





**Directions (20-24):** In each on the following question two equations are given. You have to solve the equations.

20. I.  $x^2 - 14x + 48 = 0$   
 II.  $y^2 + 6 = 5y$   
 A.  $x > y$  B.  $x \geq y$   
 C.  $x < y$  D.  $x \leq y$   
 E.  $x = y$  or relation can't be established.
21. I.  $x^2 + 9x + 20 = 0$   
 II.  $y^2 + 7y + 12 = 0$   
 A.  $x > y$  B.  $x \geq y$   
 C.  $x < y$  D.  $x \leq y$   
 E.  $x = y$  or relation can't be established.
22. I.  $x^2 = 529$   
 II.  $y = \sqrt{529}$   
 A.  $x > y$  B.  $x \geq y$   
 C.  $x < y$  D.  $x \leq y$   
 E.  $x = y$  or relation can't be established.
23. I.  $x^2 + 13x = -42$   
 II.  $y^2 + 16y + 63 = 0$   
 A.  $x > y$  B.  $x \geq y$   
 C.  $x < y$  D.  $x \leq y$   
 E.  $x = y$  or relation can't be established.
24. I.  $2x + 3y = 14$   
 II.  $4x + 2y = 16$   
 A.  $x > y$  B.  $x \geq y$   
 C.  $x < y$  D.  $x \leq y$   
 E.  $x = y$  or relation can't be established.

**Directions (25-29):** What approximate value will come in place of the question mark (?) in the following questions?

25.  $(47\% \text{ of } 1442 - 36\% \text{ of } 1412) \div 63 = ?$   
 A. 4 B. 5  
 C. 3 D. 6  
 E. 1
26.  $2418.065 + 88 \div 14.2 \times 6 = ?$   
 A. 1059 B. 2419  
 C. 2496 D. 2455  
 E. 1985
27.  $\sqrt{898} \times (12.005)^2 + ? = 5000$   
 A. 680 B. 720  
 C. 750 D. 620  
 E. 630
28.  $47.03 * 26.96 + 14.98 * (42870)^{1/3} = ?$   
 A. 1795 B. 1820  
 C. 1750 D. 1940  
 E. 1860
29. Simplify:  
 $(\sqrt{119} + 49.06 \div 6.998) * 124.9 \div 5.13$   
 A. 250 B. 350  
 C. 450 D. 550  
 E. 650

30. What should come in the place of the question mark in the following series?  
 3, 4, 12, 45, 196, ?  
 A. 1000 B. 1005  
 C. 1025 D. 1015  
 E. None of these
31. What should come in place of question mark (?) in the following number of series?  
 26, 38, ?, 68, 86  
 A. 42 B. 49  
 C. 52 D. 55  
 E. None of these
32. What should come in the place of the question mark in the following series?  
 45030, 9000, 1795, 355, 68, ?  
 A. 11.6 B. 12.2  
 C. 10.4 D. 9.8  
 E. None of these
33. What will come in the place of the question mark in the following series?  
 949, 189.8, ?, 22.776, 11.388, 6.8328  
 A. 48.24 B. 53.86  
 C. 74.26 D. 56.94  
 E. None of these
34. 248, 217, 188, 165, ?, 129, 116  
 A. 144 B. 136  
 C. 134 D. 146  
 E. None of these
35. A sum is divided among A, B & C such that if their respective shares are increased by Rs.120, Rs.150 & Rs.90 respectively, their shares are in the ratio 9:8:6 & the total amount is Rs. 2300. Their initial shares were in the ratio of?  
 A. 6:5:4 B. 78:65:51  
 C. 71:63:57 D. 7:6:5  
 E. 39:32:27

**Directions (36-40):** Study the following information and answer the questions. Nilesh, Sneha, Mohan, Sushil, Teena, Aman, Varun and Vikas are sitting in a straight line but not necessarily in the same order. Some of them are facing south while the remaining are facing north.

(Note: Same Direction means that if one person is facing north then the other also faces north and if one person is facing south then the other person also faces south. Opposite Direction means that if one person is facing north then the other person faces south and vice versa). Sneha and Aman face opposite directions and Aman sits fourth to the right of Sneha. Varun

sits second to the left of Teena. The immediate neighbour of Sushil face same direction as Sushil. Nilesh sits second to the left of Aman. The immediate neighbour of Nilesh faces the same direction as Varun. Vikas is not an immediate neighbour of Varun. Both the immediate neighbours of Sneha face opposite directions. One of the immediate neighbour of Vikas faces north. Teena is not third from the right end if we face north. Mohan is at the fourth position with respect to Nilesh. Vikas is not facing south. Both the immediate neighbours of Varun face same direction. Varun is third to the right of Sneha. Mohan is not facing north.

