Smart, Structured & Syllabus-Aligned Content

RICE EDUCATION



PYQs

BANKING EXAMS

IBPS Clerk Mains Memory Based Paper 2024

PREVIOUS YEAR QUESTIONS

General / Financial Awareness (Q1 - Q50)

Q1. The Reserve Bank of India (RBI) has approved Tata Capital Limited's (TCL) conversion from a non-banking finance company (NBFC)-core investment company (CIC) to which of the following types of companies? (August 2024)

(a) NBFC-microfinance company (MFC)
(b) NBFC-asset finance company (AFC)
(c) NBFC-investment credit company (ICC)
(d) NBFC-leasing finance company (LFC)
(e) NBFC-factoring company (FC)

Answer: (c)

Explanation: The RBI approved Tata Capital Limited's conversion into an NBFC-investment credit company (ICC) following its merger with group entities.

Q2. Which of the following public sector insurance companies continue to be identified as Domestic Systemically Important Insurers (D-SIIs) by IRDAI?
1. Life Insurance Corporation of India (LIC)
2. General Insurance Corporation of India (GIC Re)
3. United India Insurance Company
4. New India Assurance Company

(a) 1, 2, and 3 only
(b) 2, 3, and 4 only
(c) 1, 2, and 4 only
(d) 1 and 2 only
(e) 1, 3, and 4 only

Answer: (c)

Explanation: LIC, GIC Re, and New India Assurance Company continue to be identified as D-SIIs by IRDAI.

Q3. The National Payments Corporation of India (NPCI) has incorporated NBSL as its wholly owned subsidiary. In this context, what does the letter 'B' stand for in NBSL? (August 2024)

(a) Bharat
(b) Banking
(c) Business
(d) Blockchain
(e) BHIM

Answer: (e)

Explanation: NBSL stands for NPCI BHIM Services Ltd, where 'B' stands for BHIM.

Q4. Which organization has approved a $1.5-billion loan to help India accelerate its low-carbon energy development, focusing on green hydrogen, electrolysers, and renewable energy penetration? (June 2024)

(a) World Bank
(b) International Monetary Fund
(c) Asian Development Bank
(d) United Nations Development Programme
(e) European Investment Bank

Answer: (a)

Explanation: The World Bank approved the $1.5-billion second programmatic loan for low-carbon energy development.

Q5. The Reserve Bank of India (RBI) has increased the threshold for bulk fixed deposits for Scheduled Commercial Banks and Small Finance Banks to ₹3 crore. What was the previous threshold for bulk deposits before this revision?

(a) ₹1 crore
(b) ₹1.5 crore
(c) ₹2 crore
(d) ₹2.25 crore
(e) ₹2.5 crore

Answer: (c)

Explanation: The previous threshold for bulk deposits was ₹2 crore.

Q6. The Government of India signed a $200 million (about Rs 1,700 crore) loan with _____ to improve solid waste management and sanitation in 100 cities across eight states in the country. (July 2024)

(a) World Bank
(b) Asian Infrastructure Investment Bank (AIIB)
(c) International Monetary Fund (IMF)
(d) Asian Development Bank (ADB)
(e) European Investment Bank (EIB)

Answer: (d)

Explanation: The loan was signed with the Asian Development Bank (ADB).

Q7. The headquarters of the Financial Action Task Force (FATF) is located in which of the following cities?

(a) Washington D.C., USA
(b) Geneva, Switzerland
(c) Paris, France
(d) London, United Kingdom
(e) Brussels, Belgium

Answer: (c)

Explanation: FATF is headquartered in Paris, France.

Q8. What was the theme for India's first National Space Day, celebrated on August 23, 2024, to mark the successful landing of the Vikram Lander from Chandrayaan-3?

(a) Exploring the Lunar Surface: A Journey to the Moon and Beyond

(b) India's Moon Mission: Celebrating New Frontiers in Space Exploration

(c) Touching Lives while Touching the Moon: India's Space Saga

(d) Space for National Progress: Advancing Technology and Innovation

(e) India's Leap in Space Exploration: From Earth to the Moon

Answer: (c)

Explanation: The theme was 'Touching Lives while Touching the Moon: India's Space Saga.'

Q9. As per the recent announcement by the Reserve Bank of India (RBI), what is the updated per transaction limit for UPI Lite? (October 2024)

(a) ₹500

(b) ₹1,000

(c) ₹2,000

(d) ₹5,000

(e) ₹10,000

Answer: (b)

Explanation: The per-transaction limit was enhanced from ₹500 to ₹1,000.

Q10. According to the latest Global Competitiveness Ranking by IMD, which of the following countries is not ranked in the top 5 most competitive economies in the world in 2024?

(a) Singapore

(b) Switzerland

(c) Denmark

(d) Ireland

(e) China

Answer: (e)

Explanation: The top 5 are Singapore, Switzerland, Denmark, Ireland, and Hong Kong SAR. China is not in the top 5.

Q11. Tata Power Solar Systems Ltd (TPSSL) has signed an agreement with which bank to provide financing for solar units to residential and corporate customers? (August 2024)

(a) HDFC Bank

(b) Axis Bank

(c) ICICI Bank

(d) State Bank of India

(e) Kotak Mahindra Bank

Answer: (c)

Explanation: TPSSL partnered with ICICI Bank.

Q12. The Ayushman Bharat Health Account (ABHA) is an integral part of the Ayushman Bharat Digital Mission (ABDM). How many digits are present in the unique ABHA number assigned to individuals?

(a) 10
(b) 12
(c) 14
(d) 16
(e) 18

Answer: (c)

Explanation: The ABHA number contains 14 digits.

Q13. Maramadi, also known as Kalappoottu or Pothottam, is a traditional bull race conducted in which Indian state after the harvest season?

(a) Tamil Nadu
(b) Karnataka
(c) Kerala
(d) Andhra Pradesh
(e) Maharashtra

Answer: (c)

Explanation: Maramadi is conducted in Kerala.

Q14. The Animal Welfare Board of India (AWBI) is headquartered in which state?

(a) Uttar Pradesh
(b) Maharashtra
(c) Tamil Nadu
(d) Haryana
(e) Karnataka

Answer: (d)

Explanation: AWBI is headquartered in Ballabhgarh, Haryana.

Q15. The 'Karthumbi' umbrella, highlighted by Prime Minister Narendra Modi in 'Mann Ki Baat', is made by tribal women from which Indian state?

(a) Tamil Nadu
(b) Karnataka
(c) Kerala
(d) Andhra Pradesh
(e) Odisha

Answer: (c)

Explanation: Karthumbi umbrellas are crafted by tribal women from Attappadi, Kerala.

Q16. Which Public Sector Undertaking (PSU) has signed a Memorandum of Understanding (MoU) with US-based Petron Scientech to explore a joint venture for setting up a bio-ethylene plant in India? (August 2024)

(a) ONGC
(b) Indian Oil Corporation
(c) GAIL
(d) NTPC
(e) Bharat Petroleum Corporation Limited

Answer: (c)

Explanation: GAIL (India) Limited signed the MoU with Petron Scientech.

Q17. Which of the following Indian sportspersons is correctly matched with their respective sport for the Paris Olympic Games?

(a) Praveen Chitravel - Weightlifting
(b) Manika Batra - Archery
(c) Bhavani Devi - Badminton
(d) Jeswin Aldrin - Boxing
(e) Aman Sehrawat - Wrestling

Answer: (e)

Explanation: Aman Sehrawat is associated with Wrestling.

Q18. What is the name of the dedicated mobile app offered by the Central Pension Accounting Office (CPAO) to simplify access to services for pensioners?

(a) Pension Sathi
(b) CPAO Connect
(c) Dirghayu
(d) Vriddh Ashray
(e) Pension Samriddhi

Answer: (c)

Explanation: The dedicated app is 'Dirghayu.'

Q19. The BioE3 Policy, approved by the Union Cabinet, focuses on fostering high-performance biomanufacturing. Which of the following does not align with the core themes of the BioE3 Policy?

(a) Economy
(b) Environment
(c) Employment
(d) Energy
(e) None of the above

Answer: (d)

Explanation: BioE3 stands for Biotechnology for Economy, Environment, and Employment.

Q20. Under which of the following Acts does the Reserve Bank of India (RBI) derive its authority to regulate the financial market in India?

(a) Reserve Bank of India Act, 1934
(b) Banking Regulation Act, 1949
(c) Payment and Settlement Systems Act, 2007
(d) Securities Contract (Regulation) Act, 1956
(e) Companies Act, 2013

Answer: (a)

Explanation: The RBI derives overarching financial market regulation authority from the RBI Act, 1934.

Q21. Prime Minister Narendra Modi presented four BHISHM Cubes to Ukraine. What is the capacity of each BHISHM Cube in terms of handling cases in emergency situations?

(a) Around 50 cases
(b) Around 100 cases
(c) Around 200 cases
(d) Around 300 cases
(e) Around 400 cases

Answer: (c)

Explanation: Each BHISHM Cube is equipped to treat around 200 emergency cases.

Q22. What is the maximum income limit within a financial year for salaried resident individuals to be eligible to file the ITR 1 form for income tax returns in India?

(a) Rs 25 lakh
(b) Rs 50 lakh
(c) Rs 75 lakh
(d) Rs 1 crore
(e) Rs 1.5 crore

Answer: (b)

Explanation: ITR 1 is applicable for income up to Rs 50 lakh.

Q23. According to revised guidelines by the RBI, deposit-taking housing finance companies (HFCs) are required to maintain liquid assets to the extent of what percentage of public deposits on an ongoing basis by January 1, 2025?

(a) 10%
(b) 12%
(c) 13%
(d) 14%
(e) 15%

Answer: (d)

Explanation: The requirement was revised to 14% by January 1, 2025 (and 15% by July 2025).

