance, these parties need to replace their current leaders,
4) The UDF was not able to present a chief ministerial face and the BJP failed to move beyond the margins in what continues to be an intense two alliance competition
5) None of the above

71. The sheen of the TMC's astounding success _____14 lives since the counting of votes on Sunday.
1) the Lokniti-CSDS post-poll survey showed that 49% did not favour a second term for the incumbent UDF government and only 42% supported a second term for the sitting UDF
2) No other leader in the State was able to secure even 5% of the total support for the chief ministerial candidate
3) The Opposition leader, Ramesh Chennithala, was the choice for 3% of the respondents
4) has been somewhat dimmed by violence, attributed largely to its cadres, that has claimed at least
5) None of the above

72. Stressing that it is imperative to both save lives and restore livelihoods, _____ credit availability for ramping up COVID-related health-care infrastructure and services.
1) The BJP's move of roping in E. Sreedharan, the 'Metro man', did not work well; he was a choice for only 2% of the voters
2) The remaining 29% either felt that it would make no difference or did not respond to the question
3) Mr. Das proposed a calibrated response, mooting a ?50,000 crore term liquidity facility to boost

4) The scams failed to negatively impact the LDF and the people focused more on welfare schemes such as free food kits and other measures

5) None of the above

Direction (73-77): In the following question, a small paragraph is given from which five words have been edited out. These words, represented by alphabets, are given below the paragraph, in a random order. Rearrange these words in an appropriate order so that these fit the blanks and give out a grammatically coherent paragraph.

73. The vaccine supply constraints are likely to be resolved by the end of July. Till then, people with co-morbidities, _____ of age, should be prioritised for vaccination. Micro planning for vaccination should be strengthened. For this, health workers and _____ need to go house to house and prepare lists of all the eligible beneficiaries. Next, efforts should be made to help in registering and vaccinating the _____. We estimate that the country should vaccinate at least 10 million people each day to cover the vulnerable population in the next three months. To reach this pace, it is _____ to develop a strong mobilisation strategy, address the concerns of the vulnerable, and improve access to vaccination sites. A strong focus on bottom-up micro planning, similar to what was adopted during the measles-rubella _____ programme and polio programme, can be helpful.

(A) irrespective (B) important (C) vulnerable (D) volunteers (E) elimination
1) CBDEA   2) ADBCE   3) BEDCA   4) BEDAC   5) ADCBE

74. In a break from the norm of not announcing one's choice for an election by secret ballot, Foreign Secretary Harsh Shringla had _____ India's support for the Maldives in November 2020, South Block's explanation being that Afghanistan had not yet announced Mr. Rassoul's candidature — which it did in January 2021. New Delhi should now _____ that the Afghan government carries no hard feelings, as some in Kabul had even _____ that India might wish to support Afghanistan as it had sacrificed its turn at the UNSC for India's current term there. It would also be _____ to analyse why Kabul decided to field a candidate late in the race, and not withdraw despite it being clear that its South Asian neighbour was ahead, and did not _____ India closely on the process.

(A) important (B) announced (C) consult (D) hinted (E) ensure
1) CBDEA   2) ADBCE   3) BEDCA   4) BEDAC   5) ADCBE

75. Vaccines will continue to be free for all those who _____ to get their shot at government centres. The 25% vaccines that were _____ to private hospitals will continue too, though the service charges that they _____ will be capped at Rs. 150. This ceiling price on vaccines in hospitals will bring predictability and be hugely beneficial to citizens. The Centre, which _____ all supply of vaccines and had negotiated prices and orders with Bharat Biotech and the Serum Institute saw itself _____ short of supply right in the middle of India's deadly second wave.

(A) desperately (B) choose (C) controlled (D) charge (E) allotted
1) CBDEA   2) ADBCE   3) BEDCA   4) BEDAC   5) ADCBE

76. This is the first detailed study of SARS CoV-2 genomic sequencing data from any Indian State and provides very useful insight on the behaviour and _____ of Delta variants. Around the same time, Public Health England (PHE) reported that the Delta variant has become the most common _____ strain in the U.K., replacing Alpha. The early data from the PHE has interpreted that the Delta variant may be responsible for more _____ disease and higher rate of hospitalisation compared to all previous variants. A week before this data, on May 27, the PHE reported that the effectiveness of a single dose of vaccine (amongst symptomatic patients) was lower against the Delta strain. On June 3, medical journal The Lancet _____ research findings from laboratory studies which examined the neutralising capacity of antibodies from _____ vaccinated with two doses of Pfizer-BioNTech, which was nearly 5.8 fold lower against Delta variants and 2.6 fold less against the Alpha variant, when compared with the ancestor virus.

(A) impact (B) severe (C) published (D) circulating (E) individuals
1) CBDEA   2) ADBCE   3) BEDCA   4) BEDAC   5) ADCBE

77. The rationale, or thinking, of the _____ Administrator of the Union Territory, planning for flight loads of tourists, through four controversial proposals — the Lakshadweep Development Authority Regulation, _____ of Anti-Social Activities Regulation, Lakshadweep Panchayat Regulation and Lakshadweep Animal Preservation Regulation — as "regulations of _____, progress and good government", has apparently not even been able to convince the Union Home Minister. For the local people, and _____ the political spectrum, these changes are arbitrary, authoritarian and will destroy the way of life. The Administrator's fresh response is reliance on the power of government or 'public purpose' for _____ private land, unnecessarily opening the door to conflict and the Supreme Court.
(A) appointed (B) across (C) peace (D) Prevention (E) acquiring
1) CBDEA   2) ADBCE   3) BEDCA   4) BEDAC   5) ADCBE

Direction (78-82): In each question, there are 4 sentences or parts of the sentences that forms a paragraph. Identify the sentence/s or part/s that is/are correct in terms of grammar and usage and choose the answer accordingly.

78. I. After asserting that people should wait for
II. the Union Budget's announcements to trickling down
III. before seeking a fresh stimulus to
IV. cope with the second wave of the pandemic.
1) III and IV   2) I and III   3) I, III and IV   4) I, II and IV   5) No Error.

79. I. The ICC Twenty20 World Cup's shift from India to
II. the United Arab Emirates (UAE) was inevitable following recurrent waves
III. of COVID-19 infections and the logistical difficulties
IV. of hosting the event featuring multiple squads.
1) III and IV   2) I, II and III   3) I, III and IV   4) I, II and IV   5) No Error.

80. I. The CPC's longevity is due in large
II. measure to its ability to sum up to
III. the lessons of history and change
IV. course quite drastically, if required.
1) III and IV   2) I and III   3) I, III and IV   4) I, II and IV   5) No Error.

81. I. I did showcasing my film before its release
II. to my brethren who expressed them
III. apprehensions even after
IV. the Censor Board certified it.
1) III and IV   2) I and III   3) I, III and IV   4) I, II and IV   5) No Error.

