

## IBPS PO Prelims Previous Year Paper 2023

**Directions (1-8):** Read the given passage and answer the following questions based on it.

Emissions of carbon dioxide and other greenhouse gases plunged 4.6 percent in 2020, as lockdowns in the first half of the year restricted global mobility and hampered economic activity. Many hoped that this would mark the beginning of a more permanent shift downwards in emissions.

Emissions from the manufacturing and the energy sectors contributed the most to recent global increases based on updated information from the IMF's Climate Change Indicators Dashboard—a joint effort among national and international statistical organizations to provide timely data to help monitor the transition to lower carbon use.

As greenhouse gas emissions from human activities increase, they **build** up in the atmosphere and warm the climate, leading to many other changes around the world—in the atmosphere, on land, and in the oceans. While total emissions have climbed significantly above pre-pandemic levels, increases from transportation and households were more muted last year as the pandemic weighed on global mobility. This was particularly evident with the emergence of the omicron variant in the fourth quarter of last year. The public health policy measures in many countries drove down the emissions of households and of the electricity sector.

It will be important to monitor the emissions of both of these sectors as economies fully reopen in the context of historically high fossil fuel-based energy prices. The Intergovernmental Panel on Climate Change has said that, in the scenarios they assessed, limiting atmospheric warming to the key level of around 1.5 degrees Celsius requires global greenhouse gas emissions to peak by 2025 at the latest, emphasizing that achieving this milestone is a crucial step towards controlling the severity of

climate change. The new data from the climate dashboard underscore what some scientists have warned: time is running out, and we must urgently bend the emissions **curve** to achieve the necessary reductions to limit atmospheric warming.

**Q1.** According to the passage, why did greenhouse gas emissions decrease in 2020?

- (a) Reduced emissions from manufacturing and energy sectors
- (b) The introduction of global policy over capping greenhouse gas emission by 30%
- (c) Global mobility restrictions and economic activity declination due to lockdown
- (d) Increased use of renewable energy sources
- (e) The emergence of the Climate Change Indicators Dashboard

**Q2.** How do greenhouse gas emissions impact the climate, as mentioned in the passage?

- (a) They lead to increased atmospheric humidity.
- (b) They reduce atmospheric warming.
- (c) They cause changes in the atmosphere, land, and oceans.
- (d) They only affect the atmosphere.
- (e) Their impact on climate is miniscule thus cannot be judged effectively.

**Q3.** What specific role does the IMF's Climate Change Indicators Dashboard play, as mentioned in the passage?

- (a) Providing funding for renewable energy projects
- (b) Monitoring the transition to lower carbon use
- (c) Assessing the effectiveness of public health measures
- (d) Predicting future global mobility trends
- (e) Advocating for stricter emissions regulations

**Q4.** What is the significance of limiting atmospheric warming to around 1.5 degrees Celsius, as mentioned by the IPCC?

- (a) It prevents all climate-related changes.
- (b) It ensures immediate reductions in emissions.
- (c) It avoids the need for future climate action.
- (d) It reduces the risk of severe climate impacts.
- (e) It guarantees economic growth.

**Q5.** What is the overarching message conveyed by the passage regarding greenhouse gas emissions and climate change?

- (a) The world is on track to achieve the necessary reductions in emissions.
- (b) The Climate Change Indicators Dashboard is the sole solution to climate change.
- (c) Greenhouse gas emissions have no significant impact on climate.
- (d) Economic growth is more important than addressing climate change.
- (e) Urgent action is needed to reduce emissions and limit atmospheric warming.

**Q6.** What does the passage suggest about the relationship between the pandemic and greenhouse gas emissions?

- (a) The pandemic had no impact on greenhouse gas emissions.
- (b) The pandemic led to an increase in emissions.
- (c) The pandemic caused a temporary decrease in emissions.
- (d) The pandemic gave a significant time to construct proper plan to curb greenhouse gas emission
- (e) The pandemic accelerated emissions from the manufacturing sector.

**Q7.** Which of the following words is the synonym of “curve” as highlighted in the given passage?

- (a) loop
- (b) pendulous
- (c) spiral
- (d) trajectory
- (e) abaft

**Q8.** Which of the following words is the antonym of “build” as highlighted in the given passage?

- (a) demolish
- (b) rejig
- (c) extraction
- (d) malign
- (e) squeeze

**Directions (9-13):** Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is ‘No error’, the answer is (e). (Ignore errors of punctuation, if any).

**Q9.** A nimiety of food were (A)/ spread over the tables and was (B)/ way more than any one (C)/ group of people could eat (D)/.

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

**Q10.** The skipper of the (A)/ boat guide the vessel (B)/ through the storm and made (C)/ it safely into the port (D)/.

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



**Q11.** Spunky and full of spirit (A)/, the little girl is known (B)/ for always doing things that (C)/ others are afraid to does (D)/.

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

**Q12.** The cell's nucleus is like (A)/ the conductor of a huge (B)/ opera who tell all the (C)/ performers what to do (D)/.

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

**Q13.** To avoid a calamity, the (A)/ police is asking everyone (B)/ to move away from (C)/ the burning building (D)/.

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

**Directions (14-16):** In each of the questions given below five words are given in bold. These four words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct. Find the correct combination of the words that replace each other. If the sentence is correct as it is then select option (e) as your choice.

**Q14.** A **rugged (A)** ceiling fan uses the time-tested **induction (B)** motor, which is **typical (C)** but may have **limits (D)** on **energy (E)** performance.

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

**Q15.** In behavioural economics, **choices (A)** are **interventions (B)** that influence people's choices to make certain **decisions (C)** without **restricting (D)** the **nudges (E)** available to them.

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

**Q16.** Single-use plastics have **emerged (A)** as one of the world's most **buried (B)** environmental **threats (C)**, with vast amounts of waste **pressing (D)** in landfills or **dumped (E)** untreated in rivers and oceans.

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

**Directions (17-21):** Rearrange the following sentences in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) Artificial intelligence and robotics are very recent technologies and risks for our world.
- (B) They may also inherit the full nature of creatures.
- (C) When humans see the past histories of AI and robotics, human beings can examine and understand the objectives and intentions of them to make life easy and assist human beings within different circumstances and situations.
- (D) However, currently and in the near future, due to the change in the attitude of robotic and AI inventors and experts as well as based on the AI nature that their capacity of environmental acquisition and adaptation, they may become predators and put creatures at risk.
- (E) They are developing their capacity dramatically and shifting their origins of developing intention to other dimensions.
- (F) Thus, finally they will create their new universe or the destiny of our universe will be in danger.

**Q17.** Which of the following should be the THIRD sentence after rearrangement?

- (a) D
- (b) A
- (c) B
- (d) E
- (e) C

**Q18.** Which of the following should be the FIRST sentence after rearrangement?

- (a) A
- (b) F
- (c) E
- (d) B
- (e) C

**Q19.** Which of the following should be the FIFTH sentence after rearrangement?

- (a) C
- (b) E
- (c) B
- (d) A
- (e) F

**Q20.** Which of the following should be the SECOND sentence after rearrangement?

- (a) B
- (b) E
- (c) D
- (d) C
- (e) A

**Q21.** Which of the following should be the LAST sentence after rearrangement?

- (a) C
- (b) B
- (c) E
- (d) D
- (e) F

**Directions (22-25):** In each of the following questions, a sentence has been given with two blanks. For each question, five options are given, each containing two words. You have to choose the most suitable option that fits both the blanks grammatically and contextually.

**Q22.** Although Epsom and Ewell are \_\_\_\_\_ populated, more than two-fifths of the borough is \_\_\_\_\_ as a green belt.

- (a) courageously, alarmed
- (b) densely, designated
- (c) brightly, terrified
- (d) morosely, spirited
- (e) sunnily, collected

**Q23.** The particularly \_\_\_\_\_ focus on the idea of a fully developed form in Aristotle's \_\_\_\_\_ of humans derives from its dual role.

- (a) elegant, ambitions
- (b) dapper, operations
- (c) prominent, discussions
- (d) spruce, applications
- (e) formal, attractions

**Q24.** In summer, the region is bathed in an \_\_\_\_\_ of sunlight, with a "midnight sun" that \_\_\_\_\_ sets.

- (a) abundance, never
- (b) absence, there
- (c) violence, now
- (d) silence, below
- (e) vengeance, soon



**Q25.** This has \_\_\_\_\_ both local populations and the rest of the world, with rising sea levels and \_\_\_\_\_ weather events.

- (a) inspired, arcane
- (b) captivated, average
- (c) amazed, abstruse
- (d) depressed, supreme
- (e) affected, extreme

**Directions (26):** A word has been given in each question and has been used in the sentences given below. Identify the statements where the word has been used in a contextually and grammatically correct manner. If the word has been used correctly in all the three statements, then mark (e), "All of these", as your answer.

**Q26. INTEREST**

- (i) She developed a keen **interest** in painting during her college years and has since become a talented artist.
  - (ii) The company's new product generated a lot of **interest** among consumers due to its innovative features.
  - (iii) Sarah's **interest** in environmental conservation led her to volunteer at a local wildlife sanctuary.
- (a) both (ii) & (iii)
  - (b) only (i)
  - (c) both (i) & (ii)
  - (d) only (iii)
  - (e) All of these

**Directions (27-30):** Which of the following phrases given below each sentence should replace the phrase printed in bold letters to make the sentence grammatically correct? Choose the best option among the five given alternatives that reflect the correct use of phrase in the context of the grammatically correct sentence. If the sentence is correct as it is, mark (e) i.e., "No correction required" as the answer.

**Q27.** Demand for electronics **is growing of all price segments**, even as the production of these devices entails the use of scarce elements and high emissions.

- (a) is grown over all price segment
- (b) is growing across all price segment
- (c) is growing for all price segments
- (d) is growing across all price segments
- (e) No correction required

**Q28.** The coup-plotters **may have sensed they would get support** from the anti-Erdogan masses and the secular political class.

- (a) may has sensed they would get support
- (b) may have sensed they would get supported
- (c) may has sensed they would get supported
- (d) may have sensed they could get supporting
- (e) No correction required

**Q29.** Although the Constitution doesn't provide for a fixed number of sessions or days of sitting, three **sessions are typical held in each** calendar year.

- (a) session are typically held in each
- (b) sessions are typically held in each
- (c) sessions are typically hold in each
- (d) sessions is typically held in each
- (e) No correction required

**Q30.** The ceiling fan market **are undergoing a churn too, driven by** policy imperatives and a regulation change.

- (a) is undergoing a churn too, driven for
- (b) is undergoing a churn to, driven by
- (c) is undergoing a churn too, driven by
- (d) is undergone a churn too, driven by
- (e) No correction required

**Direction (31 - 36):** निम्नलिखित संख्या श्रृंखला में प्रश्न चिह्न (?) के स्थान पर क्या आएगा ?

**Q31.** 20, 32, 47, 57, 74, ?

- (a) 100
- (b) 96
- (c) 90
- (d) 84
- (e) 80

**Q32.** 32, 40, 53, 76, ?, 172

- (a) 116
- (b) 112
- (c) 114
- (d) 124
- (e) 120

Q33. 40, 66, 116, 198, 320, ?

- (a) 470
- (b) 490
- (c) 510
- (d) 480
- (e) 520

Q34. 80, ?, 117, 168, 271, 478

- (a) 84
- (b) 104
- (c) 96
- (d) 92
- (e) 90

Q35. ?, 161, 228, 299, 372, 451

- (a) 100
- (b) 110
- (c) 90
- (d) 120
- (e) 80

Q36. 500, 50, 10, 3, 1.2 ?