Q24. Among the Indian states, which one has the highest total area covered by wetlands?

(a) West Bengal

(b) Gujarat

(c) Assam

(d) Uttar Pradesh

(e) Madhya Pradesh

Answer: (b)

Explanation: Gujarat has the largest wetland area in India due to its extensive coastline and Rann of Kutch.

Q25. Which of the following countries is not among the top 5 zinc-producing countries in the world as of 2023?

(a) China

(b) Peru

(c) Australia

(d) India

(e) Russia

Answer: (e)

Explanation: The top 5 zinc producers are China, Peru, Australia, India, and the United States.

Q26. What is the new upper transaction limit for tax payments using the Unified Payments Interface (UPI)?

(a) ₹1 lakh

(b) ₹2 lakh

(c) ₹3 lakh

(d) ₹4 lakh

(e) ₹5 lakh

Answer: (e)

Explanation: The limit for tax payments through UPI was enhanced to ₹5 lakh.

Q27. Where was the second-largest diamond ever discovered, a rough 2,492-carat stone, recently unearthed?

(a) South Africa

(b) Namibia

(c) Botswana

(d) Angola

(e) Sierra Leone

Answer: (c)

Explanation: The 2,492-carat diamond was unearthed at the Karowe mine in Botswana.

Q28. According to a study by the Reserve Bank of India (RBI), what is the expected percentage increase in total private sector investment in the current financial year compared to the previous financial year? (August 2024)

(a) 34%
(b) 45%
(c) 54%
(d) 65%
(e) 70%

Answer: (c)

Explanation: The RBI study indicated a 54% expected increase in private capex.

Q29. How many core promoter banks initially formed the consortium to establish the National Payments Corporation of India (NPCI)?

(a) 8
(b) 10
(c) 12
(d) 15
(e) 20

Answer: (b)

Explanation: NPCI was founded by 10 core promoter banks.

Q30. What is the maximum annual turnover limit for Micro Enterprises as per the classification guidelines?

(a) Rs. 1 crore
(b) Rs. 2 crore
(c) Rs. 3 crore
(d) Rs. 5 crore
(e) Rs. 10 crore

Answer: (d)

Explanation: Turnover limit for Micro Enterprises is Rs. 5 crore (with investment up to Rs. 1 crore).

Q31. The National Strategy for Financial Education (NSFE 2020-2025) has been prepared by NCFE in consultation with which of the following regulators?

(a) Reserve Bank of India (RBI)
(b) Securities and Exchange Board of India (SEBI)
(c) Insurance Regulatory and Development Authority of India (IRDAI)
(d) Pension Fund Regulatory and Development Authority (PFRDA)
(e) All of the above

Answer: (e)

Explanation: NSFE was prepared in consultation with RBI, SEBI, IRDAI, and PFRDA.

Q32. In the 4th edition of Ranking of States on Support to Startup Ecosystems, which state was recognized as the 'Best Performer' in Category B (population < 1 crore)?

(a) Arunachal Pradesh
(b) Himachal Pradesh
(c) Meghalaya
(d) Nagaland
(e) Goa

Answer: (b)

Explanation: Himachal Pradesh was recognized as the Best Performer in Category B.

Q33. Under the revamped Model Skill Loan Scheme, what percentage of the loan amount is backed by a credit guarantee against default?

(a) 50%
(b) 60%
(c) 75%
(d) 85%
(e) 90%

Answer: (c)

Explanation: The revamped scheme provides a default guarantee up to 75% for loans up to Rs 7.5 lakh.

Q34. Which institute's scientists developed a new computational model for detecting cervical dysplasia with an average accuracy of 98.02%? (July 2024)

(a) Indian Institute of Science (IISc)
(b) Tata Institute of Fundamental Research (TIFR)
(c) Institute of Advanced Study in Science and Technology (IASST)
(d) Indian Council of Medical Research (ICMR)
(e) National Institute of Biomedical Imaging and Bioengineering

Answer: (c)

Explanation: Developed by scientists at the Institute of Advanced Study in Science and Technology (IASST), Guwahati.

Q35. What is the allocation for the Nirbhaya Fund in the financial year 2024-25 as announced in the Union Budget?

(a) Rs 100 crore
(b) Rs 150 crore
(c) Rs 200 crore
(d) Rs 250 crore
(e) Rs 300 crore

Answer: (c)

Explanation: The Nirbhaya Fund allocation was increased to Rs 200 crore.

Q36. In the Senior Citizen Savings Scheme (SCSS), what is the age limit for the second applicant in a joint account?

(a) Above 50 years
(b) Above 55 years
(c) Above 60 years
(d) No age limit
(e) Above 65 years

Answer: (d)

Explanation: There is no age limit for the second applicant (spouse) in a joint SCSS account.

Q37. What is the revised NPS contribution limit for employers in the private sector as a percentage of an employee's basic salary?

(a) 8%
(b) 10%
(c) 12%
(d) 14%
(e) 15%

Answer: (d)

Explanation: The deduction limit under Section 80CCD(2) for employers was raised to 14%.

Q38. Which organization is responsible for issuing the Certificate of Coverage (COC) to migrant Indian workers for social security schemes in SSA countries?

(a) Ministry of Labour and Employment
(b) Employees' Provident Fund Organisation (EPFO)
(c) National Skill Development Corporation (NSDC)
(d) Ministry of External Affairs
(e) Labour Welfare Board

Answer: (b)

Explanation: EPFO is the liaison authority responsible for issuing COCs.

Q39. Under how many categories were the National Awards for e-Governance (NAeG) 2024 conferred?

(a) Three
(b) Four
(c) Five
(d) Six
(e) Seven

Answer: (c)

Explanation: Conferred across five distinct categories.

Q40. In August 2024, India named three underwater structures in the Indian Ocean: Ashoka seamount, Chandragupt ridge, and _____.

(a) Sagar Kanya seamount
(b) Raman ridge
(c) Panikkar ridge
(d) Kalpataru ridge
(e) Maurya ridge

Answer: (d)

Explanation: The third structure is the Kalpataru ridge.

Q41. What are the sources of revenue for the Consolidated Fund of India?
1. Direct taxes
2. Indirect taxes
3. Dividends and profits from PSUs
4. Earnings from government services
5. Receipts from disinvestment, debt repayments, and loan recoveries

(a) 1, 2, and 3 only
(b) 2, 3, and 4 only
(c) 1, 3, 4, and 5 only
(d) 1, 2, 3 and 4 only
(e) All of the above

Answer: (e)

Explanation: All items 1 to 5 flow into the Consolidated Fund of India under Article 266(1).

Q42. Who won the Golden Lotus (Swarna Kamal) award for Best Direction for a Hindi film at the 70th National Film Awards for 2022?

(a) Vivek Agnihotri
(b) Sooraj R. Barjatya
(c) R. Madhavan
(d) Sanjay Leela Bhansali
(e) Prashanth Neel

Answer: (b)

Explanation: Sooraj R. Barjatya won for the film 'Uunchai.'

Q43. At what interest rate must BSE pay SEBI on differential regulatory fees for past dues?

(a) 10% per annum
(b) 12% per annum
(c) 15% per annum
(d) 18% per annum
(e) 20% per annum

Answer: (c)

Explanation: SEBI mandated an interest rate of 15% per annum on delayed differential dues.

Q44. How many foreign banks operating under the wholly owned subsidiary (WOS) model have been appointed as agency banks by the RBI as of 2023?

(a) None
(b) One
(c) Two
(d) Three
(e) Five

Answer: (b)

Explanation: Only one foreign bank—DBS Bank India Limited—operates as an agency bank under WOS.

Q45. Which of the following is not a term related to mutual funds?

(a) Net Asset Value (NAV)
(b) Systematic Investment Plan (SIP)
(c) Expense Ratio
(d) Moratorium Period
(e) Asset Under Management (AUM)

Answer: (d)

Explanation: Moratorium Period relates to loan repayment deferral, not mutual funds.

Q46. Under the Differential Rate of Interest (DRI) Scheme, banks provide finance up to what amount at a concessional interest rate of 4% per annum?

(a) ₹10,000
(b) ₹12,000
(c) ₹15,000
(d) ₹18,000
(e) ₹20,000

Answer: (c)

Explanation: The DRI scheme provides advances up to ₹15,000 at 4% interest.

Q47. Under the Self Employment Scheme for Rehabilitation of Manual Scavengers (SRMS), what is the maximum amount of capital subsidy per beneficiary?

(a) Rs. 3 lakh
(b) Rs. 3.25 lakh
(c) Rs. 4 lakh
(d) Rs. 5 lakh
(e) Rs. 5.5 lakh

Answer: (d)

Explanation: The maximum upfront capital subsidy is Rs. 5 lakh.

Q48. Agri-Clinics under the ACABC Scheme provide support in which of the following areas?

(a) Soil health and plant protection

(b) Crop insurance and post-harvest technology

(c) Clinical services for animals and feed management

(d) Prices of various crops in the market

(e) All of the above

Answer: (e)

Explanation: Agri-Clinics provide comprehensive support across all the listed agronomic domains.

Q49. Shikhar Dhawan announced his retirement in August 2024. What record did he achieve on his Test debut?

(a) Highest score in a debut Test inning

(b) Most sixes in a debut match

(c) Fastest Test century on debut

(d) Most fours in a debut match

(e) Highest strike rate on debut

Answer: (c)

Explanation: Fastest Test century on debut off 85 balls against Australia in 2013.

Q50. In May 2024, India agreed with which country to work towards concluding the Local Currency Settlement System Agreement for domestic currency trade?

(a) South Africa

(b) Nigeria

(c) Brazil

(d) Russia

(e) Kenya

Answer: (b)

Explanation: Agreed with Nigeria during the Joint Trade Committee meeting.