82. I. The 'Wolf Warrior' diplomacy in recent times
II. can be saw against that backdrop — the authority and
III. power of the ruling elite in China can under no
IV. circumstances be undermined in the eyes of its people.
1) III and IV   2) I and III   3) I, III and IV   4) I, II and IV   5) No Error.

Direction (83-86): In the following questions, four sentences (A), (B), (C) and (D) are given. Two of which are at their correct positions and the positions of positions of other two have to be interchanged in order to form a meaningful paragraph. If no change is required. Mark 'No change required' as your answer.

83. A. M.K. Stalin, is set to be sworn in as Chief Minister, seems to be an unequal mix of all these.
B. others on alliance arithmetic and local factors.
C. The outcome of the Tamil Nadu Assembly election, in which the DMK emerged triumphant and its leader,
D. Some elections are decided on key issues, some on the incumbent's performance, and
1) AB   2) BC   3) AD   4) CD   5) E

84. A. The spectacular victory of the Left Democratic Front (LDF) in the Kerala Assembly election has put
B. His resolute leadership style and daring political experiments found resounding approval among
C. the spotlight on its lead author, Chief Minister Pinarayi Vijayan.
D. the State's electorate that re-elected an incumbent government for the first time in four decades.
1) AB   2) BC   3) AD   4) CD   5) E

85. A. the country to accept foreign aid after a gap of 17 years, is bound to have far-reaching strategic
    B. The second wave of COVID-19 and its agonising consequences, prompting
    C. implications for India. While the world realises that India is too important to ignore, which perhaps explains the rush to help,
    D. there is little doubt that the country will not be the toast of the western world until it is able to get back on its feet
    1) AB   2) BC   3) AD   4) CD   5) E

86. A. Centrist voters who considered the BJP as an option have been taken aback by its politics in Kerala and beyond.
    B. Some refreshing trends that run contrary to the national slant of BJP politics are evident.
    C. Christian and Muslim communities finding representation in proportion to their populations
    D. The new Kerala Assembly is a cross-section of the State's religious diversity — with Hindu,
    1) AB   2) BC   3) AD   4) CD   5) E

    Direction (87-90): In the following questions, five options are given in each question, select the best one which is either starting of the sentence or ending of the sentence to form a meaningful paragraph. If none of the correct, to mark the option '5' as your answer.

87. India began the week with a record, by administering over 8.6 million doses of vaccine on a single day, an impressive feat even from a global perspective.
    1) Replacing grassroots activism with large-scale defections from other parties can only win short-term rewards, if at all.
    2) For most of May, India struggled to deliver over 2 million doses a day and beginning June, managed to hike it to over 3 million doses daily.
    3) on a perusal of the case diary, or the report made under Section 173 of the Code Of Criminal Procedure, the court is of the opinion that "there are reasonable grounds for believing that the accusation against such person is prima facie true".
    4) Broadly speaking, India follows the adversarial system of criminal justice, where two sides to a dispute attempt to persuade the court that their version of events is true.
    5) None of the above.

88. In Lakshadweep, people have had sedition slapped against them for putting up placards or posters against the Prime Minister. Ms. Sultana's case also reveals the regime's political strategy to threaten dissidents.
    1) In short, unless the police prepare an extremely shoddy case — that is riddled with internal contradictions, for example — a case diary or a report will invariably make out a "prima facie" case against an individual.
    2) Thus, to attract the provisions of the UAPA — the judgment holds — the charge sheet must reveal factual, individualised, and particular allegations linking the accused to a terrorist act.
    3) Ms. Sultana's case is only one among the numerous sedition cases recently registered in the country.
    4) The summit clash commencing at Southampton's Ageas Bowl on Friday, presents an opportunity for both India and New Zealand to gain some ICC silverware that is missing in their trophy cabinets.
    5) None of the above.

89. Official requests for information were sent out to the countries involved in the event. Belarus and Poland have provided some preliminary details. Information is awaited from Greece, Ireland, Lithuania and Switzerland. An interim report is expected to be presented to the ICAO Council by the end of its current session, on or near June 23.

1) If there is a draw or a tie, the championship will be shared which is ideal as in their unique ways, India and New Zealand have repeatedly proved their mettle.
2) Cloud computing is another application facilitating collaboration and data exchanges between doctors, departments, and even institutions and medical providers to enable best treatment.
3) In addition to effective national policies and robust health systems, an effective national response must also draw upon local knowledge.
4) The report is expected to be considered only at the next session, which begins on September 13.
5) None of the above.

90. Some misinformation circulates peer-to-peer on social media and on encrypted messaging services as people share supposed miracle cures and ineffective alternative health tips in good faith or carelessly. This can create problems.
1) But arguably, far more problematic is when people in positions of authority and prominent public figures promote measures that have no scientific basis in the middle of a deadly pandemic.
2) However, there is no doubt that disruptive technology can play an important role in improving the health sector in general.
3) One, under the Indian Penal Code, Section 3, any citizen of India can be tried in India for any offence committed in India, abroad, or even in outer space.
4) The question some are asking is that if these women left India of their own volition and joined what they believed was an Islamic Caliphate.
5) None of the above.

QUANTITATIVE APTITUDE

Direction (91-95) Study the following information carefully to answer the question given.

The passage gives information about the total number of bags sold by Reebok, Nike and Adidas in 2017, 2018, 2019 & 2020.

Reebok – Bags sold in 2018 are 60% more than bags sold in 2017 and ratio of bags sold in 2019 to that of in 2020 is 1:3. Average number of bags sold in 2017 & 2020 are 8,500.

Nike – Bags sold in 2017 are 40% of bags sold in 2020. Bags sold in 2019 are 3,500 more than bags sold in 2017. Bags sold in 2018 are 20% less than bags sold in 2019.

Adidas – Ratio of bags sold in 2017 to 2018 is 1:2 and bags sold in 2020 are 75% of bags sold in 2019. Bags sold in 2018 are 3,000 less than bags sold in 2019.
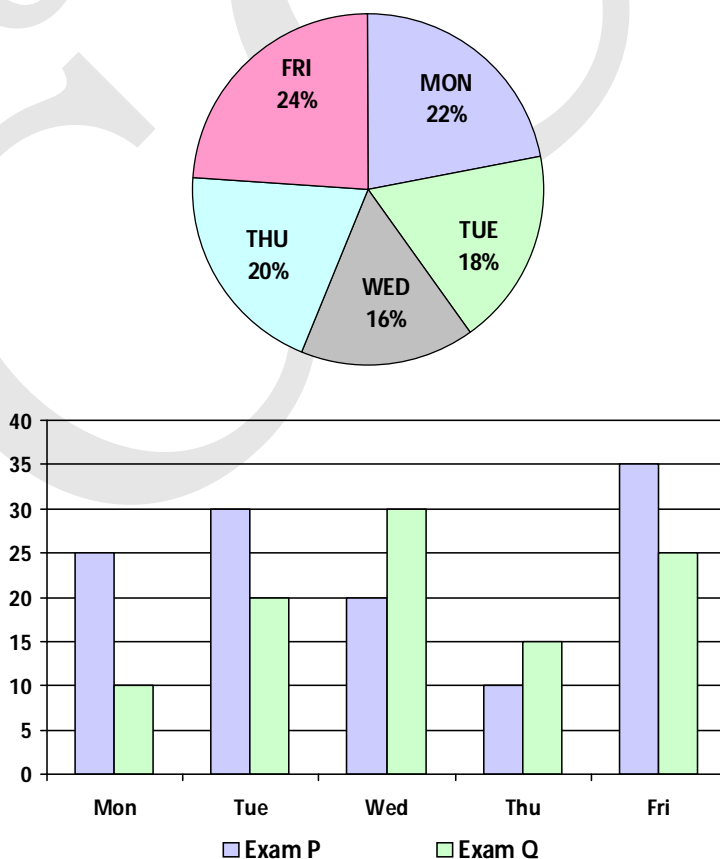
Total bags sold by Adidas in all these 4 years together are 21,500. Ratio of total bags sold by Nike to Adidas in all these 4 years together is 55:43. Total bags sold by Reebok in all these 4 years together are 1,500 more than total bags sold by Nike in all these 4 years together.