- (a) 0.9
- (b) 0.32
- (c) 0.6
- (d) 0.4
- (e) 0.5

Q37. एक दुकानदार वस्तु P का मूल्य 20% अधिक अंकित करता है और  $d\%$  की छूट देता है, तो उसे  $(d - 11)\%$  की हानि होती है। यदि वस्तु Q का क्रय मूल्य 200 रुपये है और उसे  $1.5d\%$  का लाभ मिलता है, तो वस्तु Q का विक्रय मूल्य ज्ञात कीजिए।

- (a) 335 रुपये
- (b) 305 रुपये
- (c) 300 रुपये
- (d) 345 रुपये
- (e) 330 रुपये

Q38. A ने 11% की दर से 2 वर्ष और 10 दिनों के लिए 20000 रुपये का निवेश चक्रवृद्धि ब्याज पर किया। दो वर्ष बाद उसने जो राशि प्राप्त की उसे उसने समान समय और समान ब्याज दर पर साधारण ब्याज पर निवेश किया। उसे प्राप्त होने वाला अनुमानित साधारण ब्याज ज्ञात कीजिए।

- (a) 5421 रुपये
- (b) 5309 रुपये
- (c) 5390 रुपये
- (d) 5445 रुपये
- (e) 5530 रुपये

Q39. एक कंटेनर में 3:2 के अनुपात में दूध और पानी का मिश्रण है। जब मिश्रण का 75% निकाल लिया जाता है तथा दूध और पानी का 40 लीटर मिश्रण मिलाया जाता है जिसमें 40% दूध होता है, तो परिणामी मिश्रण में दूध कुल मिश्रण का  $44\frac{4}{9}\%$  हो जाता है। प्रारंभिक मिश्रण में दूध की मात्रा ज्ञात कीजिए।

- (a)  $\frac{196}{7}$  लीटर
- (b) इनमें से कोई नहीं
- (c)  $\frac{160}{7}$  लीटर
- (d)  $\frac{192}{7}$  लीटर
- (e)  $\frac{320}{7}$  लीटर

Q40. A, B और C मिलकर  $66\frac{2}{3}\%$  काम को 2 दिनों में पूरा कर सकते हैं तथा A और B मिलकर काम का 30% भाग 3 दिनों में पूरा कर सकते हैं। कुल कार्य का  $4\frac{2}{3}$  भाग पूरा करने में अकेले C द्वारा लिया गया समय ज्ञात कीजिए।

- (a) 20 दिन
- (b) 15 दिन
- (c) 7.5 दिन
- (d) 5 दिन
- (e) 12 दिन

**Directions (41-45):** इनमें से प्रत्येक प्रश्न में दो समीकरण (I) और (II) दिए गए हैं। आपको दोनों समीकरणों को हल करना है और उत्तर देना है।

- (a) यदि  $x > y$
- (b) यदि  $x \geq y$
- (c) यदि  $x < y$
- (d) यदि  $x \leq y$
- (e) यदि  $x = y$  या  $x$  और  $y$  के बीच कोई संबंध स्थापित नहीं किया जा सकता है



Q41. I.  $4x^2 + 20x + 25 = 0$

II.  $2y^2 + 11y + 15 = 0$

- (a) यदि  $x > y$   
(b) यदि  $x \geq y$   
(c) यदि  $x < y$   
(d) यदि  $x \leq y$   
(e) यदि  $x = y$  या  $x$  और  $y$  के बीच कोई संबंध स्थापित नहीं किया जा सकता है

Q42. I.  $3x^2 - 14x + 15 = 0$

II.  $6y^2 - 31y + 18 = 0$

- (a) यदि  $x > y$   
(b) यदि  $x \geq y$   
(c) यदि  $x < y$   
(d) यदि  $x \leq y$   
(e) यदि  $x = y$  या  $x$  और  $y$  के बीच कोई संबंध स्थापित नहीं किया जा सकता है

Q43. I.  $4x^2 - 16x + 16 = 0$

II.  $10y^2 - 29y + 21 = 0$

- (a) यदि  $x > y$   
(b) यदि  $x \geq y$   
(c) यदि  $x < y$   
(d) यदि  $x \leq y$   
(e) यदि  $x = y$  या  $x$  और  $y$  के बीच कोई संबंध स्थापित नहीं किया जा सकता है

Q44. I.  $3x^2 - 37x + 114 = 0$

II.  $3y^2 - 46y + 171 = 0$

- (a) यदि  $x > y$   
(b) यदि  $x \geq y$   
(c) यदि  $x < y$   
(d) यदि  $x \leq y$   
(e) यदि  $x = y$  या  $x$  और  $y$  के बीच कोई संबंध स्थापित नहीं किया जा सकता है



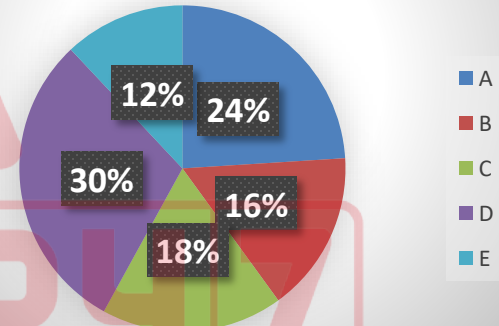
Q45. I.  $2x^2 + 13x - 150 = 0$

II.  $y^2 - 17y + 66 = 0$

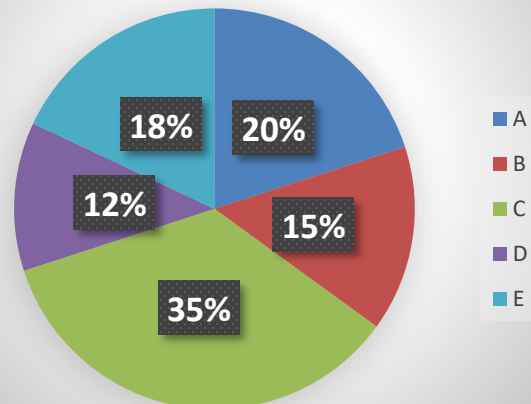
- (a) यदि  $x > y$   
(b) यदि  $x \geq y$   
(c) यदि  $x < y$   
(d) यदि  $x \leq y$   
(e) यदि  $x = y$  या  $x$  और  $y$  के बीच कोई संबंध स्थापित नहीं किया जा सकता है

**Direction (46 - 51):** नीचे दिया गया पाई चार्ट (i) पांच अलग-अलग क्लबों में जाने वाले कुल लोगों (पुरुष + महिला) का प्रतिशत वितरण दर्शाता है और पाई चार्ट (ii) इन पांच क्लबों में जाने वाले कुल पुरुषों का प्रतिशत वितरण दर्शाता है। आंकड़ों को ध्यानपूर्वक पढ़िए और नीचे दिए गए प्रश्नों के उत्तर दीजिए।

(i) कुल लोग (पुरुष + महिला) = 2500



(ii) कुल पुरुष = 1200



**Q46.** क्लब B और C में मिलाकर जाने वाली कुल महिलाएँ, क्लब D में जाने वाले कुल लोगों का कितना प्रतिशत हैं?

- (a) 40%  
(b) 35%  
(c) 36.3%  
(d) 33.33%  
(e) 30%

**Q47.** यदि क्लब F में जाने वाली कुल महिलाएँ, क्लब E में जाने वाली कुल महिलाओं की तुलना में 25% अधिक हैं और क्लब F में जाने वाले लोगों की कुल संख्या, क्लब D में जाने वाले पुरुषों की कुल संख्या का  $\frac{11}{8}$  है, तो क्लब F में जाने वाले कुल पुरुषों का क्लब E में जाने वाले कुल पुरुषों से अनुपात ज्ञात कीजिए।

- (a) 29 : 72  
(b) 31 : 72  
(c) 37 : 72  
(d) 23 : 72  
(e) 25 : 72

**Q48.** क्लब B, E और X में जाने वाली महिलाओं की औसत संख्या 126 है। यदि क्लब X में जाने वाले पुरुषों की कुल संख्या, क्लब A में जाने वाले कुल पुरुषों का 45% है, तो क्लब X में जाने वाले लोगों की कुल संख्या तथा एकसाथ क्लब A और C में जाने वाली महिलाओं की कुल संख्या के बीच अंतर ज्ञात कीजिए।

- (a) 198  
(b) 218  
(c) 208  
(d) 168  
(e) 178

**Q49.** यदि क्लब A, B और E के लिए प्रत्येक विज़िट पास की कीमत क्रमशः 150 रुपये, 200 रुपये और 250 रुपये है, तो इन तीन क्लबों में जाने वाले सभी पुरुषों से अर्जित कुल आय (रुपये में) ज्ञात कीजिए।

- (a) 108000  
(b) 136000  
(c) 126000  
(d) 96000  
(e) 156000

**Q50.** एकसाथ क्लब D और E में जाने वाली महिलाओं की कुल संख्या, एकसाथ क्लब A और B में जाने वाले पुरुषों की कुल संख्या से कितने प्रतिशत अधिक है ?

- (a) 33%  
(b) 48%  
(c) 45%  
(d) 41%  
(e) 43%

**Q51.** क्लब C में 25 वर्ष से अधिक और 25 वर्ष से कम आयु वाले पुरुषों का अनुपात 5: 3 है, जबकि B में 25 वर्ष से अधिक और 25 वर्ष से कम आयु वाली महिलाओं का अनुपात 1:2 है। यदि क्लब C और क्लब B में कुल पुरुष और महिलाएं, जिनकी आयु 25 वर्ष है, क्रमशः 20 और 40 हैं, तो दोनों क्लबों में 25 वर्ष से कम आयु वाले कुल पुरुषों और महिलाओं का योग ज्ञात कीजिए।

- (a) 300  
(b) 320  
(c) 270  
(d) 250  
(e) 210

**Direction (52 - 57):** ) : जानकारी पढ़िए और निम्नलिखित प्रश्नों के उत्तर दीजिए।

तालिका चार विभिन्न शहरों (A, B, C और D) में निजी और सार्वजनिक कंपनियों में काम करने वाले पुरुषों की संख्या तथा निजी और सार्वजनिक कंपनियों में काम करने वाली महिलाओं की संख्या को दर्शाती है।

शहर	निजी कंपनी में पुरुष	सार्वजनिक कंपनी में पुरुष	महिलाएँ (निजी + सार्वजनिक)
A	$15x - 2y$	$y$	55
B	$16x$	16	108
C	$9y$	24	74
D	84	21	85

**नोट -** (i) A में पुरुष कर्मचारियों की संख्या 50 है।

(ii) B और C से निजी कंपनी में काम करने वाले कुल पुरुष 154 हैं।

(iii) किसी भी शहर में कार्यरत कुल कर्मचारी (पुरुष + महिला) = निजी कंपनियां + सार्वजनिक कंपनी

(iv) किसी भी शहर में काम करने वाले पुरुष/महिलाएं = निजी और सार्वजनिक कंपनी में काम करने वाले पुरुषों/महिलाओं का योग

**Q52.** शहर A में, 40% महिलाएँ निजी कंपनी में काम करती हैं, तो A से सार्वजनिक कंपनियों में काम करने वाली महिलाओं का शहर D में काम करने वाले कुल पुरुषों से अनुपात ज्ञात कीजिए।

- (a) 11:35  
(b) 35:11  
(c) 13:11  
(d) 11:13  
(e) इनमें से कोई नहीं



**Q53.** C से सार्वजनिक कंपनी में काम करने वाले पुरुषों और शहर B से निजी कंपनी में काम करने वाली महिलाओं का अनुपात 4:5 है। B से सार्वजनिक कंपनी में काम करने वाली महिलाएँ, शहर A में सार्वजनिक कंपनी में पुरुषों का कितना प्रतिशत है?

- (a) 780%
- (b) 80%
- (c) 180%
- (d) 760%
- (e) 708%

**Q54.** C और F में पुरुष कर्मचारियों की औसत संख्या 200 है। शहर F से कुल कर्मचारियों (निजी और सार्वजनिक) में से 80% महिलाएँ हैं। ज्ञात कीजिए कि F में कुल कर्मचारी, 100y से कितने प्रतिशत कम/अधिक हैं ?

- (a) 360
- (b) 400
- (c) 410
- (d) 430
- (e) 420

**Q55.** सभी शहरों से कुल महिलाओं का 50% निजी कंपनी में काम कर रही हैं। सभी शहरों से सार्वजनिक कंपनी में कार्यरत कुल कर्मचारी (पुरुष + महिला) ज्ञात कीजिए।

- (a) 297
- (b) 250
- (c) 255
- (d) 232
- (e) 231

**Q56.** निम्नलिखित में से किस शहर में निजी कंपनी में काम करने वाले पुरुषों की संख्या, निजी कंपनी में काम करने वाले पुरुषों की औसत संख्या से कम है?

- (a) शहर C
- (b) शहर B
- (c) शहर A
- (d) शहर A और शहर B
- (e) शहर B और शहर C

**Q57.** शहर C में काम करने वाले पुरुष, शहर B में काम करने वाली महिलाओं का लगभग कितना प्रतिशत है?

- (a) 80%
- (b) 190%
- (c) 180%
- (d) 106%
- (e) 70%

**Q58.** जब किसी भिन्न के अंश में 4 जोड़ा जाता है और हर में से 10 घटाया जाता है, तो भिन्न  $\frac{8}{11}$  से  $\frac{3}{4}$  में बदल जाती है। हम भिन्न के अंश और हर में से क्रमशः 4 और 10 घटाते हैं, तो नई भिन्न ज्ञात कीजिए।

- (a)  $\frac{178}{244}$
- (b)  $\frac{184}{243}$
- (c)  $\frac{126}{254}$
- (d)  $\frac{168}{254}$
- (e)  $\frac{208}{254}$

**Q59.** एक नाव द्वारा धारा के अनुकूल और धारा के विपरीत दूरी तय करने में लिए गए समय का अनुपात 3:5 है। यदि नाव धारा के अनुकूल 90 किमी की दूरी t घंटे में और धारा के विपरीत 72 किमी की दूरी (t+1) घंटे में तय करती है, तो नाव की धारा के अनुकूल चाल (किमी/घंटा में) ज्ञात कीजिए।

- (a) 20
- (b) 36
- (c) 24
- (d) 30
- (e) 18

**Q60.** 240 मीटर लंबी ट्रेन एक खंभे को x सेकंड में पार करती है, जबकि ट्रेन 360 मीटर लंबे प्लेटफॉर्म को x+9 सेकंड में पार कर सकती है। 36 किमी/घंटा की चाल से ट्रेन की दिशा में दौड़ रहे एक कुत्ते को पार करने में ट्रेन द्वारा लिया गया समय ज्ञात कीजिए।

- (a) x सेकंड
- (b) 2x सेकंड
- (c) x+2 सेकंड
- (d) x-1 सेकंड
- (e) x+3 सेकंड

**Q61.** दो स्थितियों, जिनमें से पहली स्थिति में आयत की लंबाई 4 सेमी कम कर दी जाती है और दूसरी स्थिति में मूल आयत की चौड़ाई 4 सेमी बढ़ा दी जाती है, में एक आयत के क्षेत्रफलों के बीच अंतर का आयत के क्षेत्रफल से अनुपात 4:9 है। परिमाण के संख्यात्मक मान और आयत के क्षेत्रफल का अनुपात ज्ञात कीजिए।