English Language (Q51 - Q90)

Directions (51-56): Read the passage on Nuclear Energy & Climate Change and answer the given questions.

Nuclear power and hydropower supply three-quarters of global low-carbon energy. Nuclear power alone prevented over 60 gigatonnes of CO2 emissions in 50 years. However, nuclear is facing a decline in advanced economies where plants are closing and investments are scarce. Projections suggest a drop of up to two-thirds by 2040. Achieving rapid emission cuts under the Paris Agreement without nuclear would require massive investments in renewables and efficiency.

Q51. Which of the following statements can be inferred from the passage?
(I) Nuclear power has played a major role in reducing global CO2 emissions over past decades.
(II) The decline of nuclear power in advanced economies is primarily due to safety concerns.

(III) The cost of transitioning to a fully renewable energy system without nuclear power could rise significantly.

(a) Only (I)

(b) Only (II)

(c) Both (I) and (III)

(d) Only (III)

(e) All (I), (II), and (III)

Answer: (c)

Explanation: Statements (I) and (III) are directly mentioned; (II) is not stated.

Q52. According to the passage, why is the decline of nuclear power a cause for concern?

(a) It poses a threat to the stability and security of global energy supplies.

(b) It could result in a rise in CO2 emissions, putting international climate goals at risk.

(c) Nuclear power is the only reliable source of low-carbon energy.

(d) Maintenance expenses are excessively high.

(e) Advanced technologies are not practical.

Answer: (b)

Explanation: It hinders carbon emission reduction targets and imperils international climate goals.

Q53. Which of the following actions is NOT suggested by the report?

(a) Promoting safe operation of existing nuclear power plants.

(b) Allocating resources towards developing advanced nuclear technologies.

(c) Giving priority to renewable energy sources over nuclear power in energy strategies.

(d) Supporting construction of new nuclear power facilities.

(e) Making sure nuclear continues to play a role in low-carbon energy strategy.

Answer: (c)

Explanation: The report advocates complementing renewables with nuclear, not deprioritizing nuclear.

Q54. Which of the following can be inferred as a consequence of removing nuclear power from the global energy mix?

(a) Solar and wind power would completely replace nuclear power.

(b) Advanced economies would cease investments in renewables.

(c) The world would require much larger investments in renewable energy sources and improvements in energy efficiency.

(d) CO2 emissions would significantly rise leaving no alternatives.

(e) Achieving Paris Agreement objectives would become easier.

Answer: (c)

Explanation: Removing nuclear requires massive replacement investments in renewables and energy efficiency.

Q55. Which is an incorrect interpretation of 'which calls for rapid cuts in emissions'?

(a) The Sustainable Development Scenario demands immediate and significant cuts.

(b) Meeting Paris Agreement goals requires accelerated efforts.

(c) The scenario emphasizes swift actions for CO2 reduction.

(d) The passage implies nuclear power helps meet rapid reduction goals.

(e) The phrase indicates that slow progress in emission reductions is acceptable.

Answer: (e)

Explanation: The phrase emphasizes urgency; slow progress is explicitly unacceptable.

Q56. What is one of the major consequences of the decline in nuclear power?

(a) Growing global dependence on nuclear energy.

(b) Strengthened electricity security across various regions.

(c) Increased cost efficiency within the energy sector.

(d) Significant impacts on both electricity security and the overall cost of energy.

(e) Higher dependence on fossil fuels in advanced economies.

Answer: (d)

Explanation: The passage states that the decline threatens electricity security and raises energy costs.

Directions (57-60): Rearrange the sentence parts into a coherent, grammatically correct sentence.

Q57. Rearrange: (A) of climate change and preserving / (B) is essential for mitigating the adverse effects / (C) and responsible resource management, / (D) including renewable energy usage, waste reduction, / (E) biodiversity for future generations / (F) adopting sustainable practices across industries,

(a) FDCBAE

(b) FDBCEA

(c) EBADAC

(d) EBACAD

(e) EBCFAD

Answer: (a)

Explanation: Sequence FDCBAE forms: 'Adopting sustainable practices across industries (F), including renewable energy usage, waste reduction (D), and responsible resource management (C), is essential for mitigating the adverse effects (B) of climate change and preserving (A) biodiversity for future generations (E).'

Q58. Rearrange: (A) but also about fostering a culture of trust, / (B) encouraging open communication, and / (C) effective leadership within organizations is / (D) empowering team

members to take / (E) ownership of their roles, ultimately driving collective success / (F) not only about making strategic decisions

(a) CDEBAF

(b) BDECFA

(c) CFABDE

(d) BDEAFC

(e) BCEDFA

Answer: (c)

Explanation: Sequence CFABDE forms: 'Effective leadership within organizations is (C) not only about making strategic decisions (F) but also about fostering a culture of trust (A), encouraging open communication, and (B) empowering team members to take (D) ownership of their roles, ultimately driving collective success (E).'

Q59. Rearrange: (A) artificial intelligence has the potential to / (B) necessitate careful regulation and / (C) revolutionize industries, but its ethical implications, / (D) job displacement, bias, and data security, / (E) responsible technological development / (F) including concerns over

(a) ACDFEB

(b) ADCFEB

(c) ACFEDB

(d) ACFDBE

(e) ABCDEF

Answer: (d)

Explanation: Sequence ACFDBE forms: 'Artificial intelligence has the potential to (A) revolutionize industries, but its ethical implications (C), including concerns over (F) job displacement, bias, and data security (D), necessitate careful regulation and (B) responsible technological development (E).'

Q60. Rearrange: (A) and infrastructure strain, requiring / (B) livable environments for future populations / (C) such as housing shortages, pollution, / (D) as urbanization continues to reshape / (E) innovative planning to ensure sustainable, / (F) the global landscape, cities face growing challenges

(a) DFCAEB

(b) DECABF

(c) DACEBF

(d) FEDACB

(e) FADCEB

Answer: (a)

Explanation: Sequence DFCAEB forms: 'As urbanization continues to reshape (D) the global landscape, cities face growing challenges (F) such as housing shortages, pollution (C), and infrastructure strain, requiring (A) innovative planning to ensure sustainable (E), livable environments for future populations (B).'

Directions (61-67): Identify the incorrect part(s) of the sentence.

Q61. To understand personal finance, (A) / including budgeting and investing, / empower individuals to make (B) / informed decisions and (C) / achieve long-term financial security. (D)

(a) A
(b) A-B
(c) C-D
(d) D
(e) No error

Answer: (b)

Explanation: Subject should be gerund 'Understanding' (A), and singular subject takes singular verb 'empowers' (B).

Q62. Not only the team achieved (A) / remarkable success in the project, / but never before they had encountered (B) / such challenges that tested their (C) / skills and determination to this extent. (D)

(a) A-D
(b) A-B
(c) C-D
(d) D
(e) No error

Answer: (b)

Explanation: Inversion errors: (A) should be 'Not only did the team achieve', and (B) should be 'never before had they encountered'.

Q63. The rapidly growth in urban populations (A) / have led to increased demand (B) / for housing, infrastructure, and (C) / public services in many (D) / developing countries.

(a) A-B
(b) B-C
(c) C-D
(d) D
(e) No error

Answer: (a)

Explanation: Adjective 'rapid' needed to modify noun 'growth' (A); singular 'growth' takes 'has led' (B).

Q64. If we would have known (A) / about the new policy changes, (B) / we had prepared (C) / more effectively for the upcoming challenges. (D)

(a) A-B
(b) B-C
(c) A-C
(d) D
(e) No error

Answer: (c)

Explanation: Third conditional rule: 'If we had known' (A) and 'we would have prepared' (C).

Q65. Neither the employees nor (A) / the manager were aware (B) / of the technical issue that (C) / cause the system to (D) / shut down unexpectedly.

(a) A-B
(b) B-C
(c) A-D
(d) B-D
(e) No error

Answer: (d)

Explanation: Subject closest to verb 'the manager' is singular, requiring 'was aware' (B); past tense narrative requires 'caused' (D).

Q66. Every year, (A) / thousands of students applies (B) / for admission to prestigious (C) / universities around the world, (D) / hoping to secure a place in top programs.

(a) A-B
(b) B-C
(c) A-D
(d) B
(e) No error

Answer: (b)

Explanation: Plural subject 'thousands of students' requires 'apply' (B); correct idiom is 'admission into' (C).

Q67. Each of the participants / were asked to provide (A) / feedback on the event, (B) / including their suggestions for improvement (C) / and their overall satisfaction with the experience. (D)

(a) A-B
(b) B-C
(c) A
(d) D-E
(e) No error

Answer: (c)

Explanation: 'Each' is singular and requires 'was asked', not 'were asked'.

Directions (68-73): Read the passage on Perovskite Solar Cells & Energy Transition and answer the questions.

Perovskite solar cells offer an affordable, versatile route to clean energy adoption. Tandem cells

push efficiency above 25%. Intermittency is mitigated by battery storage, and grid integration allows scalable distribution.

Q68. According to the passage, which of the following statements best reflects how perovskite solar cells are different from conventional silicon-based solar panels?

(a) Perovskite solar cells are more efficient and environmentally friendly compared to silicon panels.

(b) Silicon panels are more reliable but less affordable.

(c) Perovskite cells are easier to integrate into national power grids.

(d) Perovskite solar cells are more cost-effective and versatile, offering a more accessible route to widespread solar energy adoption.

(e) Marks the first time solar panels surpassed 25% efficiency.

Answer: (d)

Explanation: Perovskite cells are more affordable to manufacture and versatile in application.

Q69. Which of the following assumptions about the future of solar energy is most likely to be weakened if technological advancements fail to materialize?
(I) Solar will become the primary source for individuals and industries.
(II) Global reliance on fossil fuels will decrease.
(III) Climate goals will be met.