91. Bags sold by Reebok in 2017 & 2019 together are what percent of bags sold by Nike in 2020?
1) 100%   2) 90%   3) 120%   4) 60%   5) 80%

92. Find the ratio of bags sold by Adidas in 2017 & 2018 together to bags sold by Reebok & Adidas together in 2020?
1) 5:12   2) 6:13   3) 5:11   4) 7:12   5) 4:5

93. Find the average number of bags sold by these 3 companies in 2019?
1) 7000   2) 8000   3) 6500   d)9000   5) 5000

94. Bags sold by Reebok in 2017, 2019 & 2020 together are how much more or less than bags sold by Nike in 2017, 2019 & 2020 together?
1) 600   2) 700   3) 500   4) 1200   5) 1000

95. Bags sold by Adidas in 2018 & 2019 together are what percent more or less than bags sold by Nike in 2017 & 2018 together?
1) 20%   3) 35%   3) 30%   4) 50%   5) 65%

96. Average present age of a family of 5 persons is 46 years. After 8 years, one person whose age is 70 years died and a child is born. After another 10 years, one person whose age is 40 years left the family. Then, find the average age of the family after another 3 years?
1) 56 years   2) 55.5 years   3) 57.2 years   4) 61 years   5) 53.2 years

97. While buying a kg sugar, a shopkeeper makes cheating of 30% and while selling a kg of sugar, he makes cheating of 25%. If he sells a kg of sugar at 20% more price than the cost price of a kg of sugar, then find his overall profit percentage in this whole transaction?
    1) 100%　　　2) 108%　　　3) 124%　　　4) 96%　　　5) 84%

98. A bag contains total 15 balls of blue, black and red colors. Black colors balls are 25% more than that of red colors balls and blue balls are one more than that of black colors ball. If 20% balls are removed from the bag, then find the minimum probability of blue balls left in the bag?

    1) $\dfrac{1}{4}$　　　　2) $\dfrac{2}{3}$　　　　3) $\dfrac{1}{2}$　　　　4) $\dfrac{2}{5}$　　　　5) $\dfrac{2}{7}$

99. Pipe A & C are inlet pipes and pipe B is an outlet pipe. Pipe A & B together can fill a tank in 105 minutes and pipe B & C together can fill the same tank in 70 minutes. Pipe – A, B & C together can fill the same tank in 30 minutes. Find in much time pipe B alone can empty the whole tank?
    1) 105 minutes　　　　　2) 210 minutes　　　　　3) 90 minutes
    4) 120 minutes　　　　　5) 54 minutes

100. There are two mixtures of water and alcohol. One mixture contains 80% alcohol and another mixture contains 30% alcohol. If 5 liters of first mixture is mixed with X liters of second mixture, then the resulting mixture will contain 61.25% alcohol. Find the value of X?
    1) 4　　　　2) 3　　　　3) 6　　　　4) 8　　　　5) 2

Directions (Q: 101-106): Two exams, P and Q, are to be conducted in a state on five different days of a week, and the exam paper for both exams will be available in two languages: Hindi and English.

The pie chart given below shows the percentage distribution of the number of candidates who attempted for exam P on five different days of a week. The bar graph shows the number of total candidates (in thousand) who attempted the test in the Hindi language in both exams. The table given below shows the ratio of the numbers of candidates who attempted for exam P to that for exam Q during those five days.

Days	Ratio(Attempted for exam P: Attempted for exam Q)
Mon	4:3
Tue	5:7
Wed	7:3
Thu	4:5
Fri	3:4

101. If the number of students attempted the exam P in English is 30000 less than that attempted the exam Q in English Friday, then what is the total number of students who attempted the exam Q in English on Monday and Tuesday?
1) 74250   2) 64650   3) 44550   4) 87800   5) 65700

102. If the number of students attempted exam P in Hindi on Tuesday is 15000 more than that attempted in English, then what will be the ratio of the number of students who attempted exam Q in Hindi to that attempted in English on Monday?
1) 3:35   2) 8:25   3) 4: 27   4) 1: 15   5) 2:17

103. If the total number of students that attempted the exam P in English on Monday is 15000, then what will be the difference between the number of students who attempted the exam Q in Hindi language and English language on the same day?
1) 5000   2) 10000   3) 15000   4) 20000   5) 25000

104. If the number of students attempted the exam Q in English on Wednesday 1800 more than that attempted in Hindi on the same day, then out of the total candidates that attempted for exam P on Tuesday, what percent attempted the exam in English?
1) 23   2) 34   3) 55   4) 72   5) 81

105. If the ratio between the number of students that attempted the exam P in English to that attempted the exam Q in English on Thursday is 6:7, then what will be the average number of students that attempted for exam P on all five days?
1) 20000   2) 30000   3) 40000   4) 50000   5) 60000

106. If the number of students attempted the exam P in Hindi on Wednesday is 5000 less than that attempted in English, then what is the total number of students who attempted the exam P on Monday?
1) 61875   2) 53489   3) 43456   4) 33221   5) 23460

Direction (Q: 107-111): Read the information carefully and answer the questions.
A survey was conducted on a group of 12000 people, 55% of which were males. 25% of the group were above the age of 60 years, while 37.5% of the group is below the age of 20 years. The respective ratio of males, who were less than 20 years, 20-60 years and greater than 60 years is 16:27:23. 62.5% of the total females in the group are married, while the remaining is unmarried. On the other hand, 33.33% of the males are unmarried, while the remaining is married. $\frac{6}{11}$ th of the total males were working and the ratio of studying male and working female is 10:9.