- (a) 2 : 7
- (b) 2 : 5
- (c) 2 : 11
- (d) 2 : 9
- (e) इनमें से कोई नहीं

**Q62.** A और B ने क्रमशः 5X रुपये और 5X-400 रुपये के निवेश के साथ एक व्यवसाय शुरू किया। छह महीने के बाद, B ने 200 रुपये मिलाए और वर्ष के अंत में 1110 रुपये के कुल लाभ में से B को प्राप्त लाभ 510 रुपये है। X का मान ज्ञात कीजिए।

- (a) 300
- (b) 600
- (c) 500
- (d) 200
- (e) 400

**Q63.** A अपने मासिक वेतन का 20% घर के किराए पर और शेष मासिक वेतन का 25% यात्रा पर खर्च करता है। वह अपना शेष मासिक वेतन क्रमशः 3:5 के अनुपात में भोजन और बच्चों की शिक्षा पर खर्च करता है। यदि बच्चों की शिक्षा और घर के किराए पर खर्च की गई राशि के बीच का अंतर 700 रुपये है, तो A का मासिक वेतन (रुपये में) ज्ञात कीजिए।

- (a) 2500
- (b) 4000
- (c) 4500
- (d) 5000
- (e) 2000

**Q64.** एक व्यक्ति की उम्र  $(3p+2q)$  साल है और उसके इकलौते बेटे की उम्र 'p' साल है जबकि उसकी इकलौती बेटी की उम्र 'q' साल है। व्यक्ति का बेटा अपनी बहन से तीन साल बड़ा है। यदि व्यक्ति की पत्नी अपने 34 वर्ष के पति से पांच वर्ष छोटी है, तो परिवार की औसत आयु ज्ञात कीजिए। (वर्ष में)

- (a) 14.5
- (b) 19.0
- (c) 16.5
- (d) 22.5
- (e) 20.5

**Q65.** एक बर्तन में दूध और पानी का 79.99 लीटर मिश्रण है जिसमें दूध पानी से 50% अधिक है। 20.03 लीटर मिश्रण निकाल लिया जाता है और शेष मिश्रण में दूध और पानी का 59.99 लीटर मिश्रण बर्तन में मिला दिया जाता है। यदि परिणामी मिश्रण में दूध पानी से दोगुना हो जाता है, तो मिलाए गए पानी की अनुमानित मात्रा (लीटर में) ज्ञात कीजिए।

- (a) 32
- (b) 44
- (c) 16
- (d) 30
- (e) 28

**Direction (66-70):** दिए गए प्रश्नों के उत्तर देने के लिए निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए।

आठ व्यक्ति- A, B, C, D, E, F, G, और H एक वर्गाकार मेज के इर्द-गिर्द इस प्रकार बैठे हैं कि चार व्यक्ति अंदर की ओर मुख करके मेज के मध्य में बैठे हैं। चार व्यक्ति बाहर की ओर मुख करके मेज के कोनों पर बैठे हैं।

G, C के बाएं दूसरे स्थान पर बैठा है। D और B के बीच तीन व्यक्ति बैठे हैं। H, A के विपरीत बैठा है लेकिन मेज के मध्य में नहीं बैठा है। D, A के बायें से दूसरे स्थान पर बैठा है। F, C के दायें से दूसरे स्थान पर बैठा है। E, B के ठीक दायें बैठा है।

**Q66.** निम्नलिखित पांच में से चार एक निश्चित तरीके से समान हैं और इस प्रकार एक समूह बनाते हैं। निम्नलिखित में से कौन समूह से संबंधित नहीं है?

- (a) F
- (b) E
- (c) A
- (d) G
- (e) C

**Q67.** G और F के बीच कितने व्यक्ति बैठे हैं?

- (a) पांच
- (b) तीन
- (c) एक
- (d) दो
- (e) इनमें से कोई नहीं

**Q68.** B के बायीं ओर छठे स्थान पर कौन बैठा है?

- (a) D
- (b) A
- (c) G
- (d) H
- (e) इनमें से कोई नहीं

**Q69.** D के ठीक दाएं कौन बैठा है?

- (a) G
- (b) C
- (c) F
- (d) A
- (e) इनमें से कोई नहीं

**Q70.** H के बायीं ओर दूसरे स्थान पर कौन बैठा है?

- (a) B
- (b) C
- (c) A
- (d) F
- (e) इनमें से कोई नहीं

**Directions (71-73):** नीचे दिए गए प्रत्येक प्रश्न में कुछ कथन और उसके बाद कुछ निष्कर्ष दिए गए हैं। आपको दिए गए कथनों को सत्य मानना है, भले ही वे सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होते हों। सभी निष्कर्षों को पढ़िए और फिर तय कीजिए कि दिए गए निष्कर्षों में से कौन-सा निष्कर्ष सामान्य ज्ञात तथ्यों को नजरअंदाज करते हुए दिए गए कथनों का तार्किक रूप से अनुसरण करता है।

**Q71. कथन:** सभी गेट पार्क हैं  
केवल कुछ पार्क रोड हैं  
सभी रोड सबवे हैं

**निष्कर्ष:** I. कोई गेट सबवे नहीं है  
II. कुछ पार्क रोड नहीं हैं

- (a) यदि केवल I अनुसरण करता है  
(b) यदि केवल II अनुसरण करता है  
(c) यदि न तो I और न ही II अनुसरण करता है  
(d) यदि या तो I या II अनुसरण करता है  
(e) यदि I और II दोनों अनुसरण करते हैं

**Q72. कथन:** कोई साबुन पेन नहीं है  
केवल कुछ साबुन इरेज़र हैं  
केवल कुछ इरेज़र क्लिप हैं

**निष्कर्ष:** I. कुछ इरेज़र पेन हैं  
II. कुछ क्लिप साबुन नहीं हैं

- (a) यदि केवल I अनुसरण करता है  
(b) यदि केवल II अनुसरण करता है  
(c) यदि न तो I और न ही II अनुसरण करता है  
(d) यदि या तो I या II अनुसरण करता है  
(e) यदि I और II दोनों अनुसरण करते हैं

**Q73. कथन:** कुछ जिराफ़ कंगारू हैं  
सभी कछुए जिराफ़ हैं  
सभी सील कंगारू हैं

**निष्कर्ष:** I. कुछ कछुए कंगारू हैं  
II. सभी जिराफ़ सील हो सकते हैं

- (a) यदि केवल I अनुसरण करता है  
(b) यदि केवल II अनुसरण करता है  
(c) यदि न तो I और न ही II अनुसरण करता है  
(d) यदि या तो I या II अनुसरण करता है  
(e) यदि I और II दोनों अनुसरण करते हैं

**Directions (74):** दिए गए प्रश्नों के उत्तर देने के लिए निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए।  
निश्चित कूट भाषा में:

“All the time” को “2 1 4” के रूप में कूटबद्ध किया गया है  
“The way home” को “7 8 2” के रूप में कूटबद्ध किया गया है

“Home is far” को “3 5 8” के रूप में कूटबद्ध किया गया है

**Q74.** “Way” शब्द का कूट क्या है?

- (a) 7  
(b) 8  
(c) 2  
(d) 3  
(e) इनमें से कोई नहीं

**Q75.** यदि शब्द “INTERCHANGE” के चौथे, पांचवें, आठवें और दसवें अक्षर से प्रत्येक अक्षर का केवल एक बार उपयोग करके केवल एक सार्थक शब्द बनाना संभव है, तो शब्द का अंतिम अक्षर क्या होगा? यदि ऐसा कोई सार्थक शब्द नहीं बन सकता है तो उत्तर “X” होगा और यदि एक से अधिक ऐसे सार्थक शब्द बन सकते हैं तो उत्तर “Z” होगा?

- (a) E  
(b) X  
(c) A  
(d) R  
(e) Z

**Directions (76-80):** निम्नलिखित व्यवस्था का ध्यानपूर्वक अध्ययन कीजिए और नीचे दिए गए प्रश्नों के उत्तर दीजिए।

पांच बॉक्स A, B, C, D और E को एक ढेर में एक के ऊपर एक करके रखा गया है लेकिन जरूरी नहीं कि इसी क्रम में रखा गया हो। प्रत्येक बॉक्स में अलग-अलग फल यानी संतरा, आम, सेब, केला और अमरूद हैं लेकिन जरूरी नहीं कि इसी क्रम में हों।

E और आम वाले बॉक्स के बीच एक बॉक्स का अंतर है। संतरे और केले वाले बॉक्स के बीच दो बॉक्स का अंतर है। सेब वाला बॉक्स केले वाले बॉक्स के ठीक नीचे रखा गया है। E और B के बीच दो बॉक्स का अंतर है तथा B में केले हैं। बॉक्स A को बॉक्स C के ठीक ऊपर रखा गया है।

**Q76.** बॉक्स E के ठीक नीचे निम्नलिखित में से कौन-सा बॉक्स रखा गया है?

- (a) A  
(b) B  
(c) D  
(d) C  
(e) इनमें से कोई नहीं

Q77. बॉक्स E और बॉक्स D के बीच कितने बॉक्स रखे गए हैं?

- (a) एक
- (b) दो
- (c) कोई नहीं
- (d) तीन
- (e) इनमें से कोई नहीं

Q78. निम्नलिखित में से किस बॉक्स में अमरूद है?

- (a) B
- (b) A
- (c) D
- (d) C
- (e) E

Q79. अमरूद और सेब वाले बॉक्स के बीच कितने बॉक्स रखे गए हैं?

- (a) तीन
- (b) चार
- (c) एक
- (d) दो
- (e) इनमें से कोई नहीं

Q80. निम्नलिखित में से किस बॉक्स में सेब है?

- (a) D
- (b) A
- (c) B
- (d) C
- (e) E

**Directions (81-83):** निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए और नीचे दिए गए प्रश्नों के उत्तर दीजिए।

बिंदु A, बिंदु B से 11 मीटर की दूरी पर पश्चिम में है। बिंदु C, बिंदु B से 8 मीटर की दूरी पर दक्षिण में है। बिंदु C, बिंदु J से 1 मीटर की दूरी पर पश्चिम में है। बिंदु J, बिंदु H से 12 मीटर की दूरी पर दक्षिण में है। बिंदु D, बिंदु J से 11 मीटर की दूरी पर पूर्व में है। बिंदु E, बिंदु D से 6 मीटर की दूरी पर दक्षिण में है। बिंदु F, बिंदु E से 17 मीटर की दूरी पर पश्चिम में है। बिंदु G, बिंदु F के उत्तर में और बिंदु H के पश्चिम में है।

Q81. बिंदु G और बिंदु F के बीच की न्यूनतम दूरी क्या हो सकती है?

- (a) 17 मीटर
- (b) 18 मीटर
- (c) 19 मीटर
- (d) 21 मीटर
- (e) इनमें से कोई नहीं

Q82. बिंदु D के सापेक्ष में बिंदु F की दिशा क्या है?

- (a) दक्षिण
- (b) उत्तर
- (c) दक्षिण-पश्चिम
- (d) उत्तर-पूर्व
- (e) इनमें से कोई नहीं

Q83. बिंदु E के सापेक्ष में बिंदु G की दिशा क्या है?

- (a) उत्तर
- (b) पश्चिम
- (c) उत्तर-पश्चिम
- (d) दक्षिण-पश्चिम
- (e) इनमें से कोई नहीं

**Directions (84-88):** निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए और नीचे दिए गए प्रश्नों के उत्तर दीजिए।

छह व्यक्ति यानी R, T, P, U, S और Q एक ही वर्ष के तीन अलग-अलग महीनों अर्थात् मई, जून और जुलाई की दो अलग-अलग तारीखों यानी 9 और 26 को अलग-अलग राज्यों यानी दिल्ली, सिक्किम, ओडिशा, गोवा, केरल और असम की यात्रा करते हैं लेकिन जरूरी नहीं कि इसी क्रम में करते हों।

P और दिल्ली की यात्रा करने वाले व्यक्ति के बीच एक व्यक्ति यात्रा करता है। वह व्यक्ति जो दिल्ली की यात्रा करता है, वह न तो सम दिनों वाले महीने में और न ही सम तारीख को यात्रा करता है। वह व्यक्ति जो दिल्ली की यात्रा करता है और वह व्यक्ति जो गोवा की यात्रा करता है, यात्रा करने वाला पहला व्यक्ति नहीं है। दो व्यक्ति T और U के बीच यात्रा करते हैं तथा U गोवा की यात्रा करता है। T, P के बाद यात्रा करता है। जो व्यक्ति ओडिशा की यात्रा करता है, वह S के ठीक पहले यात्रा करता है। केरल की यात्रा करने वाले व्यक्ति और असम की यात्रा करने वाले व्यक्ति के बीच दो व्यक्ति यात्रा करते हैं। U, असम की यात्रा करने वाले व्यक्ति के ठीक बाद यात्रा नहीं करता है। Q और S के बीच यात्रा करने वाले व्यक्तियों की संख्या, R से पहले यात्रा करने वाले व्यक्तियों की संख्या से एक अधिक है।



**Q84.** जून माह में कौन यात्रा करता है?

- (a) वह व्यक्ति जो असम की यात्रा करता है
- (b) Q
- (c) T
- (d) वह व्यक्ति जो सिक्किम की यात्रा करता है
- (e) इनमें से कोई नहीं

**Q85.** निम्नलिखित में से कौन-सा व्यक्ति 26 जून को यात्रा करता है?

- (a) T
- (b) Q
- (c) R
- (d) S
- (e) इनमें से कोई नहीं

**Q86.** ओडिशा की यात्रा करने वाले व्यक्ति के बाद कितने व्यक्ति यात्रा करते हैं?

- (a) एक
- (b) तीन
- (c) दो
- (d) चार
- (e) इनमें से कोई नहीं

**Q87.** निम्नलिखित में से कौन-सा व्यक्ति सिक्किम की यात्रा करता है?

- (a) T
- (b) S
- (c) P
- (d) Q
- (e) इनमें से कोई नहीं

**Q88.** निम्नलिखित में से कौन-सा/से संयोजन सही है/हैं?

- (a) R - गोवा
- (b) P-असम
- (c) S - असम
- (d) R-सिक्किम
- (e) सभी सत्य हैं

**Q89.** 'ASPIRING' शब्द में अक्षरों के ऐसे कितने युग्म हैं, जिनमें से शब्द में प्रत्येक के बीच उतने ही अक्षर हैं जितने उनके बीच अंग्रेजी वर्णमाला में (आगे और पीछे दोनों दिशाओं में) होते हैं?