36. What is the position of Mohan with respect to Sushil?
- Second to the right
  - Third to the right
  - Third to the left
  - Fourth to the left
  - None of these
37. If Teena and Aman interchange their places and Vikas and Mohan interchange their places then who among the following will be fourth to the left of Aman?
- Teena
  - Nilesh
  - Mohan
  - Vikas
  - None of these
38. Who among the following sits at the extreme left end of the line?
- Sneha
  - Sushil
  - Nilesh
  - Can't be determined
  - None of these
39. What is the position of Vikas with respect to that person who is second to the left of Mohan?
- Immediate Left
  - Immediate right
  - Second to the right
  - Third to the left
  - None of these
40. Which of the following statements is true?
- Sneha sits second to the left of Mohan
  - Vikas sits on the immediate right of Varun
  - Sushil sits on the immediate left of Sneha and is facing north
  - Only three person are facing north
  - None of these

**Directions (41-45):** Study the following information carefully and answer the questions given below:

G is the father of H and I. H is the sister of J. J is the daughter of K. K has only three children. L is the daughter-in-law of G. M is the daughter of L. M is the sister of N.

41. As per the given information, how is G related to M?
- Brother-in-law
  - Father
  - Father-in-law
  - Grandfather
  - Cannot be determined
42. If N is married to Z, then how is Z related to L?
- Son
  - Can't be determined
  - Daughter
  - Brother-in-law
  - Niece
43. As per the given information, how is I related to K?
- Niece
  - Son
  - Daughter
  - Son-in-law
  - Nephew
44. Point P is 20m to the north of point Q. Point R is 10m to the west of point P. Point S is 15m to the south of point R. Point T is exactly midway between point S and point U in such a manner that point S,T and U form a horizontal straight line of 20m. Point U is to the east of point S. Point V is 15m to the north of point U. How far and in which direction is point V from point P?
- 15m towards west
  - 20m towards north
  - 10m towards west
  - 10m towards east
  - 15m towards east
45. Kunal walks 10 kilometres towards North. From there, he walks 6 kilometres towards South. Then, he walks 3 kilometres towards East. How far and in which direction is he with reference to his starting point?
- 5 kilometres West
  - 5 kilometres North-east
  - 7 kilometres East
  - 7 kilometres West
  - None of these







Empowering women to participate fully in economic life across all sectors and throughout all levels of economic activity is essential to: Build strong economies; Establish more stable and just societies; Achieve internationally agreed goals for development, sustainability and human rights; Improve quality of life for women, men, families and communities; and Propel businesses' operations and goals. Yet, ensuring the inclusion of women's talents, skills, experience and energies requires intentional actions and deliberate policies. The Women's Empowerment Principles, a partnership initiative of UN Women and UN Global Compact (UNGC), provide a set of considerations to help the private sector focus on key elements integral to promoting gender equality in the workplace, marketplace and community. Enhancing openness and inclusion throughout corporate policies and operations requires techniques, tools and practices that bring results. The Women's Empowerment Principles, forged through an international multi-stakeholder consultative process, provide a "gender lens" through which business can survey and analyze current practices, benchmarks and reporting practices. Informed by real-life business practices, the Principles help companies tailor existing policies and programmes—or establish needed new ones—to realize women's empowerment. The Principles also reflect the interests of governments and civil society and support interactions among stakeholders as achieving gender equality requires the participation of all actors. As a leader in gender equality, UN Women brings decades of experience to this partnership effort with the UN Global Compact, the world's largest corporate citizenship initiative with more than 8,000 business participants and other stakeholders involved in more than 135 countries. In an increasingly globalized and interconnected world, utilizing all social and economic assets is crucial for success. Yet, despite progress, women continue to confront discrimination, marginalization and exclusion, even though equality between men and women stands as a universal international precept—a fundamental and inviolable human right. Nearly all countries have affirmed this value through their recognition of the standards contained in international human rights treaties, which articulate for states a

broad range of civil, political, economic, social and cultural rights. Distinctive documents highlight a spectrum of state responsibilities and human rights protections for women, indigenous peoples, children, workers and people with disabilities. Additionally, internationally agreed on documents such as the Beijing Platform for Action adopted by all 189 countries at the UN Fourth World Conference on Women in 1995 and the Millennium Declaration adopted by 189 countries in 2000, contribute to the overarching human rights framework.