107. What is the difference between unmarried females and married males?
1) 2125   2) 2025   3) 2475   4) 2525   5) 2375

108. If all working are married, then how many married are not working?
1) 1625   2) 1025   3) 1275   4) 1475   5) 1540

109. What is the ratio of the number of males to females of age group (20-60)?
1) 5:4   2) 3:2   3) 7:5   4) 9:8   5) 4:1

110. Studying females are what percent more than the number of females of age group (20-60) years?
1) 25%   2) 10%   3) 50%   4) 75%   5) 40%

111. Unmarried and studying males together are what percent of total number of people? (rounded off to two digits after decimal)
1) 43.33%   2) 33.33%   3) 66.67%   4) 26.67%   5) 28.28%

Directions (112-116): In each of the following questions you have to find out which of the following statement/s is/ are redundant for determining the answer of the given question or can be dispensed with.

112. Find the distance travelled by train in two hours if it travels with its original speed?

Statement I: The train started from the origin station 2 hours later than the scheduled time towards its destination which is 500 km away from the origin.

Statement II: To reach the destination station in the scheduled time the loco – pilot of the train increases the speed to 125% of the original speed.

1) Only I is redundant   2) Only II is redundant

3) Any one of them is redundant   4) None of them is redundant

5) Can't be determined

113. What should be the selling price of the washing machine to make a profit of 10%?

Statement I : An electronic shop dealer marks washing machine 40% above the cost price and after allowing a discount of 20% he claims a profit of Rs. 4200.

Statement II : A shopkeeper sold the same washing machine for Rs. 47500 on the condition that the shopkeeper will pay the transportation cost of Rs 3000 and still he gets a profit of 25%.

1) Only I is redundant   2) Only II is redundant

3) Any one of them is redundant   4) None of them is redundant

5) Can't be determined

114. How many years old will Ram be 'T' years from now?

Statement I : Raj is 20 years older than Ram.

Statement II : The sum of the ages of Raj and Ram is T years.

1) Only I is redundant   2) Only II is redundant

3) Any one of them is redundant   4) None of them is redundant

5) Can't be determined

115. If a rope is cut into three pieces of unequal length, what is the length of the shortest of these pieces of rope?

Statement I: The combined length of the longer two pieces of rope is 17 meters.

Statement II: The combined length of the shorter two pieces of rope is 15 meters.

1) Only I is redundant   2) Only II is redundant

3) Any one of them is redundant   4) None of them is redundant

5) Can't be determined

116. At present, the age of A is $\frac{1}{4}$ th of the age of B then what are their ages?

Statement I : After 10 years, the ratio of their ages will become 7 : 18.

Statement II : 5 years ago, the ratio of their ages will become 2 : 13.

1) Only I is redundant   2) Only II is redundant

3) Any one of them is redundant   4) None of them is redundant

5) Can't be determined

117. A toy shop has an average of 520 customers on Saturdays, 680 customers on Sundays and 360 customers on other days. The average number of customers per day in a month having 31days beginning with a Saturday? (Approximate value)

1) 415   2) 520   3) 481   4) 498   5) 512

118. In how many ways can a group of 2 male and 3 female be selected out of a total of 5 male and 7 female?

1) $\frac{125}{396}$ 2) $\frac{119}{396}$ 3) $\frac{175}{396}$ 4) $\frac{50}{429}$ 5) $\frac{137}{396}$

119. What fraction of $\frac{2}{7}$ must be added to itself to get the new fraction as $\frac{3}{7}$?

1) $\frac{1}{4}$ 2) $\frac{1}{3}$ 3) $\frac{1}{6}$ 4) $\frac{1}{2}$ 5) $\frac{1}{7}$

120. A man lends a certain sum of money at simple interest. The rate of interest for the first one and a half years is 10%, for the next 6 months is 12%, for the next 10 months is 6% after that 8%. If he received Rs. 18000 as interest at the end of 4 years and 1 month, Find the principal?

    1) 50000   2) 40000   3) 30000   4) 70000   5) 60000

    Directions (121-122): Examine the following pattern of the series carefully and answer the following questions.

121. Find the wrong number in series I and following the same pattern, you have to start series II with the wrong number, which is in the 1st series.

    Series I: 155, 160, 167, 178, 191, 209

    Series II: Find the fourth term.

    1) 245   2) 262   3) 232   4) 222   5) 235

122. **Series I:** 74, 78, 87, 103, 129, 164

    Series II: Find the third term.

    1) 158   2) 219   3) 142   4) 183   5) 191

    Direction (123-125): Each question consists of two number series, numbered (I) and (II), each has a number which is wrong (or does not fit the series). Identify the Wrong number in series I and II and answer the given questions. (Note: Both series have different logic)

123. **Series I:** 14, 17, 24, 35, 50, 69, 93

    Series II: 146, 172, 200, 225, 262, 296

    Wrong number in series II is 'N', then which statement is TRUE about $\frac{N}{15}+1$?

    (i) It is a prime number

    (ii) The number is less than or equal to 18

    (iii) It is divisible by 2.

    1) Only (i) and (iii)   2) Only (iii)   3) Only (i)

    4) Only (ii) and (iii)   5) Only (i) and (ii)

124. **Series I:** 143, 132, 118, 98, 75, 48

    Series II: 128, 127, 135, 108, 172, 48, 263

    Wrong number in series II is 'X', then which statement is TRUE about $\frac{x}{4}+1$?

    (i) It is a multiple of 13.

    (ii) It is an odd number.

    (iii) It is a prime number.

    1) Only (i)   2) Only (iii)   3) Both (i) and (ii)

    4) All the three   5) Both (ii) and (iii)

125. **Series I:** 14, 17, 24, 35, 48, 69, 92

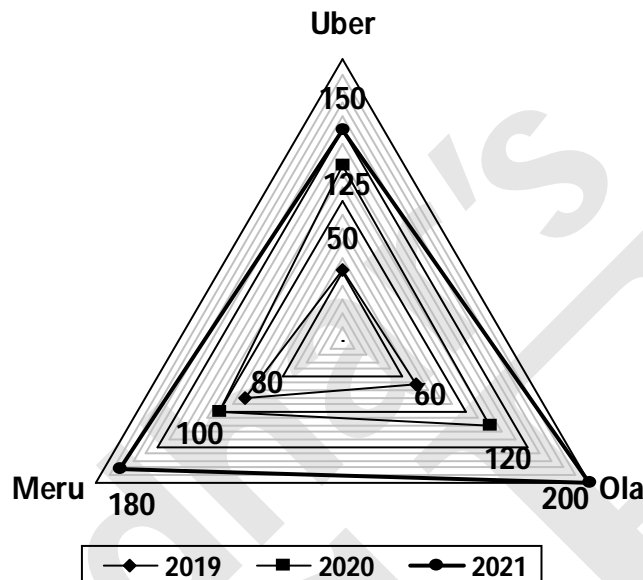   **Series II:** 146, 172, 200, 225, 262, 296

    Wrong number in series I is nearest square of which term?

    1) 6   2) 7   3) 8   4) 9   5) 10

Direction (Q: 126-130): Study the following radar chart carefully and answer the following questions.