- (a) तीन
- (b) चार
- (c) एक
- (d) दो
- (e) इनमें से कोई नहीं

**Directions (90-94):** निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए और नीचे दिए गए प्रश्नों के उत्तर दीजिए।

नौ व्यक्ति L, N, O, P, Q, W, Y, V और Z तीन अलग-अलग शहरों- बार्सिलोना, देहरादून और टेक्सास में रहते हैं लेकिन जरूरी नहीं कि इसी क्रम में रहते हों।

Q, V के साथ रहता है लेकिन न तो टेक्सास में और न ही देहरादून में रहता है। P केवल Z के साथ रहता है लेकिन टेक्सास में नहीं रहता है। W, V के साथ नहीं रहता है। N न तो Y के साथ रहता है और न ही देहरादून में रहता है। O या तो देहरादून या टेक्सास में रहता है। N टेक्सास में नहीं रहता है। बार्सिलोना में विषम संख्या में व्यक्ति रहते हैं। O, L के साथ रहता है।

**Q90.** व्यक्तियों में से कौन W के साथ रहता है?

- (a) N
- (b) Q
- (c) Y
- (d) Z
- (e) इनमें से कोई नहीं

**Q91.** O किस शहर में रहता है?

- (a) बार्सिलोना
- (b) देहरादून
- (c) टेक्सास
- (d) या तो टेक्सास या देहरादून
- (e) उपरोक्त में से कोई नहीं

**Q92.** टेक्सास में कितने व्यक्ति रहते हैं?

- (a) तीन
- (b) पांच
- (c) दो
- (d) चार
- (e) उपरोक्त में से कोई नहीं

**Q93.** W के साथ कौन नहीं रहता है?

- (a) O
- (b) Q
- (c) Y
- (d) L
- (e) उपरोक्त में से कोई नहीं

**Q94.** निम्नलिखित में से कौन-सा कथन सत्य है?

- I. Q और Y एक ही शहर में रहते हैं
  - II. Y, W के साथ रहता है
  - III. टेक्सास में दो से अधिक व्यक्ति रहते हैं
- (a) II और III दोनों
  - (b) केवल I
  - (c) I और II दोनों
  - (d) केवल III
  - (e) I और III दोनों

**Directions (95-97):** इस प्रश्न में, विभिन्न तत्वों के बीच संबंध को कथनों में दर्शाया गया है। कथनों के बाद निष्कर्ष दिए गए हैं। दिए गए कथन के आधार पर निष्कर्षों का अध्ययन कीजिए और उचित उत्तर का चयन कीजिए।

**Q95. कथन:**  $U > I \leq L \leq O$ ;  $R < T \leq Y > E$ ;  $X > Y > O \leq B$

**निष्कर्ष:** I.  $I < X$  II.  $R > U$

- (a) यदि केवल निष्कर्ष I सत्य है  
 (b) यदि केवल निष्कर्ष II सत्य है  
 (c) यदि निष्कर्ष I या II सत्य है  
 (d) यदि न तो निष्कर्ष I और न ही II सत्य है  
 (e) यदि निष्कर्ष I और II दोनों सत्य हैं

**Q96. कथन:**  $7 > 5 < 9 \geq 3$ ;  $4 > 5 \geq 0 < 2$ ;  $6 > 8 \leq 4 > 1$

**निष्कर्ष:** I.  $7 > 6$  II.  $1 > 2$

- (a) यदि केवल निष्कर्ष I सत्य है  
 (b) यदि केवल निष्कर्ष II सत्य है  
 (c) यदि निष्कर्ष I या II सत्य है  
 (d) यदि न तो निष्कर्ष I और न ही II सत्य है  
 (e) यदि निष्कर्ष I और II दोनों सत्य हैं

**Q97. कथन:**  $M \leq O > T > R > E$ ;  $N = H \leq R > K < U$

**निष्कर्ष:** I.  $E > N$  II.  $H \geq E$

- (a) यदि केवल निष्कर्ष I सत्य है  
 (b) यदि केवल निष्कर्ष II सत्य है  
 (c) यदि निष्कर्ष I या II सत्य है  
 (d) यदि न तो निष्कर्ष I और न ही II सत्य है  
 (e) यदि निष्कर्ष I और II दोनों सत्य हैं

**Directions (98-100):** दिए गए प्रश्नों के उत्तर देने के लिए निम्नलिखित जानकारी का ध्यानपूर्वक अध्ययन कीजिए।

एक पंक्ति में निश्चित संख्या में व्यक्ति उत्तर की ओर मुख करके बैठे हैं। Q और P के बीच दो व्यक्ति बैठे हैं। P, L के बाईं ओर तीसरे स्थान पर बैठा है। B, L के आसन्न बैठा है। B और Q के बीच चार व्यक्ति बैठे हैं तथा Q, D के ठीक दाईं ओर बैठा है। Q और P के बीच बैठे व्यक्तियों की संख्या, R और Q के बीच बैठे व्यक्तियों की संख्या से एक अधिक है। S, R के बाएं से दूसरे

स्थान पर बैठा है। S और E के बीच दो व्यक्ति बैठे हैं। E और S के बीच बैठे व्यक्तियों की संख्या, E के बायीं ओर बैठे व्यक्तियों की संख्या के समान है। K अंतिम छोर पर बैठा है और L से दो स्थान दूर है।

**Q98.** पंक्ति के सबसे दाएँ छोर पर कौन बैठा है?

- (a) P  
 (b) K  
 (c) R  
 (d) D  
 (e) S

**Q99.** B और E के बीच कितने व्यक्ति बैठे हैं?

- (a) 11  
 (b) 12  
 (c) 17  
 (d) 14  
 (e) इनमें से कोई नहीं

**Q100.** पंक्ति में कितने व्यक्ति बैठे हैं?

- (a) 17  
 (b) 19  
 (c) 18  
 (d) 16  
 (e) इनमें से कोई नहीं



## Solutions

**S1. Ans.(c)**

**Sol.** The correct answer is: “Global mobility restrictions and economic activity declination due to lockdown”.

The passage explicitly states that greenhouse gas emissions decreased in 2020 due to lockdowns in the first half of the year, which restricted global

mobility and hampered economic activity. For better understanding, refer to the first sentence of the passage, “Emissions of carbon dioxide and other greenhouse gases plunged 4.6 percent in 2020, as lockdowns in the first half of the year restricted global mobility and hampered economic activity”.

Information given in other options are incorrect as they do not align with the information presented in the passage.

(a) **Reduced emissions from manufacturing and energy sectors:** This option is not supported by the passage. The passage does mention that emissions from manufacturing and the energy sectors contributed to recent global increases in greenhouse gas emissions, but it does not indicate that these emissions decreased in 2020.

(b) **The introduction of global policy over capping greenhouse gas emission by 30%:** There is no mention of such a global policy in the passage. Therefore, this option is not supported by the information provided.

(d) **Increased use of renewable energy sources:** There is no mention in the passage that the decrease in emissions in 2020 was primarily due to increased use of renewable energy sources. While renewable energy sources are beneficial for reducing emissions, this specific cause is not mentioned.

(e) **The emergence of the Climate Change Indicators Dashboard:** The Climate Change Indicators Dashboard is mentioned in the passage, but it is not cited as a reason for the decrease in emissions in 2020. Therefore, this option is not supported by the passage.

### S2. Ans.(c)

**Sol.** The correct answer is: **“They cause changes in the atmosphere, land, and oceans”.**

The passage explicitly states that greenhouse gas emissions from human activities lead to many changes around the world, including in the atmosphere, on land, and in the oceans. For better understanding, refer to the first sentence of the second paragraph, *“As greenhouse gas emissions from human activities increase, they build up in the atmosphere and warm the climate, leading to many other changes around the world—in the atmosphere, on land, and in the oceans.”*

Information given in other options are incorrect as they do not align with the information presented in the passage.

(a) **They lead to increased atmospheric humidity:** The passage does not mention anything about greenhouse gas emissions leading to increased atmospheric humidity. Therefore, this option is not supported by the passage.

(b) **They reduce atmospheric warming:** This option is not supported by the passage either. Greenhouse gas emissions, as mentioned in the passage, lead to atmospheric warming and contribute to global climate change. They do not reduce atmospheric warming.

(d) **They only affect the atmosphere:** This option is contradicted by the information in the passage. The passage makes it clear that greenhouse gas emissions have widespread impacts, not limited to the atmosphere alone.

(e) **Their impact on climate is minuscule and cannot be judged effectively:** The passage does not suggest that the impact of greenhouse gas emissions on climate is minuscule or impossible to judge. In fact, the passage emphasizes the importance of reducing emissions to limit atmospheric warming, indicating that their impact is significant.

### S3. Ans.(b)

**Sol.** The correct answer is: **“Monitoring the transition to lower carbon use”.**

The passage mentions that the IMF's Climate Change Indicators Dashboard is a joint effort among national and international statistical organizations to provide timely data to help monitor the transition to lower carbon use. It plays a role in monitoring progress toward reducing carbon emissions. For better understanding, refer to the last statement of the first paragraph, *“Emissions from the manufacturing and the energy sectors contributed the most to recent global increases based on updated information from the IMF's Climate Change Indicators Dashboard—a joint effort among national and*

*international statistical organizations to provide timely data to help monitor the transition to lower carbon use.”*

The other options are not mentioned in the passage as the purpose of IMF's Climate Change Indicators Dashboard, thus cannot be taken as the answer choice.

(a) **Providing funding for renewable energy projects:** This is not mentioned in the passage. The role of the IMF's Climate Change Indicators Dashboard is about monitoring and providing data, not funding projects.

(c) **Assessing the effectiveness of public health measures:** While public health measures are mentioned in the passage, there is no indication that the IMF's Dashboard is responsible for assessing their effectiveness. Its primary role is related to carbon emissions.

(d) **Predicting future global mobility trends:** The passage mentions global mobility restrictions due to the pandemic but does not suggest that the IMF's Dashboard predicts future mobility trends. Its focus is on carbon emissions data.

(e) **Advocating for stricter emissions regulations:** The passage does not mention advocacy or lobbying activities by the IMF's Dashboard. Its role is primarily data-driven and monitoring-based, rather than advocating for policies.

**S4. Ans.(d)**

**Sol.** The correct answer is: **“It reduces the risk of severe climate impacts”.**

The passage mentions that limiting atmospheric warming to around 1.5 degrees Celsius is significant because it reduces the risk of severe climate impacts. This aligns with the passage's message that time is running out, and urgent action is needed to limit atmospheric warming. For better understanding, refer to the last paragraph where it is mentioned, **“The Intergovernmental Panel on Climate Change has said that, in the scenarios they assessed, limiting atmospheric warming to the key level of around 1.5 degrees Celsius requires global**

**greenhouse gas emissions to peak by 2025 at the latest, emphasizing that achieving this milestone is a crucial step towards controlling the severity of climate change.”**

Information given in other options are incorrect as they do not align with the information presented in the passage.

(a) **It prevents all climate-related changes:**

The passage does not suggest that limiting atmospheric warming to 1.5 degrees Celsius prevents all climate-related changes

(b) **It ensures immediate reductions in emissions:**

The passage does not mention that limiting atmospheric warming to 1.5 degrees Celsius ensures immediate reductions in emissions. The emphasis is on the need to reduce emissions to achieve this goal, but it does not guarantee immediacy.

(c) **It avoids the need for future climate action:**

This option is not supported by the passage. The passage does not suggest that limiting warming to 1.5 degrees Celsius eliminates the need for future climate action; it highlights the urgency of bending the emissions curve to achieve this goal.

(e) **It guarantees economic growth:**

The passage does not suggest that limiting warming to 1.5 degrees Celsius guarantees economic growth. It focuses on the environmental and climate-related aspects of the issue rather than economic growth.

**S5. Ans.(e)**

**Sol.** The correct answer is: **“Urgent action is needed to reduce emissions and limit atmospheric warming”.**

The passage's overarching message is that urgent action is needed to bend the emissions curve and achieve necessary reductions in greenhouse gas emissions to limit atmospheric warming. It underscores the urgency of addressing climate change.