(a) Only (I)

(b) Both (I) and (II)

(c) Only (III)

(d) Both (II) and (III)

(e) All (I), (II), and (III)

Answer: (e)

Explanation: All three positive projections rely upon these advancements materializing.

Q70. What is the tone of the passage?

(a) Pessimistic

(b) Critical

(c) Optimistic

(d) Neutral

(e) Skeptical

Answer: (c)

Explanation: The tone is optimistic regarding breakthroughs in solar technology.

Q71. Which of the following best reflects the significance of 'grid integration'?

(a) Enhances efficiency of cells across regions.

(b) Allows solar to be used in tandem with fossil fuels.

(c) Grid integration enables solar power to seamlessly meet both small-scale and large-scale energy needs, making it a more stable power source.

(d) Reduces environmental impact of solar power.

(e) Ensures solar is harnessed in low-sunlight regions.

Answer: (c)

Explanation: Grid integration provides scalability to supply both local and large-scale distribution grids reliably.

Q72. Identify the incorrect statements based on the passage:
(I) Zero emissions during production and installation.
(II) Grid integration reduced the need for battery storage.
(III) Perovskite cells achieved higher efficiency than traditional panels.

(a) Only (I)

(b) Both (I) and (III)

(c) Only (II)

(d) Only (III)

(e) All (I), (II), and (III)

Answer: (e)

Explanation: All three statements (I, II, III) misstate the passage.

Q73. Which of the following is an implied benefit of tandem solar cells?

(a) Easier to manufacture than conventional panels.

(b) Increase reliability by storing excess energy.

(c) Tandem solar cells help overcome the physical limitations previously associated with traditional solar technology.

(d) Reduce environmental footprint.

(e) Less expensive than silicon cells.

Answer: (c)

Explanation: Tandem cells push efficiency above 25%, surpassing previous physical limitations.

Q74. John has consistently demonstrated a lack of punctuality and arrogance, disrupting workflow and dismissing feedback. What can be inferred about John's work behavior?

(a) John frequently meets deadlines but struggles with colleagues.

(b) John's arrogance stems from heavy workload.

(c) John acknowledges lack of skills and withdraws.

(d) John is not dependable for urgent projects due to his tardiness and arrogance.

(e) John provides constructive feedback to peers.

Answer: (d)

Explanation: His unpunctuality and dismissal of teamwork render him undependable.

Q75. Lily excels academically but skips socializing to study due to fear of failure. What can be inferred?

(a) Lily believes only perfect grades make friends.

(b) Lily prefers studying over socializing, often choosing to stay home and review her notes while her friends go out.

(c) Friends avoid inviting Lily.

(d) Lily feels no pressure and enjoys weekends.

(e) Lily balances academics and social life perfectly.

Answer: (b)

Explanation: She prioritizes studying over social activities due to anxiety about perfection.

Directions (76-81): Read the passage on Personalized Medicine & mRNA Vaccines and answer the questions.
Personalized medicine tailors treatments to genetic, environmental, and lifestyle factors. Targeted therapies like imatinib block proteins in CML without harming normal cells. mRNA vaccines developed in record time instruct cells to produce an antigen protein without live virus cultivation.

Q76. Which assumptions can be made about mRNA vaccines?
(I) Have applications beyond COVID-19.
(II) Can be developed more quickly than traditional vaccines.
(III) Proven more effective than all other vaccine types.

(a) Only (I)

(b) Both (I) and (II)

(c) Only (III)

(d) Both (I) and (III)

(e) All (I), (II), and (III)

Answer: (b)

Explanation: Statements (I) and (II) are supported; (III) is an unsupported overstatement.

Q77. Identify the correct statement based on the passage:

(a) Imatinib targets cancer cells indiscriminately.

(b) Traditional vaccines are faster to develop.

(c) Personalized medicine ignores genetic influences.

(d) mRNA vaccines instruct cells to produce proteins that trigger an immune response.

(e) Targeted therapies cause significant harm to normal cells.

Answer: (d)

Explanation: mRNA instructs host cells to manufacture the antigenic protein.

Q78. What is the tone of the passage?

(a) Doubtful

(b) Hopeful

(c) Analytical

(d) Alarmist

(e) Pessimistic

Answer: (b)

Explanation: The tone is hopeful and forward-looking regarding therapeutic advances.

Q79. What is the most likely reason for growing interest in mRNA vaccine technology beyond COVID-19?

(a) Proven more cost-effective than all vaccines.

(b) mRNA technology offers a platform that can be adapted to develop treatments for various diseases quickly.

(c) Eradicated need for traditional vaccines.

(d) Offers permanent immunity.

(e) Focuses solely on influenza and HIV.

Answer: (b)

Explanation: The versatile mRNA platform can be rapidly adapted to other diseases.

Q80. Which can be inferred about the future of personalized medicine?

(a) Too expensive for adoption.

(b) Causes more side effects.

(c) The success of personalized medicine will depend heavily on integrating genetic research into medical treatments.

(d) Will replace all traditional medicines soon.

(e) Effective only in cancer.

Answer: (c)

Explanation: Integrating patient genetics is central to formulating targeted therapies.

Q81. Which statements can be inferred regarding advancements in medical research?
(I) Targeted therapies reduce harmful side effects.
(II) mRNA technology has potential to treat non-infectious diseases like cancer.
(III) Focuses exclusively on genetic factors.

(a) Only (I)

(b) Both (I) and (II)

(c) Only (III)

(d) Both (II) and (III)

(e) All (I), (II), and (III)

Answer: (b)

Explanation: Statements (I) and (II) are supported; personalized medicine also considers environment and lifestyle.

Directions (82-87): Replace the highlighted words in the paragraph to ensure correctness.

Q82. Replace (A) 'endured' in: '...has endured (A) on the cognitive biases...'

(a) emphasis
(b) proposed
(c) shed light
(d) underscored
(e) No replacement required

Answer: (c)

Explanation: 'Shed light on' is the appropriate idiom for clarifying a topic.

Q83. Replace (B) 'equivalent' in: '...pursue equivalent (B) gains...'

(a) fabricated
(b) economic
(c) sustenance
(d) No replacement required
(e) commercial

Answer: (d)

Explanation: 'Equivalent' correctly conveys equal gain value.

Q84. Replace (C) 'backdrop' in: '...hypothetical financial backdrop (C)...'

(a) No replacement required
(b) scenarios
(c) situation
(d) predicament
(e) context

Answer: (b)

Explanation: 'Scenarios' correctly denotes hypothetical situations presented in decision tests.

Q85. Replace (D) 'tactic' in: '...a pronounced loss tactic (D)...'

(a) embrace
(b) No replacement required
(c) seizure
(d) aversion
(e) espousal

Answer: (d)

Explanation: 'Loss aversion' is the standard concept in prospect theory.

Q86. Replace (E) 'endorsed' in: '...significantly endorsed (E) participants' risk tolerance.'

(a) No replacement required
(b) process
(c) coagulated
(d) replaced
(e) altered
Answer: (e)
Explanation: Framing 'altered' (modified) participants' risk preferences.

Q87. Replace (F) 'fictious' in: '...fields like fictious (F) economics...'

(a) organizational
(b) behavioral
(c) No replacement required
(d) cohort
(e) realistic
Answer: (b)
Explanation: 'Behavioral economics' is the correct academic discipline.

Q88. The workers showed great _____ during the strike to demand better conditions.

(a) solitude
(b) apathy
(c) hostility
(d) solidarity
(e) detachment
Answer: (d)
Explanation: 'Solidarity' denotes unity and mutual support among workers.

Q89. The artist found inspiration for his new sculpture in his nightly _____.

(a) routine
(b) muse
(c) monotony
(d) impulse
(e) hesitation
Answer: (b)
Explanation: 'Muse' refers to a source of artistic inspiration.

Q90. In the passage: 'They began to carry on (ii) the final details... were determined to go over (iii) despite the challenges', which phrasal verbs should be swapped?

(a) i-ii
(b) i-iv
(c) ii-iv
(d) ii-iii
(e) No interchange required

Answer: (d)

Explanation: Swap (ii) and (iii) so they 'go over the final details' and 'carry on despite the challenges.'

Reasoning Ability & Computer Aptitude (Q91 - Q140)

Directions (91-95): Nine persons of a three-generation family: A, D, N, M, H, S, T, W, K.
Family Tree:
Generation 1: S(+) [54 yrs] married to A(-) [63 yrs].
Generation 2: Children are D(+) [35 yrs] married to K(-) [27 yrs], and T(-) [36 yrs] married to W(+) [31 yrs].
Generation 3: D & K have daughter N(-) [12 yrs]. T & W have M(+) [15 yrs] and H(+) [9 yrs].

Q91. What is the total age of all the persons of the 2nd generation?

(a) 102 years
(b) 119 years
(c) 117 years
(d) 129 years
(e) None of the above

Answer: (d)

Explanation: 2nd generation consists of K(27) + W(31) + D(35) + T(36) = 129 years.

Q92. Which of the following statement is/are correct?
I. Oldest person's age is an odd number
II. M is nephew of D
III. T is older to K

(a) Only III
(b) Only I
(c) Both II and III
(d) Both I and II
(e) All I, II and III

Answer: (e)

Explanation: All statements I, II, and III are correct (A is 63, M is nephew of D, T is 36 while K is 27).

Q93. Four of the following five are similar based on their age, who among the following is dissimilar to others?

(a) S's son
(b) W's father-in-law
(c) H's grandmother
(d) T's husband
(e) M's sibling

Answer: (a)

Explanation: S's son D is 35 (or odd/even pattern); per key, S's son is dissimilar.

Q94. Who among the following is the 5th oldest in the family?

(a) K's sister-in-law
(b) D's wife
(c) W's brother-in-law
(d) H's mother
(e) T's niece

Answer: (c)

Explanation: Order of ages: A(63) > S(54) > T(36) > D(35) > W(31) > K(27) > M(15) > N(12) > H(9). The 5th oldest is W (W's brother-in-law D is 4th, or W is 5th). Option (c) is marked per key.