The number of cabs owned by 3 different cab companies in three different years

126. In January 2019, each cab covered an average distance of 40 km per day. If each cab earnedRs 0.50 per km, how much money did the company earn in January 2019?
    1) 117800   2) 121800   3) 114000   4) 117700   5)117750

127. The number of new cabs owned by ola in 2020 is what percentage of the number of new cabs owned by uber in the same year?
    1) 20%   2) 45%   3) 53%   4) 80%   5) 94%

128. In which of the cab company, the percentage increase in the number of cabs are highest among all years?
    1) Ola   2) Uber   3) Meru   4) Uber & Ola   5) Uber & Meru

129. In 2021, 40% of the total cabs owned by all companies travelled an average distance of 8 km in a day, while remaining cabs covered an average distance of 4 km in a day. Find the overall average distance covered by each cab in a day?
    1) 4.8 km   2) 6.2 km   3) 3.2 km   4) 5.6 km   5) 7.1 km

130. In the year 2022, if three companies are decided to increase 30% of their cabs as compared to previous year, then find the total cabs in the year 2022?
    1) 700   2) 582   3) 630   4) 732   5) 689

Direction (131-135) What **approximate** value will come in place of the question mark (?) in the given question? (You are not expected to calculate exact value)

131. 45. 09 × 33.93 – 37.3 × 17.19 = ?
    1) 900   2) 750   3) 850   4) 970   5) 1015

132. 168.89 + 143.32 – 6.2 × 4.2 =?
    1) 221   2) 245   3) 292   4) 280   5) 286

133. 532.9 + 147.8 = ? + 123.2
    1) 440   2) 417   3) 553   4) 514   5) 558

134. 59% of 455.9 + 198% of 199.6 = ?
    1) 665   2) 465   3) 472   4) 414   5) 512

135. 731.7 – 378.9 – 207.4 =?
    1) 145   2) 136   3) 124   4) 225   5) 215

Direction (136-140) : In this question two equations numbered I & II are given You have to solve both the equations and find out the appropriate option.

136. I. $12x^2 - 31x + 20 = 0$
     II. $6y^2 - 23y + 20 = 0$
     1) X < Y   2) X ≤ Y   3) X > Y
     4) Relationship between X and Y cannot be established (or) X=Y
     5) X ≥ Y

137. I. $x^2 - 3x - 108 = 0$
     II. $y^2 - 5y - 84 = 0$
     1) X < Y   2) X ≤ Y   3) X > Y
     4) Relationship between X and Y cannot be established (or) X=Y
     5) X ≥ Y

138. I. $x^2 + 5x + 6 = 0$
     II. $y^2 + 7y + 12 = 0$
     1) X < Y   2) X ≤ Y   3) X > Y
     4) Relationship between X and Y cannot be established (or) X=Y
     5) X ≥ Y

139. I. $24x^2 - 166x + 285 = 0$
     II. $2y^2 - 11y + 15 = 0$
     1) X < Y   2) X ≤ Y   3) X > Y
     4) Relationship between X and Y cannot be established (or) X=Y
     5) X ≥ Y

140. I. $x^2 - 1089 = 0$

     II. $y = \sqrt{1089}$
     1) X < Y   2) X ≤ Y   3) X > Y
     4) Relationship between X and Y cannot be established (or) X=Y
     5) X ≥ Y

REASONING

Directions: (141-145) Study the following information carefully and answer the questions given below.

Totally 14 members in that 7 pairs of wife-husband RAJA, RAJI, MANISH, KARUNA, RAMU, RAMI, KARUN, MANISHA, SAMEER, SAMEERA, PAWAN, PAWANI, AMAN and AAMANI They purchase different types of watches in seven companies namely EAGLES, ARIEL GROUP, LOGICAL, PDG, MIND GYM, WRONSKI, and ZF but not respectively in the same order. The couples together like same cars.

MANISHA likes BMW and her husband purchase a watch of PDG Company. There's only one pair who purchase the same watch and like MINI car. KARUN's wife purchase MIND GYM watch. AMAN is the husband of the one who purchase EAGLES and likes BANTLEY. MANISH & PAWAN like INFINITY & CITROGEN respectively and are married to KARUNA & SAMEERA, But not necessarily in the same order. SAMEER, purchase the EAGLES, likes DODGE and the female with the MIND GYM likes RENAULT. RAMU is the husband of PAWANI. SAMEER's wife and PAWAN purchase the ARIEL GROUP watch. RAMI's husband purchase ZF. PAWAN's wife and AAMANI's husband purchase WRONSKI. SAMEERA purchase PDG.

141. Who purchased Wronski? **(1.5 Marks)**
     1) Aman   2) Aamani   3) Rami   4) Karun   5) Can't be determined

142. Which watch purchased by Karun? **(1.5 Marks)**
     1) ZF   2) WRONSKI   3) either 1 or 2
     4) neither 1 nor 2   5) can't be determined

143. "PDG" watch purchased by whom? **(1.5 Marks)**
     1) Ramu   2) Karun   3) Aman   4) Raja   5) Can't be determined

144. Raji purchased which watch? **(1.5 Marks)**
    1) ZF   2) LOGICAL   3) ARIEL GROUP
    4) MINDGYM   5) Can't be determined
145. Which one is correct in below options? **(1.5 Marks)**
    1) Karun – Rami   2) Aman – Aamani   3) Aamani – Karun
    4) Rami – Aman   5) Can't be determined

Directions: (146-150) Study the following information carefully and answer the questions given below.

Intellectual 99 worship 63 284 communicate 17 famously 145 Hindustani
Step1:Communicate intellectual 99 worship 284 17 famously 145 Hindustani 63
Step2:Hindustani communicate intellectual 99 worship 17 famously 145 63 284
Step3:Intellectual Hindustani communicate 99 worship 17 famously 63 284 145
Step4:Worship intellectual Hindustani communicate 99 famously 63 284 145 17
Step5:Famously worship Intellectual Hindustani communicate 63 284 145 17 99

Solve this one: 71 Ultimate 356 pentatonic 58 133 perfect 19 Hindu tradition

146. Which is second to the right of third from the left in last but one step? **(1 Mark)**
    1) tradition   2) 58   3) Perfect   4) 19   5) Pentatonic
147. What is the position of "PENTATONIC" in last step? **(1 Mark)**
    1) third from the right-end   2) second from the left-end
    3) fourth from the left-end   4) third from the left-end
    5) fourth from the right-end
148. How many words and numbers are there between 71 and 356 in second step?
    (1 Mark)
    1) one   2) two   3) three   4) four   5) five
149. What is the difference between last two numbers in last step? **(1 Mark)**
    1) 39   2) 337   3) 114   4) 52   5) 298
150. How many steps need do complete the input? **(1 Mark)**
    1) four   2) five   3) six   4) seven   5) Can't be determined

Directions: (151) study the following information carefully and answer the questions given below.

Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read all the three statements and give answer:

151. Six people A, B, C, D, E and F are sitting around a circular table facing the centre and are equal distant from each other. Who is second to the right of E? **(1 Mark)**
    I. A is to the immediate left of B and B sits opposite to C.
    II. D is to the immediate left of F.
    1) If the data in statement I alone is sufficient to answer the question.
    2) If the data in statement II alone is sufficient to answer the question.
    3) If the data either in statement I alone or statement II alone are sufficient to answer the question.
    4) If the data given in both I and II together are not sufficient to answer the question.
    5) If the data in both the statements I and II together are necessary to answer the question

Directions: (152) Study the following information carefully and answer the questions given below.

    In recent study published in The Journal of Family Practice, no significant benefit over a placebo was found from using the antibiotic Amoxicillin among 135 patients with typical indications of a sinus infection. All the patients complained of sinusitis, with pus in the nasal cavity, facial pressure of nasal discharge lasting longer than seven days. A small subgroup of patients receiving the antibiotic became better faster than the others. But the researchers were unable to discern anything about those patients prior to administering Amoxicillin that indicated a bacterial infection, as opposed to a viral one.

152. From the above passage it may be inferred that? **(1 Mark)**
     1) Use of an antibiotic is beneficial for sinusitis patients.
     2) Antibiotics should be administered to only those sinusitis patients, who have been diagnosed to have a bacterial infection.
     3) Antibiotics do not have any effect on sinusitis patients.
     4) Use of an antibiotic may be beneficial for a small percentage of sinusitis patients with bacterial infection, but in general antibiotics are useless for sinusitis patients.
     5) None of these

Directions: (153-157) Study the following information carefully and answer the questions given below.

Ten friends are sitting in two parallel rows and facing each other. One seat is vacant in each row. Manoj, Nani, Okrosh, Pawan and Quali are sitting in row-1 facing South. Danush, Ellen, Farhan, Gagna and Hari are facing North. Each one likes different brands of Shirts i.e. A, W, U, L, V, J, D, H, P and M but not necessarily in the same order.

Ganga sits third to the right of Farhan and likes L. Only two people sit between Ellen and the vacant seat. Ellen does not like V or U. Quali is not an immediate neighbour of Okrosh. Nani likes M. The one who likes U faces the one who likes H. The one who likes U sits opposite to the one who sits third right of the person who sits opposite to Ganga. Okrosh is not an immediate neighbour of Pawan. Hari, who likes neither V nor J, does not face the vacant seat. Neither Ganga nor Farhan sit at any of the extreme ends of the row. Pawan faces Farhan. Vacant seats are not opposite to each other. Two seats are there between Okrosh and Nani, who sits third right of the one who likes D. The one who likes P faces the one who likes L. The persons who like the A and H are adjacent to each other. Vacant seat of row – 1 is not placed immediately toPawan. Ellen sits at one of the extreme ends of the row. Farhan does not like A and H. Vacant seat of row-1 does not face Ganga.

153. Who is sitting immediate right of one who like V brand? **(1 Mark)**
     1) J   2) W   3) L   4) U   5) M

154. Who is sitting between the persons of who like brand J and V? **(1 Mark)**
     1) Manoj   2) Nani   3) Danush   4) Ganga   5) Quali

155. Who is sitting opposite to vacant seats? **(1 Mark)**
     1) Danush, Pawan   2) Nani, Manoj   3) Danush, Nani
     4) Okrosh, Danush   5) Ellen, Pawan

156. Who are sitting diagonally opposite to each other? **(1 Mark)**
     1) Quali, Ellen   2) Okrosh, Ellen   3) Hari, Quali
     4) Okrosh, Nani   5) Nani, Ellen

157. Who is sitting immediate left of Danush? **(1 Mark)**
     1) Ganga   2) Ellen   3) Hari   4) Farhan   5) Vacant

Directions: (158) Study the following information carefully and answer the questions given below.

158. How many people are between P and M? **(1.5 Marks)**

Statement I: M is sitting at 2nd position from the left end of row. T is sitting at 5th position from the right end of row. P is sitting 3rd to left of T. If M and T interchange their positions, M will be at 9th position from the left end of row.

Statement II: M has got 4th rank in the class. K is 6th from the bottom. P is 3 positions above K.

1) If the data in statement I alone is sufficient to answer the question.
2) If the data in statement II alone is sufficient to answer the question.
3) If the data either in statement I alone or statement II alone are sufficient to answer the question.
4) If the data given in both I and II together are not sufficient to answer the question.
5) If the data in both the statements I and II together are necessary to answer the question.

Directions: (159-163) Study the following information carefully and answer the questions given below.
1) If only conclusion I is follows
2) If only conclusion II is follows
3) If either conclusion I or II is follows
4) Neither conclusion I nor II is follows
5) Both conclusion I and II is follows.

159. **Statements:**   All banks are Posts   Some posts are letters
                        No letter is bold   All bolds are bikes **(1.5 Marks)**
     Conclusions: I. Each post is bold is a possibility
                        II. 0% bank is bold is a possibility.

160. **Statements:**   Some papers are white   Some white are smooth
                        No white is black   All black are violets **(1.5 Marks)**
     Conclusions: I. Papers can never Black
                        II. Most black are papers

161. **Statements:**   No cold is hot   Some hot are sweet
                        Some sweet are super   All super are marvelous **(1 Mark)**
     Conclusions: I. frequently Hot are Marvelous
                        II. 1-99% hot are not marvelous

162. **Statements:**   Some pillows are white   All white are blue
                        No blue is sky   Some sky is water. **(1.5 Marks)**
     Conclusions: I. None but pillow are water
                        II. Generally pillow are not water

163. **Statements:**   No beauty is white   All handsome are not white
                        Some white is milk   All milk is pure **(1 Mark)**
     Conclusions: I. At-least handsome are beauty is a possibility
                        II. Almost milk is pure is a possibility.

Directions: (164) Study the following information carefully and answer the questions given below.

Governments have only one response to public criticism of socially necessary services: regulation of the activity of providing those services. But governments inevitably make the activity more expensive by regulating it, and that is particularly troublesome in these times of strained financial resources. However, since public criticism of child-care services has undermined all confidence in such services, and since such services are socially necessary, the government is certain to respond.

164. Which one of the following statements can be inferred from the passage? **(1 Mark)**
1) The quality of child care will improve.
2) The cost of providing child-care services will increase.
3) The government will use funding to foster advances in child care.
4) If public criticism of policy is strongly voiced, the government is certain to respond.
5) If child-care services are not regulated, the cost of providing child care will not increase.

Directions: (165) Study the following information carefully and answer the questions given below.

165. In a certain code language, how is 'increase' can be written?**(1 Mark)**
Statement I: 'turning point in life' is written as 'su pi ka de'. 'point of connection' is written as 'du pha de'. 'Increase in population' is written as 'sikasha'.
Statement II: 'connection between poles' is written as 'tupha di'. 'Population of town' is written as 'la du si'.
1) If the data in statement I alone is sufficient to answer the question.
2) If the data in statement II alone is sufficient to answer the question.
3) If the data either in statement I alone or statement II alone are sufficient to answer the question.
4) If the data given in both I and II together are not sufficient to answer the question.
5) If the data in both the statements I and II together are necessary to answer the question.