Information given in other options are incorrect as they do not align with the information presented in the passage.



(a) **The world is on track to achieve the necessary reductions in emissions:**

This option is not supported by the passage. The passage indicates that greenhouse gas emissions have increased above pre-pandemic levels, suggesting that the world is not currently on track to achieve necessary reductions.

(b) **The Climate Change Indicators Dashboard is the sole solution to climate change:**

The passage mentions about the Climate Change Indicators Dashboard but does not suggest that it is the sole solution to climate change. This option oversimplifies the issue and is not supported by the passage.

(c) **Greenhouse gas emissions have no significant impact on climate:**

This option is contradicted by the passage. The passage clearly states that greenhouse gas emissions from human activities lead to various changes around the world, affecting the atmosphere, land, and oceans. It acknowledges the significant impact of emissions on the climate.

(d) **Economic growth is more important than addressing climate change:**

The passage does not convey the message that economic growth is more important than addressing climate change. Instead, it emphasizes the urgent need to reduce emissions to limit atmospheric warming, indicating the importance of addressing climate change.

**S6. Ans.(c)**

**Sol.** The correct answer is: **“The pandemic caused a temporary decrease in emissions”.**

The passage mentions that greenhouse gas emissions decreased in 2020 due to lockdowns in the first half of the year. This suggests a temporary decrease associated with the pandemic.

Information given in other options are incorrect as they do not align with the information presented in the passage.

(a) **The pandemic had no impact on greenhouse gas emissions:**

This option is not supported by the passage. The passage clearly states that greenhouse gas emissions decreased in 2020 due to lockdowns, which were a response to the pandemic. Therefore, the pandemic did have an impact on emissions.

(b) **The pandemic led to an increase in emissions:**

This option is contradicted by the passage. The passage mentions that greenhouse gas emissions plunged in 2020 due to lockdowns, indicating a decrease in emissions during the pandemic.

(d) **The pandemic gave a significant time to construct a proper plan to curb greenhouse gas emissions:**

The passage does not provide information about the pandemic giving time to construct a proper plan to curb emissions. This option is not supported by the passage.

(e) **The pandemic accelerated emissions from the manufacturing sector:**

The passage does not mention the pandemic accelerating emissions from the manufacturing sector. This option is not supported by the passage.

**S7. Ans.(d)**

**Sol.** The synonym for "curve" as highlighted in the given passage is: **“trajectory”.**

A trajectory refers to the path followed by an object moving through space, and in the context of the passage, "curve" likely refers to the trajectory of greenhouse gas emissions.



Incorrect options:

(a) **loop:** A "loop" typically refers to a shape formed by a curve that bends and curves back on itself, often in a circular or oval manner. While a loop involves curves, it doesn't necessarily capture the idea of a continuous and gradual change in direction, as the word "curve" does in the context of the passage.

(b) **pendulous:** "Pendulous" describes something hanging loosely and swinging, often in a curved or arc-like motion. While "pendulous" relates to movement and curves, it doesn't directly convey the idea of a curve as a graphical representation or a continuous, smooth change in direction.

(c) **spiral:** A "spiral" is a shape or pattern characterized by a continuous and gradually expanding curve that winds around a central point or axis. This term does not align with the idea of a curve, especially one that is continuous and evolving.

(e) **abaft:** "Abaft" is a nautical term that refers to a location on a ship, specifically toward the rear or stern. It does not relate to the concept of a curve or the way "curve" is used in the passage.

#### S8. Ans.(a)

**Sol.** The antonym for "build" as highlighted in the given passage is: "**demolish**".

"Demolish" means to destroy or tear down, which is the opposite of "build," which means to construct or create.

Incorrect options:

(b) **rejig:** "Rejig" is not a direct antonym of "build." It means to reorganize or make changes to something, often without completely destroying it. While it can involve altering existing structures or systems, it does not inherently mean to completely tear down or eliminate as "demolish" does.

(c) **extraction:** "Extraction" refers to the process of removing something, often from its source or environment. It is not a direct antonym of "build" because it does not necessarily involve destroying or tearing down, which is the opposite action implied by "demolish."

(d) **malign:** "Malign" means to speak critically or harmfully about something or someone. It is not directly related to the concept of building or construction, so it is not an antonym of "build."

(e) **squeeze:** "Squeeze" typically refers to applying pressure to compress or reduce the size or volume of something. While it doesn't directly relate to the concept of construction or building, it also does not represent the opposite action of building or constructing.

#### S9. Ans.(a)

**Sol.** The error in **Part (A)** is the subject-verb agreement. The word "nimity" is a singular noun, so the verb "were" should be changed to the singular form "was" to match. To make the sentence grammatically correct, the word "were" should be replaced with "**was**".

The other parts of the sentence are grammatically correct.

Therefore, the correct sentence would be: "A nimity of food **was** spread over the tables and was way more than any one group of people could eat."

#### S10. Ans.(b)

**Sol. Part (B)** has a grammatical error. The correct form is "guided the vessel" instead of "guide the vessel." The verb should be in the past tense to match the context of the sentence. To make the sentence grammatically correct, the word "guide" should be replaced with "**guided**".

The other parts of the sentence are grammatically correct.

Therefore, the correct sentence would be: "The skipper of the boat **guided** the vessel through the storm and made it safely into the port."

#### S11. Ans.(d)

**Sol. Part (D)** has a grammatical error. The correct form is "others are afraid to do" instead of "others are afraid to does." The verb "does" should be in the base form after the preposition "to" to form the infinitive phrase. To make the sentence grammatically correct, the word "does" should be replaced with "**do**".

The other parts of the sentence are grammatically correct.

Therefore, the correct sentence would be: "Spunky and full of spirit, the little girl is known for always doing things that others are afraid to **do**."

### S12. Ans.(c)

**Sol. Part (C)** has a grammatical error. The verb "tell" should be in the singular form "tells" to agree with the singular subject "conductor." To make the sentence grammatically correct, the word "tell" should be replaced with "**tells**".

The other parts of the sentence are grammatically correct.

Therefore, the correct sentence would be: "The cell's nucleus is like the conductor of a huge opera who **tells** all the performers what to do."

### S13. Ans.(b)

**Sol. Part (B)** has a grammatical error. The verb "is" should be changed to "are" to agree with the plural subject "police." To make the sentence grammatically correct, the word "is" should be replaced with "**are**".

The other parts of the sentence are grammatically correct.

Therefore, the correct sentence would be: "To avoid a calamity, the police **are** asking everyone to move away from the burning building."

### S14. Ans.(d)

**Sol.** Among the highlighted words, "rugged" and "typical" are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is **A-C**. The word "**rugged**" should be replaced with "**typical**" as the given statement is saying that a typical ceiling fan uses the time-tested induction motor, which is rugged but may have limits on energy performance.

So, the correct sentence after rearrangement of words would be, "A **typical** ceiling fan uses the time-tested **induction** motor, which is **rugged** but may have **limits** on **energy** performance."

### S15. Ans.(d)

**Sol.** Among the highlighted words, "choices" and "nudges" are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is **E-A**. The word "**choices**" should be replaced with "**nudges**" as the given statement is saying that in behavioural economics, nudges are interventions that influence people's choices to make certain decisions without restricting the choices available to them.

So, the correct sentence after rearrangement of words would be, "In behavioural economics, **nudges** are **interventions** that influence people's choices to make certain **decisions** without **restricting** the **choices** available to them."

### S16. Ans.(c)

**Sol.** Among the highlighted words, "buried" and "pressing" are incorrectly placed. The correct combination of words that should replace each other in order to make the sentence grammatically and contextually correct is **B-D**. The word "**buried**" should be replaced with "**pressing**" as the given statement is saying that single-use plastics have emerged as one of the world's most pressing environmental threats, with vast amounts of waste buried in landfills or dumped untreated in rivers and oceans.

So, the correct sentence after rearrangement of words would be, "Single-use plastics have **emerged** as one of the world's most **pressing** environmental **threats**, with vast amounts of waste **buried** in landfills or **dumped** untreated in rivers and oceans."



**S17. Ans.(e)**

**Sol.** The correct sequence of the given sentences to form a meaningful paragraph is **AECDBF**. Here's the explanation for the sequence:

**(A) "Artificial intelligence and robotics are very recent technologies and risks for our world."** This sentence introduces the topic of artificial intelligence and robotics as recent technologies and potential risks to the world.

**(E) "They are developing their capacity dramatically and shifting their origins of developing intention to other dimensions."** Sentence E provides information about the rapid development and changing intentions of artificial intelligence and robotics.

**(C) "When humans see the past histories of AI and robotics, human beings can examine and understand the objectives and intentions of them to make life easy and assist human beings within different circumstances and situations."** Sentence C suggests that examining the past histories of AI and robotics can help humans understand their objectives and intentions in various situations.

**(D) "However, currently and in the near future, due to the change in the attitude of robotic and AI inventors and experts as well as based on the AI nature that their capacity of environmental acquisition and adaptation, they may become predators and put creatures at risk."** Sentence D introduces the idea that the attitudes of AI inventors and the capacity of AI for adaptation could lead to potential risks, making them "predators" in certain contexts.

**(B) "They may also inherit the full nature of creatures."** Sentence B follows logically from sentence D, suggesting that AI and robotics might inherit the nature of creatures, further supporting the idea of them becoming potential risks.

**(F) "Thus, finally they will create their new universe or the destiny of our universe will be in danger."** Sentence F concludes the paragraph by discussing the potential creation of a new universe or the threat to the destiny of our universe as a result of AI and robotics.

Thus, the sequence **AECDBF** provides a logical flow of ideas, starting with the introduction of AI and robotics, their development, examination of their objectives, the potential risks they pose, their inheritance of creature nature, and the possible consequences for the universe.

**S18. Ans.(a)**

**Sol.** The correct sequence of the given sentences to form a meaningful paragraph is **AECDBF**. Here's the explanation for the sequence:

**(A) "Artificial intelligence and robotics are very recent technologies and risks for our world."** This sentence introduces the topic of artificial intelligence and robotics as recent technologies and potential risks to the world.

**(E) "They are developing their capacity dramatically and shifting their origins of developing intention to other dimensions."** Sentence E provides information about the rapid development and changing intentions of artificial intelligence and robotics.

**(C) "When humans see the past histories of AI and robotics, human beings can examine and understand the objectives and intentions of them to make life easy and assist human beings within different circumstances and situations."** Sentence C suggests that examining the past histories of AI and robotics can help humans understand their objectives and intentions in various situations.

**(D) "However, currently and in the near future, due to the change in the attitude of robotic and AI inventors and experts as well as based on the AI nature that their capacity of environmental acquisition and adaptation, they may become predators and put creatures at risk."** Sentence D introduces the idea that the attitudes of AI inventors and the capacity of AI for adaptation could lead to potential risks, making them "predators" in certain contexts.

**(B) "They may also inherit the full nature of creatures."** Sentence B follows logically from sentence D, suggesting that AI and robotics might inherit the nature of creatures, further supporting the idea of them becoming potential risks.

**(F) "Thus, finally they will create their new universe or the destiny of our universe will be in danger."** Sentence F concludes the paragraph by discussing the potential creation of a new universe or the threat to the destiny of our universe as a result of AI and robotics.

Thus, the sequence **AECDBF** provides a logical flow of ideas, starting with the introduction of AI and robotics, their development, examination of their objectives, the potential risks they pose, their inheritance of creature nature, and the possible consequences for the universe.

### **S19. Ans.(c)**

**Sol.** The correct sequence of the given sentences to form a meaningful paragraph is **AECDBF**. Here's the explanation for the sequence:

**(A) "Artificial intelligence and robotics are very recent technologies and risks for our world."** This sentence introduces the topic of artificial intelligence and robotics as recent technologies and potential risks to the world.

**(E) "They are developing their capacity dramatically and shifting their origins of developing intention to other dimensions."** Sentence E provides information about the rapid development and changing intentions of artificial intelligence and robotics.

**(C) "When humans see the past histories of AI and robotics, human beings can examine and understand the objectives and intentions of them to make life easy and assist human beings within different circumstances and situations."** Sentence C suggests that examining the past histories of AI and robotics can help humans understand their objectives and intentions in various situations.

**(D) "However, currently and in the near future, due to the change in the attitude of robotic and AI inventors and experts as well as based on the AI nature that their capacity of environmental acquisition and adaptation, they may become predators and put creatures at risk."** Sentence D introduces the idea that the attitudes of AI inventors and the capacity of AI for adaptation could lead to potential risks, making them "predators" in certain contexts.

**(B) "They may also inherit the full nature of creatures."** Sentence B follows logically from sentence D, suggesting that AI and robotics might inherit the nature of creatures, further supporting the idea of them becoming potential risks.

**(F) "Thus, finally they will create their new universe or the destiny of our universe will be in danger."** Sentence F concludes the paragraph by discussing the potential creation of a new universe or the threat to the destiny of our universe as a result of AI and robotics.

Thus, the sequence **AECDBF** provides a logical flow of ideas, starting with the introduction of AI and robotics, their development, examination of their objectives, the potential risks they pose, their inheritance of creature nature, and the possible consequences for the universe.