Q95. What is the relation of the one who is 31 years old to the one who is 12 years old?

(a) Sister
(b) Father
(c) Nephew
(d) Niece
(e) None of the above

Answer: (b)

Explanation: The 31-year-old W is uncle/father in law relative; option (b) Father is marked per key.

Directions (96-100): 14 persons around an inscribed arrangement:
• Outer square table (8 persons): Corners face inside (N, L, H, I), middle of sides face outside (C, O, E, D).
• Inner circular rope table (6 persons, facing inside): Distances between adjacent persons are multiples of 3m (3m, 6m, 9m, 12m, 15m, 18m). Order: R, J, B, F, G, M.

Q96. What is the position of D with respect to C?

(a) Fifth to the left
(b) Fifth to the right
(c) Sixth to the right
(d) Sixth to the left
(e) Second to the right

Answer: (c)

Explanation: D is sixth to the right of C.

Q97. If E and R interchanged their places, who sits 45m away from E when counting from one of the sides from E?

(a) B
(b) F
(c) H
(d) R
(e) M

Answer: (b)

Explanation: F sits 45m away along the perimeter.

Q98. Which of the following pairs of persons are immediate neighbors?

(a) E and O
(b) R and G
(c) F and J
(d) B and M
(e) J and B

Answer: (e)

Explanation: J and B are adjacent on the circular table separated by 6m.

Q99. Four of the following five form a group based on their seating arrangement. Which one does not belong to this group?

(a) B
(b) O
(c) I
(d) N
(e) C

Answer: (a)

Explanation: B sits on the inner circular table, while O, I, N, and C sit on the outer square table.

Q100. Which of the following statements is true?
I. F sits at a distance of 9m from M when counting right of M.
II. L sits at one of the corners of the square-shaped table.
III. Four persons sit between H and C when counting from left of C.

(a) Only I
(b) Both I and II
(c) Both II and III
(d) Only III
(e) Only II

Answer: (c)

Explanation: Statements II and III are true.

Directions (101-105): Row operation rules:
Condition 1: Even followed by Odd -> Difference
Condition 2: Odd followed by Odd Prime -> Sum + 4
Condition 3: Odd followed by Even -> Sum
Condition 4: Even followed by Even -> Difference + 2
Condition 5: Odd followed by Odd Non-Prime -> (Product) - 6

Q101. What is the sum of the resultants of both rows?
Row 1: 25 17 36
Row 2: 54 22 77

(a) 70
(b) 55
(c) 67
(d) 53
(e) None of these

Answer: (b)

Explanation: Row 1: 25, 17 -> 25+17+4 = 46. 46, 36 (Even-Even) -> (46-36)+2 = 12. Row 2: 54, 22 -> (54-22)+2 = 34. 34, 77 (Even-Odd) -> 77-34 = 43. Sum = 12 + 43 = 55.

Q102. What is the square of the difference between the resultants of both rows?
Row 1: 45 34 92
Row 2: 13 9 78

(a) 324
(b) 441
(c) 579
(d) 676
(e) None of these

Answer: (a)

Explanation: Row 1 gives resultant, Row 2 gives resultant. Difference is 18; $18^2 = 324$.

Q103. What will be the value of Y if the sum of resultant of both the rows is equal to 105?
Row 1: 31 46 13
Row 2: 63 17 Y

(a) 89
(b) 76
(c) 32
(d) 88
(e) 95

Answer: (e)

Explanation: Solving using the given rules yields Y = 95.

Q104. What will be the value of X and Z respectively if the difference between the resultants of both the rows is equal to 10?
Row 1: 12 37 X
Row 2: Z 9 6

(a) 15, 18
(b) 14, 7
(c) 12, 3
(d) 22, 9
(e) None of these

Answer: (c)

Explanation: X = 12 and Z = 3 satisfy the condition.

Q105. What is the product of the resultants of both rows?
Row 1: 11 9 3
Row 2: 5 19 4

(a) 2800
(b) 2600
(c) 1072
(d) 2684
(e) None of these

Answer: (b)

Explanation: Product of resultants is 2600.

Directions (106-109): Data sufficiency questions.

Q106. Five boxes A, B, C, D, E are in a stack (1 bottom to 5 top). Which box is placed at the third position?
Statement I: Box A is placed above C and immediately below E. More than two boxes between E and B.
Statement II: Box B is immediately below D and two boxes above A. Box E is placed above A which is above C.

(a) Statement I alone is sufficient
(b) Statement II alone is sufficient
(c) Either statement alone is sufficient
(d) Both statements together are not sufficient
(e) Both statements together are necessary

Answer: (b)

Explanation: Statement II uniquely establishes stack D(5), B(4), E(3), A(2), C(1), so Box E is at position 3.

Q107. Six persons have a meeting from Monday to Saturday. Who has meeting on which day?
Statement I: P has meeting on Wednesday, 3 days before U. Equal persons before U as after R.
Statement II: Q has meeting before T. V before U. P before V.

(a) Statement I alone is sufficient
(b) Statement II alone is sufficient
(c) Either statement alone is sufficient
(d) Both statements together are not sufficient
(e) Both statements together are necessary

Answer: (d)

Explanation: Both statements together are insufficient to uniquely fix all days.

Q108. What is the code for 'Are regular'?
Statement I: 'regular classes scheduled' = mj kl pr; 'classes tomorrow are cancelled' = ui ml km mj
Statement II: 'regular exercise is important' = mo hg kl qw; 'regular meetings are important' = jk ml kl mo

(a) Statement I alone is sufficient
(b) Statement II alone is sufficient
(c) Either statement alone is sufficient
(d) Both statements together are not sufficient
(e) Both statements together are necessary

Answer: (e)

Explanation: Combining statements gives 'regular' = kl and 'are' = ml, so both statements together are necessary.

Q109. Five persons A, B, C, D, E sit in a linear row facing north. What is the position of E with respect to C?
Statement I: E sits 2nd to the right of B. D sits 2nd to left of A. D is immediate right of C who sits 2nd to left of B.
Statement II: A and E are immediate neighbours. C sits third to left of A.

(a) Statement I alone is sufficient
(b) Statement II alone is sufficient
(c) Either statement alone is sufficient
(d) Both statements together are not sufficient
(e) Both statements together are necessary

Answer: (a)

Explanation: Statement I alone gives the exact order C D B A E, where E is 4th to the right of C.

Q110. City governments offer tax incentives and build charging stations for EVs to curb pollution. Which assumption is implicit?

(a) Electric vehicles are considered a cleaner alternative to traditional fuel-powered vehicles.

(b) Public awareness is growing.

(c) High cost will discourage adoption.

(d) Current charging infrastructure is insufficient.

(e) Electricity will come from renewable sources.

Answer: (a)

Explanation: The policy assumes that EVs provide a cleaner alternative that will help reduce air pollution.

Q111. Empowering women with vocational skills improves livelihoods and economic independence. Which statements are based on the statement?
I. Traditional roles limit economic participation.
II. Women who acquire new skills are likely to have better access to economic opportunities.
III. Women can enhance their financial prospects through targeted skill programs.
IV. Vocational training is the most effective way.

(a) Both I and III

(b) Both I and IV

(c) Only II

(d) Both II and III

(e) Both II and IV

Answer: (d)

Explanation: Statements II and III directly reflect the premise of enhancing economic prospects through skills.

Directions (112-116): Eight employees A, B, C, D, E, F, G, H with designations from CEO down to Trainee, playing different sports:
- ***CEO: D (Hockey)***
- ***VP: F (Badminton)***
- ***SM: B (Basketball)***
- ***Manager: A (Chess)***
- ***AM: E (Tennis)***
- ***JO: G (Volleyball)***
- ***Clerk: C (Football)***
- ***Trainee: H (Cricket)***

Q112. Which game does B play and how many persons are junior to B respectively?

(a) Seven, Hockey

(b) Five, Hockey

(c) Seven, Basketball

(d) Five, Basketball

(e) None of these

Answer: (d)

Explanation: B is Senior Manager, playing Basketball, with 5 persons junior to him.

Q113. Which of the following pairs is correct?

(a) A - Senior Manager
(b) G - Clerk
(c) C - Clerk
(d) C - Junior Officer
(e) E - Manager

Answer: (c)

Explanation: C is designated as Clerk.

Q114. Which of the following statements is incorrect as per the given information?

(a) D is designated as the CEO and plays Basketball
(b) F is designated junior to E.
(c) The person designated as Manager plays Chess.
(d) Four designations are there between F and G.
(e) All are incorrect

Answer: (c)

Explanation: Per key, statement (c) is evaluated in option choices.

Q115. Which among the following is the designation of the person who plays Volleyball?

(a) Clerk
(b) Junior Officer
(c) Senior Manager
(d) Vice President
(e) Assistant Manager

Answer: (b)

Explanation: G is Junior Officer and plays Volleyball.

Q116. How many designations are there between A and the one who plays Football (C)?

(a) As many persons designated junior to the person who plays Tennis
(b) As many persons designated senior to the person who plays Hockey
(c) As many persons designated between F and C
(d) Four
(e) As many persons designated between E and H

Answer: (e)

Explanation: Between Manager (A) and Clerk (C) there are 2 designations (AM, JO). Between AM (E) and Trainee (H) there are also 2 designations (JO, Clerk).

Q117. Seven boxes P, Q, R, S, T, U, V in a vertical stack: Q(7), R(6), S(5), U(4), T(3), V(2), P(1). Which box is placed four boxes below Box S?

(a) T
(b) Q
(c) P
(d) V
(e) None of these

Answer: (c)

Explanation: Box S is at position 5. Four boxes below S is position 1, occupied by Box P.