Directions: (166-170) Study the following information carefully and answer the questions given below.

14 persons AKIRA, AKHIL, AKSHAYA, AKSHARA, ANU, ANKIT, ANJALI, ANKITA, ANJU, ASWINI, ARADYA, AVANTIKA, AMULYA and AMALA stay in an eight stored building. Each floor has 2 flats numbered as 1 and 2, first floor of flat-1 is immediately below the second floor of flat-1 and so on....... 8th floor of flat is immediate above the seventh floor of flat-1 like flat-2 of the first floor is immediately below the second floor of flat-2 and second floor of flat-2 is immediately below the third floor of flat-2 and so on......... flat-2 of the eight floor is Immediately above the seventh floor of flat-2. There are 2 vacant flats in the building.

ANKITA and ANJALI live on the same floor. Only one person stays above AKIRA. Only 3 persons stay above ANKITA, whose flat is between the vacant flats, which are in same flat but not immediate. ANKIT and ANJU living in same floor that is just below a floor which has a vacant flat. ANU and AVANTIKA living in the same floors. There is a gap of 3 floors between ARADYA and ANU but not same flats. None of them is living above AKSHARA's floor. Sum of AKHIL and ANJUs floor number is equal to AMULYA's floor number and one of them live on second floor of flat two. ARADYA does not live below AKHIL. AKSHAYA and AKIRA do not live on the same flat with ANU's, whose floor is below ANJU'S floor but not immediately below of vacant floor and Anju's flat is not placed immediately below the vacant flat. Only 4 persons stay below ASWINI. AKSHARA, AMULYA and ASWINI are living in same flat. AMALA is living in the same flat as AKHIL living.

166. Who is living immediately above AMALA floor? **(1.5 Marks)**
    1) Akhil   2) Anjali   3) Aswini   4) Aradya   5) both Akhil and Aradya
167. What is the floor number of vacant no. floors? **(1.5 Marks)**
    1) 8th floor in flat no-1   2) 3rd floor in flat no.-1
    3) 8th floor in flat no-2   4)both 1 and 2   5) both A and B
168. Who is lived in the floor no. 7 in flat no.-2? **(1.5 Marks)**
    1) Anjali   2) Amulya   3) Akshara   4) Amala   5)Akhil
169. Who are lived in same no. floors? **(1.5 Marks)**
    1) Akira and akhil   2) aradya and anjali
    3) Akshaya and aswini   4) ankita and anjali   5) Ankita and Akhil
170. Anjali living which flat and which floor? **(1.5 Marks)**
    1) 7th floor-1st flat   2) 6th floor-2nd flat   3) 5th floor-2nd flat
    4) 4th floor-1st flat   5) 5th floor – 2nd flat

Directions: (171) Study the following information carefully and answer the questions given below.

The extent to which a society is really free can be gauged by its attitude toward artistic expression. Freedom of expression can easily be violated in even the most outwardly democratic of societies. When a government arts council withholds funding from a dance performance that its members deem "obscene," the voices of a few bureaucrats have in fact censored the work of the choreographer, thereby committing the real obscenity of repression.

171. Which of the following, if true, would most seriously weaken the argument above? **(1 Mark)**
    1) Members of government arts councils are screened to ensure that their beliefs reflect those of the majority
    2) The term obscenity has several different definitions that should not be used interchangeably for rhetorical effect
    3) Failing to provide financial support for a performance is not the same as actively preventing or inhibiting it
    4) The council's decision could be reversed if the performance were altered to conform to public standards of appropriateness.
    5) The definition of obscenity is something on which most members of society can agree.

Directions: (172-174) study the following information carefully and answer the questions given below.

351   NKE   682   MRS   947   BXW   543   ZVQ   726   ICA

172. If all the numbers are arranged in descending order within the number from right to left then find out which will come 2nd from the left-end? **(1.5 Marks)**
    1) 682   2) 947   3) 726   4) 543   5) 531

173. If all the words of the letters are arranged in alphabetical order with-in the words from left to right then find out which will come from 3rd from the right-end? **(1.5 Marks)**
    1) BWX   2) ICA   3) NKE   4) MRS   5) ZVQ

174. If all the numbers and words are arranged in ascending and alphabetical order with-in numbers and letters, then which will come 3rd to the right of the 2nd from the left-end? **(1.5 Marks)**
    1) ICA   2) BXW   3) NKE   4) 947   5) 682

Directions: (175) study the following information carefully and answer the questions given below.
Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read all the three statements and give answer:

175. Among A, B, C, D and E, who is third from the top when arranged in descending order of their weights? **(1 Mark)**
    I. C is heavier than A and E and is less heavier than B who is not the heaviest
    II. E is heavier than only A
    1) If the data in statement I alone is sufficient to answer the question.
    2) If the data in statement II alone is sufficient to answer the question.
    3) If the data either in statement I alone or statement II alone are sufficient to answer the question.
    4) If the data given in both I and II together are not sufficient to answer the question.
    5) If the data in both the statements I and II together are necessary to answer the question

176. Ruchi is sitting 12th to the right of Prachil who is sitting at 6th position from the left end of row. Richa is sitting 4th to the left of Ruchi and also 8th to the left of Bhavna. If Bhavna is sitting at an extreme end, what is the total number of girls sitting in the row? **(1.5 Marks)**
    1) 22   2) 20   3) 23   4) 18   5) 16

177. How many pairs of letters are there in the word RETIREMENT, each of which have as many letters between then in the word as they have between then in the English alphabet (in reverse directions)? **(1 Mark)**
    1) None   2) One   3) two   4) Three   5) More than three

178. In 1 is added to all odd digits and 2 is subtracted from all even digits in the number '4365182', then what is the sum of digits (consider only once) which repeat in the number thus formed? **(1 Mark)**
    1) 6   2) 8   3) 10   4) 12   5) 11

179. If in number '45136925', 1 is added to and 2 is subtracted from alternate digits in the number respectively, then the new number thus formed will contain how many even digits? **(1 Mark)**
    1) None   2) One   3) Two   4) Three   5) More than three

Directions: (180) Study the following information carefully and answer the questions given below.

Chaos Inc., a company in the fast moving consumer goods sector had sales output rising by nearly 12% per year. A new partner, Kim, joined the company and introduced many innovations such as Kaizen groups to solve manufacturing problems, and e-business applications involving vendors and distributors. But after Kim's advent, sales output increased by only 6% per year. It appears that the innovations implemented by Kim caused the reduction in the annual sales growth rate.

180. Which of the following if true would weaken the above conclusion? **(1 Mark)**
    1) Kim's innovations were focused on long-term improvement and ignored short-term profitability and growth.
    2) Chaos Inc. does not price its products based upon the actual cost of production.
    3) General demand for the company's product has declined over time.