### **S20. Ans.(b)**

**Sol.** The correct sequence of the given sentences to form a meaningful paragraph is **AECDBF**. Here's the explanation for the sequence:

**(A) "Artificial intelligence and robotics are very recent technologies and risks for our world."** This sentence introduces the topic of artificial intelligence and robotics as recent technologies and potential risks to the world.

**(E) "They are developing their capacity dramatically and shifting their origins of developing intention to other dimensions."** Sentence E provides information about the rapid development and changing intentions of artificial intelligence and robotics.

**(C) "When humans see the past histories of AI and robotics, human beings can examine and understand the objectives and intentions of them to make life easy and assist human beings within different circumstances and situations."** Sentence C suggests that examining the past histories of AI and robotics can help humans understand their objectives and intentions in various situations.

**(D) "However, currently and in the near future, due to the change in the attitude of robotic and AI inventors and experts as well as based on the AI nature that their capacity of environmental acquisition and adaptation,**

they may become predators and put creatures at risk." Sentence D introduces the idea that the attitudes of AI inventors and the capacity of AI for adaptation could lead to potential risks, making them "predators" in certain contexts.

**(B) "They may also inherit the full nature of creatures."** Sentence B follows logically from sentence D, suggesting that AI and robotics might inherit the nature of creatures, further supporting the idea of them becoming potential risks.

**(F) "Thus, finally they will create their new universe or the destiny of our universe will be in danger."** Sentence F concludes the paragraph by discussing the potential creation of a new universe or the threat to the destiny of our universe as a result of AI and robotics.

Thus, the sequence **AECDBF** provides a logical flow of ideas, starting with the introduction of AI and robotics, their development, examination of their objectives, the potential risks they pose, their inheritance of creature nature, and the possible consequences for the universe.

### **S21. Ans.(e)**

**Sol.** The correct sequence of the given sentences to form a meaningful paragraph is **AECDBF**. Here's the explanation for the sequence:

**(A) "Artificial intelligence and robotics are very recent technologies and risks for our world."** This sentence introduces the topic of artificial intelligence and robotics as recent technologies and potential risks to the world.

**(E) "They are developing their capacity dramatically and shifting their origins of developing intention to other dimensions."** Sentence E provides information about the rapid development and changing intentions of artificial intelligence and robotics.

**(C) "When humans see the past histories of AI and robotics, human beings can examine and understand the objectives and intentions of them to make life easy and assist human beings within different circumstances and situations."** Sentence C suggests that examining the past histories of AI and robotics can help humans understand their objectives and intentions in various situations.

**(D) "However, currently and in the near future, due to the change in the attitude of robotic and AI inventors and experts as well as based on the AI nature that their capacity of environmental acquisition and adaptation, they may become predators and put creatures at risk."** Sentence D introduces the idea that the attitudes of AI inventors and the capacity of AI for adaptation could lead to potential risks, making them "predators" in certain contexts.

**(B) "They may also inherit the full nature of creatures."** Sentence B follows logically from sentence D, suggesting that AI and robotics might inherit the nature of creatures, further supporting the idea of them becoming potential risks.

**(F) "Thus, finally they will create their new universe or the destiny of our universe will be in danger."** Sentence F concludes the paragraph by discussing the potential creation of a new universe or the threat to the destiny of our universe as a result of AI and robotics.

Thus, the sequence **AECDBF** provides a logical flow of ideas, starting with the introduction of AI and robotics, their development, examination of their objectives, the potential risks they pose, their inheritance of creature nature, and the possible consequences for the universe.

### **S22. Ans.(b)**

**Sol.** The most appropriate words to fill in the given blanks are: "**densely, designated**".

This option is correct. "Densely" fits the context as it describes the population, and "designated" is the right word to describe the green belt, indicating that it has been officially marked or assigned for a particular purpose.

Thus, the sentence will be "Although Epsom and Ewell are **densely** populated, more than two-fifths of the borough is **designated** as a green belt."

The other options are not correct because they do not make sense in the context of the sentence.

**(a) courageously, alarmed-** This option is incorrect because "courageously" and "alarmed" don't make sense in the context of the sentence. "Courageously" means to do something with courage, bravery, or fearlessness. "Alarmed" means to be frightened or concerned about a potential danger or threat.

**(c) brightly, terrified-** This option is incorrect. "Brightly" and "terrified" are not suitable words for this sentence. They don't convey the intended meaning. "Brightly" means with a lot of light or in a cheerful manner. "Terrified" means extremely afraid or scared.

**(d) morosely, spirited-** This option is incorrect because "morosely" and "spirited" are not appropriate in the context. The sentence is about the population and the designation of a green belt, and these words do not fit. "Morosely" means in a gloomy, sullen, or melancholy manner. "Spirited" means having a lively or energetic quality.

**(e) sunnily, collected-** This option is incorrect. "Sunnily" and "collected" are not relevant to the context of the sentence. They do not make the sentence meaningful. "Sunnily" means in a cheerful, sunny, or optimistic manner. "Collected" means gathered together or composed, often referring to one's state of mind or demeanor.

### S23. Ans.(c)

**Sol.** The most appropriate words to fill in the given blanks are: "**prominent, discussions**".

This option is correct. The word "prominent" means well-known or important and the word "discussions" refer to conversations or debates. It fits the context well because it suggests that Aristotle's focus on a fully developed form is a notable or important aspect of his discussions about humans.

Thus, the sentence will be "The particularly **prominent** focus on the idea of a fully developed form in Aristotle's **discussions** of humans derives from its dual role."

The other options are not correct because they do not make sense in the context of the sentence.

**(a) elegant, ambitions-** This option is incorrect because "elegant" and "ambitions" do not logically fit the context of the sentence. The sentence is discussing Aristotle's philosophical ideas, and these words do not provide a meaningful connection. The word "elegant" means refined or tasteful in appearance or style and the word "ambitions" refer to one's goals or aspirations.

**(b) dapper, operations-** This option is incorrect because "dapper" and "operations" do not make sense in the context of discussing Aristotle's philosophical ideas about humans. The word "dapper" means neatly dressed or stylish in appearance and the word "operations" typically refer to processes or activities.

**(d) spruce, applications-** This option is incorrect because "spruce" and "applications" do not convey the intended meaning in the context of Aristotle's philosophical ideas. The word "spruce" means neat, smart, or tidy in appearance and the word "applications" typically refer to the practical use of something.

**(e) formal, attractions-** This option is incorrect because "formal" and "attractions" do not provide a logical connection to the context of Aristotle's philosophical discussions about humans. The word "formal" means following established procedures or conventions and the word "attractions" refer to things that are interesting or appealing.

### S24. Ans.(a)

**Sol.** The most appropriate words to fill in the given blanks are: "**abundance, never**".

This option appropriately describes the region being bathed in a large quantity of sunlight during summer, with the "midnight sun" never setting. The word "abundance" means a large quantity or plenty of something. In the context of summer and sunlight, this word fits perfectly as it conveys the idea of there being a lot of sunlight. The word "never" is the appropriate word to indicate that the "midnight sun" does not set during the summer.

Thus, the sentence will be "In summer, the region is bathed in an **abundance** of sunlight, with a "midnight sun" that **never** sets."

The other options are not correct because they do not make sense in the context of the sentence.

**(b) absence, there-** "Absence" means the state of being away or not present. This word does not fit the context because the sentence is describing the region being bathed in sunlight, not its absence. "There" is not suitable in this context as it doesn't convey the intended meaning. The sentence is describing the continuous presence of sunlight.

**(c) violence, now-** "Violence" refers to physical force causing injury or damage. This word does not make sense in the context of sunlight and the "midnight sun." "Now" does not convey the appropriate meaning in this context.

**(d) silence, below-** "Silence" means the absence of sound. This word is not relevant to describing sunlight. "Below" does not fit the context of describing sunlight and the "midnight sun."

**(e) vengeance, soon-** "Vengeance" means the desire for revenge or retaliation, which is not related to sunlight. "Soon" does not convey the intended meaning. The sentence is describing the continuous presence of sunlight during summer, not that it will happen soon.

### S25. Ans.(e)

**Sol.** The most appropriate words to fill in the given blanks are: "**affected, extreme**".

This option accurately conveys the meaning of the sentence, highlighting the impact and extreme nature of the events. The word "affected" is the correct word as it describes the impact or influence of an event on both local populations and the rest of the world. The word "extreme" correctly describes the nature of the weather events, emphasizing their severity and intensity, which is appropriate in the context.

Thus, the sentence will be "This has **affected** both local populations and the rest of the world, with rising sea levels and **extreme** weather events."

The other options are not correct because they do not make sense in the context of the sentence.

**(a) inspired, arcane-** "Inspired" means to be motivated or influenced by something, but it doesn't fit the context of the sentence, which is discussing the impact of an event. "Arcane" means understood by few, mysterious, or obscure. This word is not appropriate in the context of rising sea levels and weather events.

**(b) captivated, average-** "Captivated" means to be charmed or enthralled by something, but it doesn't convey the intended meaning of the sentence, which is about the impact of an event. "Average" is not relevant in the context of describing the effects of an event on local populations and the world.

**(c) amazed, abstruse-** "Amazed" means to be surprised or astonished, but it doesn't appropriately describe the effects of an event. "Abstruse" means difficult to understand or comprehend, and it doesn't fit the context of the sentence.

**(d) depressed, supreme-** "Depressed" means feeling sad or downcast, and it doesn't convey the intended meaning of the sentence, which is about the impact of an event. "Supreme" means the highest in rank, authority, or quality, and it doesn't fit the context.

### S26. Ans.(e)

**Sol.** The correct answer is: "**all of these**".

#### Explanation:

Let's go through each statement and analyze how the word "interest" has been used correctly:

(i) **She developed a keen interest in painting during her college years and has since become a talented artist.**

In this sentence, "interest" is used correctly to describe her fascination or passion for painting. It indicates that she has a strong attraction or curiosity towards painting, and this interest has led her to become a talented artist. The usage here is both contextually and grammatically correct.

(ii) **The company's new product generated a lot of interest among consumers due to its innovative features.**

In this sentence, "interest" is used correctly to describe the attention and curiosity that consumers have shown in the company's new product. It implies that people are intrigued or enthusiastic about the product because of its innovative features. The usage is both contextually and grammatically correct.

(iii) **Sarah's interest in environmental conservation led her to volunteer at a local wildlife sanctuary.**

In this sentence, "interest" is used correctly to express Sarah's concern or passion for environmental conservation. It indicates that Sarah has a genuine desire or commitment to protecting the environment, and this interest motivates her to volunteer at a wildlife sanctuary. The usage is both contextually and grammatically correct.



So, in all three statements, the word "interest" has been used correctly to convey the idea of fascination, curiosity, or passion, making the correct answer (e) All of these.

### S27. Ans.(d)

**Sol.** The correct answer is: "**is growing across all price segments**".

Let's break down the sentence and analyze why the highlighted phrase is incorrect and why the other options are incorrect:

**Original Sentence:** "Demand for electronics is growing of all price segments, even as the production of these devices entails the use of scarce elements and high emissions."

**Highlighted Phrase:** "is growing of all price segments"

**Analysis:** The phrase "is growing of all price segments" is grammatically incorrect in this context because it doesn't convey the intended meaning. The sentence is trying to express that the demand for electronics is increasing across all price ranges or categories. The use of "of" is incorrect here, and it should be replaced with a preposition that properly conveys this idea.

Now, let's analyze the provided options:

(a) **is grown over all price segment:** This option uses the phrase "over- all price segment," which is not a suitable replacement for the original phrase. It doesn't convey the correct meaning.

(b) **is growing across all price segment:** This option uses "across all price segment," which is closer to the correct phrasing but still contains the same error as the original sentence. It should be "price segments" instead of "price segment."

(c) **is growing for all price segments:** This option is not completely correct "for all price segments," as it slightly changes the meaning of the sentence. The phrase "is growing for all price segments" implies that the growth is in favor of all price segments, which might not be the intended meaning. The original sentence suggests that demand is increasing in all price segments, not necessarily for their benefit.

(d) **is growing across all price segments:** This option is the correct choice as it uses the preposition "across" with the plural form "price segments," which accurately conveys that the demand for electronics is increasing in all price categories.

In conclusion, option (d) "**is growing across all price segments**" is the correct choice because it fixes the grammatical error in the original sentence and accurately conveys the intended meaning.

### S28. Ans.(e)

**Sol.** In the original sentence, the highlighted phrase "may have sensed they would get support" is grammatically and contextually correct. Hence, no correction required.

### S29. Ans.(b)

**Sol.** The correct answer is: "**sessions are typically held in each**".

Let's break down the sentence and analyze why the highlighted phrase is incorrect, as well as why the other options are incorrect:

**Original Sentence:** "Although the Constitution doesn't provide for a fixed number of sessions or days of sitting, three sessions are typical held in each calendar year."

**Highlighted Phrase:** "sessions are typical held in each"

**Analysis:** The highlighted phrase "sessions are typical held in each" contains a grammatical error. The word "typical" is used incorrectly. The phrase "sessions are typical held in each" is not grammatically accurate. The option (b) corrects this error by using "sessions are typically held in each." This change maintains proper subject-verb agreement, and it correctly places the adverb "typically" before the verb "held" to indicate that three sessions are typically held each calendar year. It makes the sentence grammatically correct and conveys the intended meaning accurately.

Now, let's analyze the provided options:

(a) "**session are typically held in each**": This option uses the plural verb "are" with the singular subject "session," which is a subject-verb agreement error.