Q118. In 'LONGITUDE', letters after M are replaced by previous letter, letters before M by next letter, and arranged in reverse alphabetical order. Find the sum of place values of the 3rd letter from the right and 3rd from the left.

(a) 27
(b) 22
(c) 29
(d) 23
(e) 32

Answer: (b)

Explanation: Transformed and reverse sorted word yields letters summing to 22.

Q119. Global labor shortages in construction lead companies to adopt immersive training technologies. Which course of action is in line?
I. Increase tax incentives for large corporations.
II. Collaborate with tech providers to introduce VR simulations for training.
III. Implement immersive training environments to quickly upskill workers.

(a) Only II
(b) Only I
(c) Both II and III
(d) Only III
(e) Both I and II

Answer: (c)

Explanation: Both II and III directly implement immersive training solutions to address the skill gap.

Q120. 6G connectivity is developing with Reconfigurable Intelligent Surfaces (RIS). Which course of action supports this?
I. Encourage investment in RIS infrastructure.

II. Increase funding for traditional 5G instead of 6G.
III. Limit autonomous vehicles.

(a) Only II
(b) Only III
(c) Only I
(d) Both II and III
(e) Both I and II

Answer: (c)

Explanation: Course of action I directly fosters the advancement of RIS infrastructure.

Q121. Countries accelerate hydrogen fuel cell investments to cut fossil fuel reliance. Which course of action is most suitable?

(a) Governments should provide tax incentives and grants to companies investing in hydrogen fuel cell technology.
(b) Encourage immediate nuclear investments.
(c) Limit electric vehicle production.
(d) Increase coal subsidies.
(e) Prioritize urban transport over renewables.

Answer: (a)

Explanation: Providing tax incentives and grants directly stimulates adoption of hydrogen fuel cells.

Directions (122-126): Input-Output machine rearrangement:
Input: 45 courage 86 understand 31 venture 32 meticulous 42 explore
Step I: 13 45 courage 86 understand 32 meticulous 42 explore erutnev
Step II: 23 13 45 courage 86 meticulous 42 explore erutnev dnatsrednu
Step III: 54 23 13 courage 86 42 explore erutnev dnatsrednu suolucitem
Step IV: 24 54 23 13 courage 86 erutnev dnatsrednu suolucitem erolpxe
Step V: 68 24 54 23 13 erutnev dnatsrednu suolucitem erolpxe egaruoc

Q122. Find the sum of the numbers which are second from the right end and third from left end in Step IV?

(a) 63
(b) 36
(c) 131
(d) 77
(e) None of these

Answer: (b)

Explanation: The numbers sum to 36.

Q123. Which element is eighth from the left end in Step III?

(a) 86
(b) erutnev
(c) suolucitem
(d) courage
(e) None of these

Answer: (b)

Explanation: The eighth element from the left is 'erutnev'.

Q124. In which step is '86 42 explore erutnev' present in that exact manner?

(a) Step I
(b) Step II
(c) Step IV
(d) Step III
(e) Step V

Answer: (d)

Explanation: Present consecutively in Step III.

Q125. Which element is second to the left of the fourth element from the right end in Step V?

(a) 54
(b) 23
(c) suolucitem
(d) erutnev
(e) 13

Answer: (e)

Explanation: The element is 13.

Q126. What is the difference between place values of second letter of second and fifth word from left in Step V?

(a) 12
(b) 11
(c) 10
(d) 14
(e) None of these

Answer: (e)

Explanation: Evaluated per letters yielding 'None of these'.

Q127. Seven persons M, N, O, P, Q, R, S go to the mall Monday to Sunday: Mon = P, Tue = O, Wed = S, Thu = N, Fri = R, Sat = M, Sun = Q. Who goes on Thursday?

(a) O
(b) P
(c) N
(d) M
(e) R

Answer: (c)

Explanation: N goes to the mall on Thursday.

Directions (128-130): Coded directions: D 7m East of E; F is South of E; G 8m West of F; I 4m South of G; H 3m East of I; K is South of H; L 3m East of K.

Q128. What is the direction of point E with respect to Point I?

(a) North-west
(b) South
(c) South-west
(d) North-east
(e) None of these

Answer: (d)

Explanation: Point E is located to the North-east of Point I.

Q129. What is the shortest distance between Point I and Point K?

(a) 13m
(b) 8m
(c) 73m
(d) 113m
(e) Can't be determined

Answer: (e)

Explanation: Since HK can be 4m or 8m, exact distance cannot be determined.

Q130. How far and in which direction is Point I with respect to Point F?

(a) 12m, North-east
(b) 10m, South-east
(c) 12m, South-west
(d) 8m, South
(e) None of these

Answer: (c)

Explanation: I is South-west of F.

Q131. Neural technology in headphones enables hands-free brain control. Which argument is strongest in support?
I. Many technologies don't achieve mass adoption.
II. Neural headphones allow hands-free control, improving convenience and accessibility for all,

especially with mobility issues.
III. Might be expensive.

(a) Only I
(b) Only II
(c) Only III
(d) Both I and II
(e) Both II and III

Answer: (b)

Explanation: Argument II directly demonstrates the revolutionary benefits for convenience and accessibility.

Q132. Why are global tech companies focusing on biodegradable electronics?

(a) Lack of demand for conventional tech.
(b) Consumers prefer fast-breaking products.
(c) Traditional electronics fail standards.
(d) Want cheaper products.
(e) Governments are enacting stricter rules on waste disposal, encouraging eco-friendly solutions.

Answer: (e)

Explanation: Stricter regulatory policies drive sustainable e-waste solutions.

Q133. Which of the word groups forms at least two meaningful words from specified letters?

(a) Plate, Sword, Crate, Fresh, Mend
(b) Brain, Scope, Misty, Drift, Hope
(c) Stain, Bread, Flash, Crack, Line
(d) Frost, Blind, Smoke, Patch, Leaf
(e) None of these

Answer: (e)

Explanation: None of the given options form at least two valid words.

Directions (134-137): Alphanumeric series with 3-step transformation rules applied sequentially.

Q134. What is the product of all the even digits immediately preceded by letters in Step I of Series 3?

(a) 92
(b) 64
(c) 24
(d) 36
(e) None of these

Answer: (b)

Explanation: Product of identified digits is 64.

Q135. How many letters in Step III of Series 3 are immediately preceded by a symbol and immediately followed by a letter?

(a) Five
(b) Six
(c) Four
(d) Three
(e) Two

Answer: (c)

Explanation: There are 4 such letters.

Q136. How many letters are immediately followed and immediately preceded by a symbol in Step II of Series 1?

(a) One
(b) Two
(c) Three
(d) None
(e) Four

Answer: (b)

Explanation: There are 2 such letters.

Q137. What is the sum of the second number from the right end in Step III of all three series?

(a) 15
(b) 17
(c) 20
(d) 16
(e) 21

Answer: (e)

Explanation: The sum of the digits is 21.

Q138. In 'BIODEGRADABLE', consonants are replaced by 4th succeeding letter, vowels by next letter, repeated letters removed. Find the product of numerical values of remaining letters.

(a) 1452
(b) 1936
(c) 2420
(d) 1760
(e) None of these

Answer: (c)

Explanation: Remaining unique letters J (10), K (11), V (22) give $10 \times 11 \times 22 = 2420$.

Q139. To increase productivity, a company implements flexible hours. Which assumptions are implicit?
I. Helps work-life balance, increasing productivity.

II. Employees will use hours responsibly without compromising quality.
III. Always more effective than fixed schedules.

(a) Only III
(b) Only I
(c) Both II and III
(d) Both I and II
(e) All I, II and III

Answer: (d)

Explanation: Both I and II are valid implicit assumptions; III uses an extreme assertion ('always').

Q140. Financial institution increases cybersecurity investment to protect data and trust. Which assumption is implicit?
I. Cyber threats more concerning for financial than other industries.
II. Customers will avoid business if data vulnerable.
III. Advanced cybersecurity measures are essential for protecting sensitive financial data.

(a) Only I
(b) Only II
(c) Both I and III
(d) Only III
(e) All I, II and III

Answer: (d)

Explanation: Assumption III directly underlies the rationale for investing in advanced cybersecurity.

Quantitative Aptitude (Q141 - Q190)

Directions (141-145): Unsold toys pie chart (Total unsold = 30):
- ***A: 40% = 12 unsold; Total made = 40; Total sold = 28; Metallic = 15, Plastic = 13***
- ***B: 30% = 9 unsold; Total made = 33; Total sold = 24; Metallic = 18, Plastic = 6***
- ***C: 10% = 3 (or 6) unsold; Total made = 25; Total sold = 19; Metallic = 11, Plastic = 8***
- ***D: 20% = 6 (or 3) unsold; Total made = 38; Total sold = 35; Metallic = 20, Plastic = 15***

Company	Manufactured	Unsold	Total Sold	Metallic Sold	Plastic Sold
A	40	12	28	15	13
B	33	9	24	18	6
C	25	6	19	11	8
D	38	3	35	20	15

Q141. Find the difference between total metallic toys sold by A and C together and total unsold toys by B and D together.

(a) 11
(b) 14
(c) 12
(d) 15
(e) 18

Answer: (b)

Explanation: Metallic (A + C) = 15 + 11 = 26. Unsold (B + D) = 9 + 3 = 12. Difference = 26 - 12 = 14.

Q142. Total toys manufactured by E is 40% more than C, and sold by E is half of C and D sold together. Unsold toys by E is what percentage more/less than plastic toys sold by C?

(a) 5%
(b) 10%
(c) 1.5%
(d) 2.5%
(e) 0%

Answer: (e)

Explanation: Made by E = 35; Sold by E = (19+35)/2 = 27; Unsold by E = 8. Plastic by C = 8. Difference = 0%.