4) Managers of the company were busy in creating innovations, rather than focusing on sales promotions.

5) None of these

Directions: (181) Study the following information carefully and answer the questions given below.

In each of thefollowing questions, a question is followed by two statements numbered I and II. Read both the statements and answer accordingly.

181. Who is sittingsecond to the right of P in a row of 9 people facing North? **(1.5 Marks)**

Statement I: V is sitting 4th to the left of P. T is sitting third to the right of M. There are 3 people between M and G. T is sitting 4th to the left of S.

Statement II: K is sitting 2nd to the right of T. M is somewhere to the left of P. There are 2 people between A and K.

1) If the data in statement I alone is sufficient to answer the question.

2) If the data in statement II alone is sufficient to answer the question.

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

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

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

Directions: (182-183) Study the following information carefully and answer the questions given below.

6 persons – A, B, C, D, E and F have different ages. C is older than D but not the oldest. A is older than E but younger than C. Also, B is older than E but younger than F. B's age is 2nd lowest among all persons. A is older than D. C's age is 29 years.

182. What could be the possible age of F? **(1.5 Marks)**

1) 20 years   2) 26 years   3) 28 years   4) 31 years   5) 23 years

183. If third younger is aged 23 years, then what is the age difference between C and D? **(1 Marks)**

1) 5 years   2) 6 years   3) 4 years   4) 8 years   5) 7 years

Directions: (184-186) Study the following information carefully and answer the questions given below.In each question, statements are given, which are followed by three conclusions I, II & III.You have to find out which conclusion(s) is/are definitely true.

184. **Statements:** $A \geq B > C = D$; $A = H \leq R > S$; $B < E \leq F > G$ **(1 Mark)**

Conclusions: I. $C < F$ II. $B \geq R$ III. $D > S$

1) Only I follows.   2) Only II follows.   3) All follow.

4) Only I and II follow.   5) Only I and III follow.

185. **Statements:** $M < H < J = R \geq Q$; $J < L \leq T > V$; $V < S = W > R \geq X$ **(1 Mark)**

Conclusions: I. $T > Q$ II. $M < L$ III. $S > Q$

1) Only I follows.   2) Only II follows.   3) All follow.

4) Only I and II follow.   5) Only I and III follow.

186. **Statements:** $W = X \leq U > Z$; $T \geq K = U < M \leq R < Y$ **(1 Mark)**

Conclusions: I. $W < Y$ II. $Z < T$ III. $X \leq R$

1) Only I follows.   2) Only II follows.   3) All follow.

4) Only I and II follow.   5) Only I and III follow.

Directions: (187) Study the following information carefully and answer the questions given below.

It is unfortunate for a country, specially for the poor and women, that whenever any kind of disincentive – even of the mildest nature such as debarring a person with more than two children from contesting any local body election – is introduced to promote family planning, there are always some activists and organizations who unnecessarily oppose the measures without realizing that the voluntary family planning programmes area miserable flop as clearly highlighted by the national family health surveys.

187. Which of the following if true would strengthen the author's contention? **(1 Mark)**

1) Percentage of rural women voluntarily seeking family planning services in government health centre facilities has drastically come down over the last decade.

2) One child policy on China, where employees with more than one child are discriminated against, has been very effective in controlling their population.

3) Activists and organization which seem to advocate civil rights issues typically have their own vested interests and hidden agendas.

4) Punitive measures are the best deterrents for refraining people from committing deeds which adversely affect the society at large.

5) None of these

Directions: (188-189) Study the following information carefully and answer the questions given below.

A and X are friends, they are planning to meet at park in their town along with their friends. M is going 6km towards East direction to meet F from A's house. On the other side X is moving 5km towards west direction to meet D from V's home. M is going 4km towards north direction to meet L from F's home. X is going 2km towards north direction to meet G from D's home. M is going 3km towards east direction to meet C from L's home. X is going 2km towards east direction to meet S from G's home. M is going 3km towards north direction to reach park. X is going 4km towards north direction to meet P from S's home and finally he is going 4km towards west direction to reach park from P's home.

188. L is in which direction with respect to V and what is the distance between P and C? **(1 Mark)**

1) North-east, 7km   2) south-east, 5km   3) North-west, 5km
4) south-west, 7km   5) north-west, 7km

189. A is in which direction with respect to V and what is the distance between them? **(1 Mark)**

1) West, 15 km   2) West, 17km   3) West, 16km
4) east, 17km   5) east, 15km

Directions: (190) Below in each question are given two statements I and II. These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choices correctly depicts the relationship between these two statements. **(1 Mark)**

190. **Statements:** I. The shop owner put cameras for surveillance of the store

II. Many items were reported missing by the staff working in the departmental store

1) If statement I is the cause and statement II is its effect.

2) If statement II is the cause and statement I is its effect.

3) If both the statements I and II are independent causes.

4) If both the statements I and II are effects of independent causes.

5) If both the statements I and II are effects of some common causes.

KEY

1.4	2.5	3.1	4.1	5.2	6.1	7.5	8.5	9.4	10.4	11.3	12.1	13.4
14.2	15.3	16.4	17.5	18.2	19.3	20.3	21.5	22.1	23.2	24.3	25.4	26.2
27.4	28.1	29.5	30.4	31.3	32.2	33.5	34.5	35.1	36.2	37.5	38.4	39.1
40.2	41.3	42.4	43.1	44.5	45.2	46.3	47.4	48.3	49.4	50.5	51.4	52.4
53.5	54.3	55.2	56.5	57.5	58.5	59.2	60.5	61.1	62.2	63.4	64.3	65.3
66.5	67.1	68.3	69.4	70.3	71.4	72.3	73.5	74.4	75.3	76.2	77.5	78.3
79.2	80.3	81.1	82.3	83.3	84.2	85.1	86.4	87.2	88.3	89.4	90.1	91.2
92.1	93.3	94.3	95.3	96.2	97.2	98.1	99.1	100.2	101.1	102.2	103.2	104.5
105.3	106.1	107.5	108.4	109.2	110.3	111.1	112.4	113.3	114.5	115.5	116.3	117.1
118.3	119.4	120.1	121.3	122.3	123.2	124.4	125.2	126.1	127.4	128.2	129.4	130.5
131.1	132.5	133.5	134.1	135.1	136.2	137.2	138.5	139.3	140.2	141.5	142.3	143.4
144.3	145.5	146.3	147.4	148.5	149.1	150.2	151.5	152.5	153.3	154.4	155.3	156.1
157.5	158.1	159.5	160.3	161.3	162.4	163.1	164.4	165.5	166.5	167.4	168.2	169.4
170.2	171.3	172.4	173.3	174.4	175.1	176.1	177.5	178.4	179.2	180.1	181.5	182.4
183.2	184.1	185.3	186.4	187.2	188.3	189.3	190.2					