(b) "sessions are typically held in each": This option correctly uses the adverb "typically" before the verb "held" making it grammatically correct. This is the correct choice.

(c) "sessions are typically hold in each": This option uses the incorrect verb form "hold," which should be "held" to maintain the proper tense.

(d) "sessions is typically held in each": This option uses the singular verb "is" with the plural subject "sessions," which is a subject-verb agreement error.

In conclusion, **option (b) "sessions are typically held in each"** is the correct choice because it corrects the subject-verb agreement error by using the plural verb "are" with the plural subject "sessions" and using the correct adverb "typically" to make the sentence meaningful.

**S30. Ans.(c)**

**Sol.** The correct answer is: "is undergoing a churn too, driven by".

Let's analyze the sentence and identify the issues with the highlighted phrase, as well as explain why the incorrect options are not suitable.

**Original Sentence:** "The ceiling fan market are undergoing a churn too, driven by policy imperatives and a regulation change."

**Highlighted Phrase:** "are undergoing a churn too, driven by"

**Analysis:** The highlighted phrase "are undergoing a churn too, driven by" has a subject-verb agreement error. The subject "market" is singular, but the verb "are" is plural. The correct form should be "market is undergoing" to match the singular subject "market."

Now, let's examine the provided options:

(a) "is undergoing a churn too, driven for": This option replaces the verb "are" with "is," which is the correct singular form. However, it introduces the preposition "for" after "driven," which does not fit the context. The correct preposition is "by" to indicate the cause or reason for the churn.

(b) "is undergoing a churn to, driven by": This option replaces "are" with "is," which is correct. However, it introduces "to" after "churn," which changes the meaning of the sentence and is not suitable in this context. "By" is the correct preposition to indicate the cause or reason.

(c) "is undergoing a churn too, driven by": This option is the correct choice. It corrects the subject-verb agreement error by using the singular verb "is" with the singular subject "market." It also correctly uses "driven by" to indicate the cause of the churn.

(d) "is undergone a churn too, driven by": This option uses the past participle "undergone" instead of the present participle "undergoing," which is incorrect. It should describe the ongoing action of the market, so "undergoing" is the appropriate form.

In conclusion, option (c) "is undergoing a churn too, driven by" is the correct choice as it corrects the subject-verb agreement error and maintains the correct preposition "by" to indicate the cause of the churn.

**S31. Ans.(e)**

**Sol.**

श्रृंखला का पैटर्न-

20,	32,	47,	57,	74,	? = 80
+12	+15	+10	+17	+6	
	+3	-5	+7	-11	

**S32. Ans.(c)**

**Sol.**

श्रृंखला का पैटर्न-

32,	40	53,	76,	? = 114,	172
+8	+13	+23	+38	+58	
	+5	+10	+15	+20	

S33. Ans.(b)

Sol.

श्रृंखला का पैटर्न-

$$\begin{array}{cccccc} 40, & 66, & 116, & 198, & 320, & ? = 490 \\ +26 & +50 & +82 & +122 & +170 & \\ & +24 & +32 & +40 & +48 & \\ & & +8 & +8 & +8 & \end{array}$$

S34. Ans.(d)

Sol.

श्रृंखला का पैटर्न-

$$\begin{array}{cccccc} 80, & ? = 92, & 117, & 168, & 271, & 478 \\ +12 & +25 & +51 & +103 & +207 & \\ & +13 & +26 & +52 & +104 & \end{array}$$

S35. Ans.(a)

Sol.

श्रृंखला का पैटर्न-

$$\begin{array}{l} 100 + 61 = 161 \\ 161 + 67 = 228 \\ 228 + 71 = 299 \\ 299 + 73 = 372 \\ 372 + 79 = 451 \end{array}$$

S36. Ans.(c)

Sol.

श्रृंखला का पैटर्न-

$$\begin{array}{l} 500 \times \frac{10}{100} = 50 \\ 50 \times \frac{20}{100} = 10 \\ 10 \times \frac{30}{100} = 3 \\ 3 \times \frac{40}{100} = 1.2 \\ 1.2 \times \frac{50}{100} = 0.6 \end{array}$$

S37. Ans.(a)

Sol.

माना क्रय मूल्य  $100x$  है।

$$\text{और अंकित मूल्य} = 100x \times \frac{120}{100} = 120x$$

प्रश्नानुसार,

$$120x \times \left(\frac{100-d}{100}\right) = 100x \times \left(\frac{100-(d-11)}{100}\right)$$

$$\frac{6}{5} = \frac{100-d+11}{100-d}$$

$$600 - 6d = 500 - 5d + 55$$

$$600 - 500 - 55 = d$$

$$d = 45\%$$

$$Q \text{ का विक्रय मूल्य} = 200 \times (100 + 1.5d)\% = 335 \text{ रुपये}$$

S38. Ans.(a)

Sol.

2 वर्ष और 10 दिनों के लिए संचयी ब्याज लगभग 2 वर्ष के बराबर है।

$$\text{ब्याज दर} = 11 + 11 + \frac{11 \times 11}{100} = 22 + 1.21 = 23.21\%$$

$$\text{चक्रवृद्धि ब्याज} = 20000 \times \frac{23.21}{100} = 4642 \text{ रुपये}$$

$$\text{राशि} = 20000 + 4642 = 24642 \text{ रुपये}$$

$$\text{साधारण ब्याज} = \frac{24642 \times 2 \times 11}{100} = 5421.24 \text{ रुपये} = 5421 \text{ रुपये}$$

S39. Ans.(d)

Sol.

माना दूध और पानी की मात्रा क्रमशः  $300x$  और  $200x$  है।

$$\text{निकाली गई मात्रा} = 75x \times \frac{(300+200)x}{100} = 375 \text{ लीटर}$$

$$\text{निकाले गए दूध की मात्रा} = 375 \times \frac{3}{5} = 225x$$

$$\text{निकाले गए पानी की मात्रा} = 375 \times \frac{2}{5} = 150x$$

$$\text{मिलाया गया पानी} = 40 \times \frac{60}{100} = 24 \text{ लीटर}$$

$$\text{दूध मिलाया} = 40 \times \frac{40}{100} = 16 \text{ लीटर}$$

प्रश्नानुसार,

$$\frac{300x - 225x + 16}{200x - 150x + 24} = \frac{\frac{400}{9}}{100 - \frac{400}{9}}$$

$$\frac{75x + 16}{50x + 24} = \frac{4}{5}$$

$$375x + 80 = 200x + 96$$

$$175x = 16$$

$$x = \frac{16}{175}$$

$$\text{प्रारम्भ में दूध की मात्रा} = \frac{16}{175} \times 300 = \frac{192}{7} \text{ लीटर}$$

S40. Ans.(a)

Sol.

$$A, B \text{ और } C \text{ द्वारा पूरा किया गया कुल कार्य} = 2 \times \frac{3}{2} = 3 \text{ दिन}$$

$$A \text{ और } B \text{ द्वारा मिलकर पूरा किया गया कुल कार्य} = \frac{100}{30} \times 3 =$$

$$10 \text{ दिन}$$

$$\text{कुल कार्य} = 30 \text{ (3 और 10 का ल.स.)}$$

$$C \text{ की दक्षता} = \frac{30}{3} - \frac{30}{10} = 10 - 3 = 7 \text{ इकाई/दिन}$$

$$\text{अभीष्ट समय} = \frac{\frac{14}{3} \times 30}{7} = 20 \text{ दिन}$$

S41. Ans.(b)

$$\text{Sol. I. } 4x^2 + 10x + 10x + 25 = 0$$

$$2x(2x+5) + 5(2x+5) = 0$$

$$(2x+5)(2x+5) = 0$$

$$x = -2.5, -2.5$$

$$\text{II. } 2y^2 + 5y + 6y + 15 = 0$$

$$y(2y + 5) + 3(2y + 5) = 0$$

$$(y+3)(2y+5)=0$$

$$y = -2.5 - 3$$

अतः,  $x \geq y$

**S42. Ans.(e)**

**Sol.**

I.  $3x^2 - 9x - 5x + 15 = 0$   
 $3x(x-3) - 5(x-3) = 0$   
 $(3x-5)(x-3)=0$   
 $x = 3, \frac{5}{3}$

II.  $6y^2 - 31y + 18 = 0$   
 $6y^2 - 27y - 4y + 18 = 0$   
 $3y(2y - 9) - 2(2y - 9) = 0$   
 $(3y-2)(2y-9)=0$   
 $y = \frac{9}{2}, \frac{2}{3}$

अतः, कोई सम्बन्ध नहीं है।

**S43. Ans.(a)**

**Sol.**

I.  $4x^2 - 8x - 8x + 16 = 0$   
 $4x(x - 2) - 8(x - 2) = 0$   
 $(4x - 8)(x - 2) = 0$   
 $x = 2, 2$

II.  $10y^2 - 15y - 14y + 21 = 0$   
 $5y(2y - 3) - 7(2y - 3) = 0$   
 $(5y - 7)(2y - 3) = 0$   
 $y = \frac{7}{5}$  and  $\frac{3}{2}$

अतः,  $x > y$

**S44. Ans.(d)**

**Sol.**

I.  $3x^2 - 37x + 114 = 0$   
 $3x^2 - 19x - 18x + 114 = 0$   
 $x(3x - 19) - 6(3x - 19) = 0$   
 $(x - 6)(3x - 19) = 0$   
 $x = \frac{19}{3}, 6$

II.  $3y^2 - 46y + 171 = 0$   
 $3y^2 - 27y - 19y + 171 = 0$   
 $3y(y - 9) - 19(y - 9) = 0$   
 $(3y - 19)(y - 9) = 0$   
 $y = \frac{19}{3}, 9$

अतः,  $x \leq y$

**S45. Ans.(d)**

**Sol.**

I.  $2x^2 + 13x - 150 = 0$   
 $2x^2 - 12x + 25x - 150 = 0$   
 $2x(x - 6) + 25(x - 6) = 0$   
 $(2x + 25)(x - 6) = 0$   
 $x = -12.5, 6$

II.  $y^2 - 17y + 66 = 0$   
 $y^2 - 11y - 6y + 66 = 0$   
 $y(y - 11) - 6(y - 11) = 0$   
 $(y - 6)(y - 11) = 0$   
 $y = 11, 6$

अतः,  $x \leq y$

**Sol. (46-51):**

क्लब A के लिए, जाने वाले कुल लोग =  $2500 \times \frac{24}{100} = 600$   
काने वाले कुल पुरुष =  $1200 \times \frac{20}{100} = 240$   
तो, जाने वाली कुल महिलाएँ =  $600 - 240 = 360$   
क्लब B के लिए, जाने वाले कुल लोग =  $2500 \times \frac{16}{100} = 400$   
जाने वाले कुल पुरुष =  $1200 \times \frac{15}{100} = 180$   
जाने वाली कुल महिलाएँ =  $400 - 180 = 220$   
क्लब C के लिए, जाने वाले कुल लोग =  $2500 \times \frac{18}{100} = 450$   
जाने वाले कुल पुरुष =  $1200 \times \frac{35}{100} = 420$   
जाने वाली कुल महिलाएँ =  $450 - 420 = 30$   
क्लब D के लिए, जाने वाले कुल लोग =  $2500 \times \frac{30}{100} = 750$   
जाने वाले कुल पुरुष =  $1200 \times \frac{12}{100} = 144$   
जाने वाली कुल महिलाएँ =  $750 - 144 = 606$   
क्लब E के लिए, क्लब E में जाने वाले कुल लोग =  $2500 \times \frac{12}{100} = 300$   
जाने वाले कुल पुरुष =  $1200 \times \frac{18}{100} = 216$   
जाने वाली कुल महिलाएँ =  $300 - 216 = 84$

क्लब	कुल लोग	कुल पुरुष	कुल महिलाएँ
A	600	240	360
B	400	180	220
C	450	420	30
D	750	144	606
E	300	216	84

**S46. Ans.(d)****Sol.**

क्लब B और C में जाने वाली कुल महिलाएँ =  $(220 + 30) = 250$   
 अभीष्ट प्रतिशत =  $\frac{250}{750} \times 100 = 33.33\%$

**S47. Ans.(b)****Sol.**

क्लब F में जाने वाली कुल महिलाएँ =  $84 \times \frac{125}{100} = 105$

क्लब F में जाने वाले कुल लोग =  $144 \times \frac{11}{9} = 198$

इसलिए, क्लब F में जाने वाले कुल पुरुष =  $198 - 105 = 93$

अभीष्ट अनुपात =  $\frac{93}{216} = 31:72$

**S48. Ans.(c)****Sol.**

क्लब X में जाने वाली महिलाओं की कुल संख्या =  $126 \times 3 - (220 + 84) = 74$

क्लब X में जाने वाले कुल पुरुष =  $240 \times \frac{45}{100} = 108$

अभीष्ट अंतर =  $(360 + 30) - (108 + 74) = 208$

**S49. Ans.(c)****Sol.**

कुल पुरुषों से क्लब A की कुल आय =  $240 \times 150 = 36000$  रुपये

कुल पुरुषों से क्लब B की कुल आय =  $180 \times 200 = 36000$  रुपये

कुल पुरुषों से क्लब E की कुल आय =  $216 \times 250 = 54000$  रुपये

अभीष्ट आय =  $36000 + 36000 + 54000 = 126000$  रुपये

**S50. Ans.(e)****Sol.**

क्लब D और E में जाने वाली कुल महिलाएँ =  $606 + 84 = 690$

क्लब A और B में जाने वाली कुल महिलाएँ =  $360 + 220 = 580$

अभीष्ट प्रतिशत =  $\frac{690-580}{580} \times 100 = 18.96 = 19\%$

**S51. Ans.(c)****Sol.**

क्लब C में 25 वर्ष से कम आयु वाले कुल पुरुष =  $(420 - 20) \times \frac{3}{8} = 150$