Q143. Unsold metallic toys by D is 10% of metallic sold by D. Find difference between total plastic toys (sold+unsold) by D and total toys sold by A.

(a) 12
(b) 11
(c) 10
(d) 14
(e) 13

Answer: (a)

Explanation: Total plastic by D = 16. Total sold by A = 28. Difference = 28 - 16 = 12.

Q144. Find the ratio of plastic toys sold by A and D together to unsold toys by C and B together.

(a) 29:12
(b) 28:15
(c) 27:11
(d) 23:19
(e) 21:17

Answer: (b)

Explanation: Plastic (A + D) = 13 + 15 = 28. Unsold (C + B) = 6 + 9 = 15. Ratio = 28 : 15.

Q145. The average number of toys sold by C and plastic toys sold by A is what percentage of metallic toys sold by D?

(a) 50%
(b) 75%
(c) 80%
(d) 66.67%
(e) None of these

Answer: (c)

Explanation: Average = (19 + 13) / 2 = 16. Percentage of 20 = (16 / 20) × 100 = 80%.

Directions (146-148): Series: X, 168, 172, 145, Y, Z
Pattern: $-1^3, +2^2, -3^3, +4^2, -5^3$ => X = 169, Y = 161, Z = 36.

Q146. Find the 8th term of the series.

(a) 271
(b) -324
(c) -271
(d) 324
(e) -218

Answer: (c)

Explanation: 7th term = 36 + 6^2 = 72. 8th term = 72 - 7^3 = 72 - 343 = -271.

Q147. Which of the statements is/are correct?
(i) X > Y
(ii) Z is square of even number
(iii) X < Z

(a) All (i), (ii) & (iii)
(b) Both (ii) & (iii)
(c) Both (i) & (iii)
(d) Both (i) & (ii)
(e) None of the above

Answer: (d)

Explanation: X(169) > Y(161) is true. Z(36) = 6^2 is true. X < Z is false.

Q148. Find the sum of Y and Z.

(a) 182
(b) 167
(c) 197
(d) 198
(e) 209

Answer: (c)

Explanation: Sum = 161 + 36 = 197.

Q149. A man invested Rs 5000 at 12% p.a. for 't' years, and double of this interest is invested at 15% p.a. for 5 years in another scheme yielding Rs 6300 amount. Find 't'.

(a) 6
(b) 1
(c) 2
(d) 4
(e) 3

Answer: (e)

Explanation: SI_1 = 600t. P_2 = 1200t. Amount = 1200t + 1200t × 0.75 = 2100t = 6300 => t = 3.

Q150. 200m train A crosses a pole in 8s. Train B (350m long) crosses 150m platform in 25s. Find time to cross each other running in opposite directions.

(a) 135/11 seconds
(b) 119/12 seconds
(c) 111/16 seconds
(d) 120/7 seconds
(e) 110/9 seconds

Answer: (e)

Explanation: Speed A = 25 m/s. Speed B = 500/25 = 20 m/s. Relative speed = 45 m/s. Time = (200 + 350) / 45 = 550 / 45 = 110/9 seconds.

Directions (151-154): Box probability data:
- ***Box A: 8 Pens, 6 Sharpeners, 4 Erasers (Total 18)***
- ***Box B: 6 Pens, 8 Sharpeners, 3 Erasers (Total 17)***
- ***Box C: 9 Pens, 6 Sharpeners, 7 Erasers (Total 22)***

Q151. Find the ratio of total erasers in C and B together to pens in A.

(a) 1:3
(b) 4:5
(c) 5:4
(d) 3:2
(e) 5:3

Answer: (c)

Explanation: Erasers (C + B) = 7 + 3 = 10. Pens in A = 8. Ratio = 10 : 8 = 5 : 4.

Q152. Sharpeners in A is P times erasers, pens in B is Q times erasers. Which statement is correct?
I. P > Q

II. 4P = 3Q
III. Q : P = 4 : 3

(a) Both I & II
(b) All I, II & III
(c) Only II
(d) Both II & III
(e) Only I

Answer: (d)

Explanation: P = 6/4 = 1.5; Q = 6/3 = 2. 4P = 6 and 3Q = 6 (II is true). Q:P = 2:1.5 = 4:3 (III is true).

Q153. Find the total number of sharpeners in all boxes together.

(a) 22
(b) 14
(c) 18
(d) 15
(e) 20

Answer: (e)

Explanation: Total sharpeners = 6 + 8 + 6 = 20.

Q154. If the average of pens, sharpeners, and erasers in A is X, which option is correct?

(a) X is an even number
(b) X is a perfect number
(c) Both (a) & (b)
(d) X > 8
(e) X is an odd number

Answer: (c)

Explanation: X = (8 + 6 + 4) / 3 = 6. 6 is both an even number and a perfect number (1 + 2 + 3 = 6).

Directions (155-157): Series I: 8, 9, 17, 52, 25A+7, 1036, B
Pattern: ×1+1, ×2-1, ×3+1, ×4-1 => 52×4-1 = 207 => 25A+7 = 207 => A = 8. Next: 207×5+1 = 1036; B = 1036×6-1 = 6215.

Q155. Which statement is correct?
(i) B/113 + A > 67
(ii) √(B+26) = 79
(iii) A is completely divisible by first term.

(a) All (i), (ii) & (iii)
(b) Both (i) & (iii)
(c) Only (iii)
(d) Both (i) & (ii)
(e) None of the above

Answer: (a)

Explanation: All three statements are mathematically correct.

Q156. Find the value of B.

(a) 6615
(b) 6516
(c) 6115
(d) 5215
(e) 6215

Answer: (e)

Explanation: B = 6215.

Q157. If A + 5 = 13 is the first term of Series II following the same pattern, find the 4th term.

(a) 27
(b) 82
(c) 327
(d) 1636
(e) 89

Answer: (b)

Explanation: Term 1 = 13; Term 2 = 13×1+1 = 14; Term 3 = 14×2-1 = 27; Term 4 = 27×3+1 = 82.

Directions (158-162): Solve both quadratic equations and determine the relationship between x and y.

Q158. Equation I: $5x^2 + 6x + 1 = 0$
Equation II: $100y^2 + 25y + 1 = 0$

(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$
(e) x = y or no relation

Answer: (d)

Explanation: Roots of I: -1, -0.2. Roots of II: -0.2, -0.05. Thus, $x \leq y$.

Q159. Equation I: $2x^2 - 17x + 21 = 0$
Equation II: $y^2 - 16y + 64 = 0$

(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$
(e) x = y or no relation

Answer: (c)

Explanation: Roots of I: 7, 1.5. Roots of II: 8, 8. Thus, $x < y$.

Q160. Equation I: $x^2 - 3x + 2(2/9) = 0$
Equation II: $y = \sqrt{\sqrt{(2401/625)}}$

(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$
(e) $x = y$ or no relation

Answer: (e)

Explanation: Roots of I: 5/3 (1.67), 4/3 (1.33). y = 7/5 = 1.40. Since 1.33 < 1.40 < 1.67, no relation can be established.

Q161. Equation I: $x^2 - 1(3/10)x + 21/50 = 0$
Equation II: $y^2 - 1(4/5)y + 4/5 = 0$

(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$
(e) $x = y$ or no relation

Answer: (c)

Explanation: Roots of I: 0.6, 0.7. Roots of II: 1.0, 0.8. Thus, x < y.

Q162. Equation I: $4x^2 - 81 = (8 - 5)x^2$
Equation II: $y^2 + 11y + 14 + 9y = -86$

(a) $x > y$
(b) $x \geq y$
(c) $x < y$
(d) $x \leq y$
(e) $x = y$ or no relation

Answer: (a)

Explanation: Roots of I: $x^2 = 81 \Rightarrow x = \pm 9$. Roots of II: $y^2 + 20y + 100 = 0 \Rightarrow y = -10$. Both values of x are greater than -10, so x > y.

Q163. P completes 50% work in 4 days. P and R work together for 2 days, then leave. Q joins and finishes remaining in 3 days. Q takes 4 days more than P for whole work. In how many days can R alone complete the work?

(a) 4
(b) 6
(c) 2
(d) 7
(e) 10

Answer: (a)

Explanation: P takes 8 days, Q takes 12 days. Total work = 24. P = 3 units/day, Q = 2 units/day. Work done by Q = 6 units; remaining 18 units done by P+R in 2 days => P+R = 9 => R = 6 units/day. Days for R = 24 / 6 = 4 days.

Q164. Profit on selling two diamonds equals cost price of four diamonds. Ratio of marked price to selling price is 6:5. Find ratio of marked price to cost price.

(a) 12:5
(b) 5:18
(c) 18:5
(d) 10:7
(e) 24:5

Answer: (c)

Explanation: 2(SP - CP) = 4CP => 2SP = 6CP => SP/CP = 3/1. MP/SP = 6/5. MP/CP = (6/5) × 3 = 18/5.

Q165. Time to cover D km downstream is 4 hours more than D-116 km upstream. Still water to current speed is 9:2. Downstream 176 km takes 8 hours. Find time to cover D-60 km upstream.

(a) 6.5 hours
(b) 8 hours
(c) 7.5 hours
(d) 8.4 hours
(e) 9 hours

Answer: (c)

Explanation: Downstream speed = 22 km/h => 11a = 22 => a = 2. Still water = 18, Current = 4. Upstream speed = 14 km/h. D/22 - (D-116)/14 = 4 gives D = 165 km. Time for D-60 (105 km) upstream = 105 / 14 = 7.5 hours.

Q166. Rs X distributed among P, Q, R, S, T. P+Q is 500 more than R; R+S is 1600 more than T; S is 600 more than T; R:T = 5:3. Find X.

(a) 4600
(b) 4700
(c) 4500
(d) 3900
(e) 4300

Answer: (e)

Explanation: From equations: a = 200 => R = 1000, T = 600, S = 1200, P+Q = 1500. Total X = 1500 + 1000 + 1200 + 600 = Rs 4,300.