क्लब B में 25 वर्ष से कम आयु वाले कुल पुरुष =  $(220 - 40) \times \frac{2}{3} = 120$

अभीष्ट योग =  $150 + 120 = 270$

**Sol (52 - 57):**

प्रश्नानुसार,

$$15x - 2y + y = 50$$

$$15x - y = 50 \dots(i)$$

$$16x + 9y = 154 \dots(ii)$$

(i) और (ii) को हल करने पर,

$$x = 4 \text{ और } y = 10$$

शहर	निजी कंपनी में पुरुष	सार्वजनिक कंपनी में पुरुष	महिलाएँ (निजी + सार्वजनिक)
A	$15x - 2y = 60 - 20 = 40$	$y = 10$	55
B	$16x = 64$	16	108
C	$9y = 90$	24	74
D	84	21	85

**Q52. Ans.(a)****Sol.**

A से सार्वजनिक कंपनियों में काम करने वाली महिलाएँ =

$$\frac{60}{100} \times 55 = 33$$

अभीष्ट अनुपात =  $33 : (84 + 21) = 33 : 105 = 11 : 35$

**S53. Ans.(a)****Sol.**

B से निजी कंपनी में काम करने वाली महिलाएँ =  $\frac{24 \times 5}{4} = 30$

B से सार्वजनिक कंपनी में काम करने वाली महिलाएँ =  $108 - 30 = 78$

अभीष्ट प्रतिशत =  $\frac{78}{10} \times 100 = 780\%$

**S54. Ans.(d)****Sol.**

F में पुरुष =  $2 \times 200 - (90 + 24) = 286$

F में कुल कर्मचारी =  $286 \times \frac{100}{20} = 1430$

अभीष्ट उत्तर =  $1430 - 1000 = 430$

**S55. Ans.(d)**

**Sol.**

सभी शहरों से सार्वजनिक कंपनी में काम करने वाली कुल महिलाएँ = (55+108+74+85) का 50% = 161  
सार्वजनिक कंपनी में कार्यरत कुल कर्मचारी = 161 + 71 = 232

**S56. Ans.(d)**

**Sol.**

$$\text{औसत} = \frac{40+64+90+84}{4} = 69.5$$

केवल शहर A और B में पुरुष, औसत पुरुषों से कम हैं।

**S57. Ans.(d)**

**Sol.**

$$\text{अभीष्ट प्रतिशत} = \frac{90+24}{108} \times 100 = 105.55 = 106\%$$

**S58. Ans.(b)**

**Sol.**

$$\text{प्रश्नानुसार, } \frac{8a+4}{11a-10} = \frac{3}{4}$$

$$32a + 16 = 33a - 30$$

$$a = 46$$

$$\text{तो, भिन्न} = \frac{372}{496}$$

$$\text{अब, अभीष्ट मान} = \frac{372-4}{496-10} = \frac{368}{486} = \frac{184}{243}$$

**S59. Ans.(d)**

**Sol.** माना शांत पानी में नाव की चाल x किमी/घंटा है और धारा की चाल y किमी/घंटा है

$$\frac{x-y}{x+y} = \frac{3}{5}$$

$$5x - 5y = 3x + 3y$$

$$2x = 8y$$

$$x = 4y$$

$$\text{प्रश्नानुसार, } t = \frac{90}{5y}$$

$$t = \frac{18}{y} \text{ -----(i)}$$

$$\text{और } t = \frac{72}{3y} - 1$$

$$t = \frac{24-y}{y} \text{ ---- (ii)}$$

(i) और (ii) से हमें मिलता है -

$$y = 6$$

$$\text{अतः, } x = 24$$

$$\text{अभीष्ट चाल} = (24+6) = 30 \text{ किमी/घंटा}$$

**S60. Ans.(c)**

**Sol.** माना ट्रेन की चाल s किमी/घंटा है

$$s = \frac{240}{x} \text{ -----(i)}$$

$$s = \frac{600}{(x+9)} \text{ -----(ii)}$$

(i) और (ii) से हमें मिलता है -

$$\frac{240}{x} = \frac{600}{x+9}$$

$$5x = 2x + 18$$

$$x = 6$$

$$\text{तो, ट्रेन की चाल} = \frac{240}{6} = 40 \text{ मीटर/सेकंड}$$

$$\text{अभीष्ट समय} = \frac{240}{40-36 \times \frac{5}{18}} = 8 \text{ सेकंड}$$

**S61. Ans.(d)**

**Sol.** माना आयत की लंबाई और चौड़ाई क्रमशः 'l' और 'b' है  
प्रश्नानुसार -

$$\frac{l \times (b+4) - (l-4) \times b}{lb} = \frac{4}{9}$$

$$9(4l + 4b) = 4lb$$

$$9(2l + 2b) = 2lb$$

$$(2l + 2b) : lb = 2 : 9$$

**S62. Ans (e)**

**Sol.** A और B का लाभ साझाकरण अनुपात  
=  $5X \times 12 : (5X - 400) \times 6 + (5X - 400 + 200) \times 6$   
=  $5X \times 12 : 6 \times (5X - 400 + 5X - 200)$   
=  $5X \times 12 : 6 \times (10X - 600)$

प्रश्नानुसार,

$$\frac{5X \times 12}{6 \times (10X - 600)} = \frac{600}{510}$$

$$17X = 20X - 1200$$

$$3X = 1200$$

$$X = 400$$

**S63. Ans (b)**

**Sol.** माना A का मासिक वेतन  $100x$  रुपये है  
घर के किराये पर व्यय =  $20x$  रुपये

$$\text{यात्रा पर व्यय} = (100x - 20x) \times \frac{25}{100} = 20x \text{ रुपये}$$

$$\text{भोजन पर व्यय} = (100x - 20x - 20x) \times \frac{3}{8} = 22.5x \text{ रुपये}$$

$$\text{बच्चों की शिक्षा पर व्यय} = (100x - 20x - 20x) \times \frac{5}{8} =$$

$$37.5x \text{ रुपये}$$

प्रश्नानुसार,

$$37.5x - 20x = 700$$

$$x = 40$$

$$\text{A का मासिक वेतन} = 40 \times 100 = 4000 \text{ रुपये}$$

**S64. Ans.(b)**

**Sol.** प्रश्नानुसार, दिया गया व्यक्ति की उम्र = 34 वर्ष

$$\text{व्यक्ति की पत्नी की उम्र} = 34 - 5 = 29 \text{ वर्ष}$$

$$3q + 2p = 34 \text{ -----(1)}$$

$$\text{साथ ही, } p - q = 3 \text{ -----(2)}$$

(1) एवं (2) को हल करने पर,

$$p = 8, q = 5$$

$$\text{अभीष्ट औसत आयु} = \frac{34+29+8+5}{4} = 19 \text{ वर्ष}$$

S65. Ans.(c)

Sol. पूछा गया सन्निकट मान

बर्तन में दूध की प्रारंभिक मात्रा =  $80 \times \frac{3}{5} = 48$  लीटर

बर्तन में पानी की प्रारंभिक मात्रा =  $80 - 48 = 32$  लीटर

माना कि मिश्रण में बाद में मिलाए गए दूध की मात्रा =  $x$  लीटर है  
अतः, मिश्रण में बाद में मिश्रित पानी की मात्रा =  $(60 - x)$

$$\text{प्रश्नानुसार, } \frac{48 - 20 \times \frac{3}{5} + x}{32 - 20 \times \frac{2}{5} + (60 - x)} = \frac{2}{1}$$

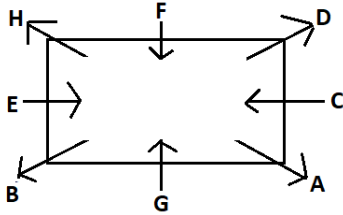
$$\frac{36 + x}{84 - x} = \frac{2}{1}$$

$$36 + x = 168 - 2x$$

$$x = 44$$

$$\text{पानी की मात्रा} = 60 - x = 60 - 44 = 16$$

Direction (66-70):



S66. Ans. (c)

Sol. "A"

S67. Ans. (b)

Sol. "तीन"

S68. Ans. (d)

Sol. "H"

S69. Ans. (b)

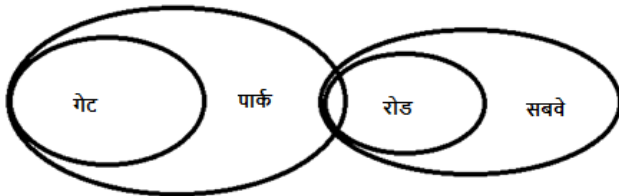
Sol. "C"

S70. Ans. (a)

Sol. "B"

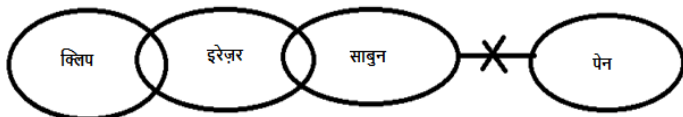
S71. Ans. (b)

Sol.



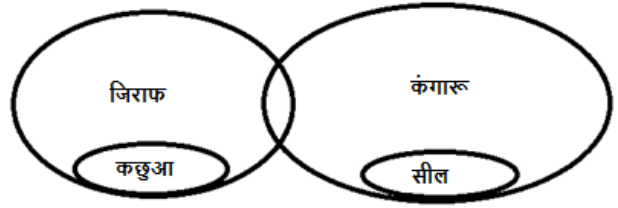
S72. Ans. (c)

Sol.



S73 Ans. (b)

Sol.



S74. Ans. (a)

S75. Ans. (e)

Directions (76-80):

बॉक्स	फल
E	संतरा
A	अमरूद
C	आम
B	केला
D	सेब

S76. Ans. (a)

Sol. "A"

S77. Ans. (d)

Sol. "तीन"

S78. Ans. (b)

Sol. "A"

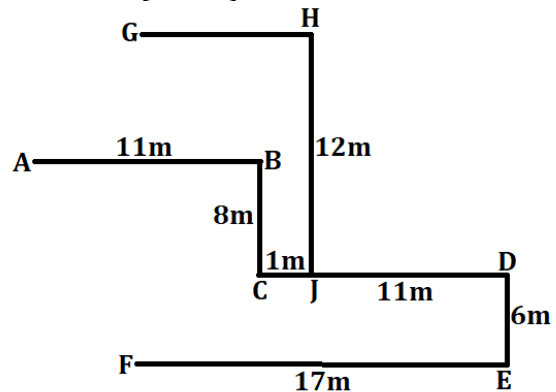
S79. Ans. (d)

Sol. "दो"

S80. Ans. (a)

Sol. "D"

Directions (81-83):



S81. Ans. (b)

Sol. बिंदु G और बिंदु F के बीच की न्यूनतम दूरी 18 मीटर है।

S82. Ans. (c)

Sol. बिंदु F, बिंदु D के दक्षिण-पश्चिम में है।

S83. Ans. (c)

Sol. बिंदु G, बिंदु E के उत्तर-पश्चिम में है।

Directions (84-88):

अंतिम व्यवस्था:

महीने	तारीख	व्यक्ति	राज्य
मई	9	R	केरल
	26	U	गोवा
जून	9	P	ओडिशा
	26	S	असम
जुलाई	9	T	दिल्ली
	26	Q	सिक्किम

S84. Ans. (a)

Sol. जो व्यक्ति असम की यात्रा करता है वह जून के महीने में यात्रा करता है।

S85. Ans. (d)

Sol. S, 26 जून को यात्रा करता है।

S86. Ans. (b)

Sol. ओडिशा की यात्रा करने वाले व्यक्ति के बाद तीन व्यक्ति यात्रा करते हैं।

S87. Ans. (d)

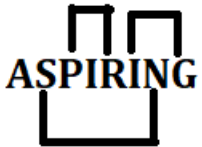
Sol. Q सिक्किम की यात्रा करता है।

S88. Ans. (c)

Sol. विकल्प (c) में संयोजन सही है।

S89. Ans. (a)

Sol.



Directions (90-94):

शहर	व्यक्ति
बार्सिलोना	Q, V, N
देहरादून	P, Z
टेक्सास	Y, L, O, W

S90. Ans. (c)

S91. Ans. (c)

S92. Ans. (d)

S93. Ans. (b)

S94. Ans. (a)

Directions (95-97):

S95. Ans. (a)

Sol. I.  $I < X$  (सत्य)

II.  $R > U$  (असत्य)

S96. Ans. (d)

Sol. I.  $7 > 6$  (असत्य)

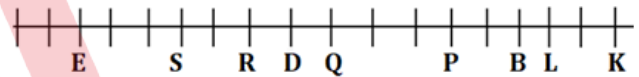
II.  $1 > 2$  (असत्य)

S97. Ans. (c)

Sol. I.  $E > N$  (असत्य)

II.  $H \geq E$  (असत्य)

Directions (98-100):



S98. Ans. (b)

S99. Ans. (a)

S100. Ans. (c)