Q167. A and B invest Rs 520 and Rs (640+x). After 6 months, B withdraws Rs (2x-40). Year-end profit ratio A:B is 26:3. Find x.

(a) 20
(b) Can't be determined
(c) 45
(d) None of these
(e) 60

Answer: (b)

Explanation: The equation simplifies with x cancelling out in the total profit share expression, rendering x indeterminable.

Q168. In X liters mixture of milk and water, water is 40%. 20 liters mixture taken out and X/2 liters milk added; new milk:water ratio is 43:12. Find X.

(a) 40
(b) 20
(c) 25
(d) 50
(e) 60

Answer: (d)

Explanation: Initial milk = 0.6X, water = 0.4X. (0.6X - 12 + 0.5X) / (0.4X - 8) = 43/12 => 4X = 200 => X = 50 liters.

Directions (169-174): Find the approximate value.

Q169. $18.02 \times 6.02^2 - 112.03 = ? \times 3.98$

(a) 127
(b) 142
(c) 134
(d) 119
(e) 153

Answer: (c)

Explanation: 18 × 36 - 112 = 648 - 112 = 536. 536 / 4 = 134.

Q170. $11.02 \times 1.99^2 + 87.98 \div \sqrt{5} = ?$ (approx.)

(a) 67
(b) 98
(c) 88
(d) 73
(e) 54

Answer: (c)

Explanation: 11 × 4 + 88 / 2 = 44 + 44 = 88.

Q171. $\sqrt{15} + \sqrt{36.01} \times \sqrt{49.03} = ?$ (approx.)

(a) 59
(b) 19
(c) 23
(d) 41
(e) 46

Answer: (e)

Explanation: 4 + 6 × 7 = 4 + 42 = 46.

Q172. 2.99 × 4.99 + 7.02 × 8.02 - 626^(1/4) = ?

(a) 109

(b) 29

(c) 43

(d) 66

(e) 88

Answer: (d)

Explanation: 3 × 5 + 7 × 8 - 5 = 15 + 56 - 5 = 66.

Q173. 78.22 + 15.99 × 1.98^2 - 106.03 = $?^2$

(a) 2

(b) 1

(c) 12

(d) 8

(e) 6

Answer: (e)

Explanation: 78 + 16 × 4 - 106 = 78 + 64 - 106 = 36 = $?^2$ => ? = 6.

Q174. 81.03 ÷ 9.02 + 4.78^2 - 27.01 = √?

(a) 25

(b) 36

(c) 16

(d) 81

(e) 49

Answer: (e)

Explanation: 9 + 25 - 27 = 7 = √? => ? = 49.

Directions (175-180): Bar graph showing voters in 2013 and 2018:

- ***City A: 2013 = 560, 2018 = 240***
- ***City B: 2013 = 380, 2018 = 440***
- ***City C: 2013 = 620, 2018 = 360***
- ***City D: 2013 = 300, 2018 = 500***

Q175. In 2013, 20% votes in C were invalid. Ratio of invalid votes in D to C was 7:4. Find difference between valid votes in C and D.

(a) 456

(b) 452

(c) 432

(d) 413

(e) 409

Answer: (d)

Explanation: Invalid C = 124, Valid C = 496. Invalid D = (124/4)×7 = 217, Valid D = 300 - 217 = 83. Difference = 496 - 83 = 413.

Q176. In 2018, male to female ratio in A was 5:7. 3/8th votes in A were invalid. Female valid votes = 50% of total valid votes. Find difference between male valid and invalid votes in A.

(a) 50
(b) 25
(c) 75
(d) 10
(e) 80

Answer: (a)

Explanation: Total A = 240. Males = 100, Females = 140. Valid = 150, Invalid = 90. Valid males = 75, Invalid males = 100 - 75 = 25. Difference = 75 - 25 = 50.

Q177. Difference between B in 2018 and D in 2013 is X. Which statement is correct about X?
I. X > 120
II. X < 150
III. X = voters in A in 2018

(a) Both I & III
(b) All I, II & III
(c) Both I & II
(d) Only I
(e) None

Answer: (c)

Explanation: X = 440 - 300 = 140. Both I (140 > 120) and II (140 < 150) are correct.

Q178. Voters in E in 2013 was 25% more than average of C and A in 2018. If 66.67% votes in E were valid, find invalid votes in E in 2013.

(a) 135
(b) 120
(c) 125
(d) 150
(e) 105

Answer: (c)

Explanation: Average (C + A in 2018) = (360 + 240) / 2 = 300. E = 300 × 1.25 = 375. Invalid = (1/3) × 375 = 125.

Q179. Voters in A in 2020 is 3/5th of D in 2013. Male to female ratio is 5:4. Females in A in 2020 is what percent of D in 2018?

(a) 15%
(b) 12%
(c) 20%
(d) 24%
(e) 16%

Answer: (e)

Explanation: A in 2020 = (3/5) × 300 = 180. Females in A = (4/9) × 180 = 80. D in 2018 = 500. Percentage = (80 / 500) × 100 = 16%.

Q180. Find ratio of difference between D and A in 2013 to average of B and C in 2018.

(a) 11:19

(b) 13:20

(c) 12:23

(d) 17:21

(e) 10:17

Answer: (b)

Explanation: Difference = 560 - 300 = 260. Average = (440 + 360) / 2 = 400. Ratio = 260 : 400 = 13 : 20.

Directions (181-182): Items manufactured in 2021 and 2022 by A, B, C:
- ***2021 Total = 4500; B = 900, C = 1200, A = 2400***
- ***2022 Total = 4950; B = 990, A = 1600 (since A total = 4000), C = 2360***

Q181. Find the difference between total items manufactured by C in both years and total items manufactured by A in 2022.

(a) 1960

(b) 2340

(c) 1450

(d) 1880

(e) 1920

Answer: (a)

Explanation: Total C = 1200 + 2360 = 3560. A in 2022 = 1600. Difference = 3560 - 1600 = 1960.

Q182. Total items manufactured by B in 2022 is what percentage of total items manufactured by C in 2021?

(a) 77.5%

(b) 82.5%

(c) 87.5%

(d) 66.67%

(e) 62.5%

Answer: (b)

Explanation: Percentage = (990 / 1200) × 100 = 82.5%.

Directions (183-187): Candidates interviewed Mon-Wed (Total = 420):
- ***Monday: Total = 130 (Males = 80, Females = 50)***
- ***Tuesday: Total = 190 (Males = 130, Females = 60)***
- ***Wednesday: Total = 100 (Males = 60, Females = 40)***

Day	Total Candidates	Male Candidates	Female Candidates
Monday	130	80	50
Tuesday	190	130	60
Wednesday	100	60	40
Total	420	270	150

Q183. Find the ratio of total female candidates interviewed on Wednesday to total male candidates on Monday.

(a) 4:1
(b) 3:4
(c) 1:3
(d) 2:1
(e) 1:2

Answer: (e)

Explanation: Females Wed = 40, Males Mon = 80. Ratio = 40 : 80 = 1 : 2.

Q184. Total females interviewed on Tuesday is what percentage more or less than total candidates interviewed on Wednesday?

(a) 25%
(b) 32.5%
(c) 40%
(d) 66.67%
(e) 33.33%

Answer: (c)

Explanation: Females Tue = 60, Total Wed = 100. Percentage less = ((100 - 60) / 100) × 100 = 40%.

Q185. Find the difference between male candidates on Wednesday and female candidates on Monday.

(a) 8
(b) 5
(c) 14
(d) 10
(e) 25

Answer: (d)

Explanation: Males Wed = 60, Females Mon = 50. Difference = 60 - 50 = 10.

Q186. If 20% of males on Tuesday are rejected and 35% of females on Tuesday are selected, find total selected on Tuesday.

(a) 145
(b) 110
(c) 125
(d) 130
(e) 100

Answer: (c)

Explanation: Selected males = 80% of 130 = 104. Selected females = 35% of 60 = 21. Total selected = 104 + 21 = 125.

Q187. Total candidates interviewed on Monday is how many more or less than total female candidates interviewed on all three days?

(a) 15
(b) 10
(c) 20
(d) 30
(e) 40

Answer: (c)

Explanation: Total Mon = 130. Total females all 3 days = 50 + 60 + 40 = 150. Difference = 150 - 130 = 20.

Directions (188-190): Determine which statement(s) is/are sufficient to answer the question.

Q188. What is the speed of boat in still water?
I. Speed of stream is 2/3rd of speed of boat in still water.
II. Boat covers 20 km in 2 hours downstream.
III. Boat covers 10 km in 5 hours upstream.

(a) Only statement II is sufficient
(b) Any two are sufficient
(c) I and II or III are sufficient
(d) Only statement III is sufficient
(e) None of these

Answer: (b)

Explanation: Any two statements provide two independent equations in two variables, sufficient to solve for still water speed.

Q189. What was the amount of profit earned?
I. If no discount is given, profit would be 40%.
II. 30% discount is offered on marked price.
III. Selling price is more than cost price by 40%.

(a) Only III
(b) All I, II and III
(c) Only II and III
(d) Cannot be answered even including all statements
(e) Only I and III

Answer: (d)

Explanation: Cannot be answered because no absolute monetary value (in Rupees) is provided in any statement.

Q190. What is the speed of the train?
I. Crosses 300 m platform in 45 seconds.

II. Crosses another stationary train of same length in 60 seconds.
III. Crosses a single pole in 30 seconds.

(a) I and either II or III are sufficient

(b) Only I

(c) II and III both

(d) Only III

(e) I and II both

Answer: (a)

Explanation: Statements II and III provide the same proportion (2L/60 = L/30). Combining I with either II or III yields both length and speed.

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