1. These international standards illuminate our common aspiration for a life where the doors of opportunity are open to all. Where people can live free from violence, exercise legal redress and expect states to live up to their obligations to respect and protect the human rights of women, men and children and provide appropriate government services such as education and health.

These conventions inform national law and help shape common values adopted by institutions throughout the world. Business leaders, working in close association with their peers, with governments, nongovernmental organizations and the United Nations.

2. seek to apply these international standards that uphold an individual's rights through their specifically designed policies and programmes. Their corporate commitment, reflected through the company's mission statement and supported through public reporting on policies and practices, attests to the growing realization of how important these values are to business and their communities.

3. While much has been accomplished through the integration of principles and actions on corporate responsibility, diversity and inclusion, the full participation of women throughout the private sector – from the CEO's office to the factory floor to the supply chain – remains unfulfilled. Current research demonstrating that gender diversity helps business perform better signals that self interest and common interest can come together. UN Women, the UN Global Compact, other leading UN agencies, the World Bank and the World Economic Forum, reinforce these findings.

4. Governments also recognize that women's inclusion drives development, and acknowledge that achieving the Millennium Development Goals and national economic and



development plans requires rapidly moving towards gender equality.

5. In a globally interdependent political, social and economic environment, partnerships play an increasingly vital role to Create a vibrant business environment involving a broad spectrum of actors, collaborators, contributors and innovators to open opportunities for women and men; and Enable the active and interactive participation of governments, international financial institutions, the private sector, investors, nongovernmental organizations, academia and professional organizations to work together. In the spirit of partnership, UN Women and the UN Global Compact offer the Women's Empowerment Principles in the hope that using them as a targeted "gender lens" inspires and intensifies the efforts to bring women in at all levels.

76. Which of the following is/ are the reason(s) for Empowering women to participate fully in economic life across all sectors and throughout all levels of economic activity is essential to?
- A. Build strong economies
  - B. Establish more stable and just societies
  - C. Achieve internationally agreed goals for development, sustainability and human rights
  - D. Improve quality of life for women, men, families and communities; and Propel businesses' operations and goals
  - E. All of the above
77. How partnerships play an increasingly vital role In a globally interdependent political, social and economic environment?
- A. Create a vibrant business environment involving a broad spectrum of actors, collaborators, contributors and innovators to open opportunities for women and men
  - B. Enable the active and interactive participation of governments, international financial institutions, the private sector, investors, nongovernmental organizations, academia and professional organizations to work together
  - C. In an increasingly globalized and interconnected world, utilizing all social and economic assets is crucial for success
  - D. Both A and B
  - E. All of the above

78. Which of the following provide a set of considerations to help the private sector focus on key elements integral to promoting gender equality in the workplace, marketplace and community?
- A. a partnership initiative of UN Women and UN Global Compact (UNGC)
  - B. UN Fourth World Conference on Women
  - C. World labor organization
  - D. World economic forum
  - E. All of the above
79. Which among the following is FALSE according to the passage given above?
- A. Distinctive documents highlight a spectrum of state responsibilities and human rights protections for women, indigenous peoples, children, workers and people with disabilities
  - B. UN Women and the UN Global Compact offer the Women's Empowerment Principles in the hope that using them as a targeted "gender lens" inspires and intensifies the efforts to bring women in at all levels
  - C. ensuring the inclusion of women's talents, skills, experience and energies requires intentional actions and deliberate policies
  - D. Enhancing openness and inclusion throughout corporate policies and operations requires techniques, tools and practices that bring results
  - E. None of These
80. What according to the passage Current research demonstrate?
- A. Establish benchmarks that quantify inclusion of women at all levels
  - B. Support gender-sensitive solutions to credit and lending barriers
  - C. gender diversity helps business perform better signals that self interest and common interest can come together
  - D. Ensure that workplace policies and practices are free from gender-based discrimination
  - E. All of the above
81. Which among the following is MOST SIMILAR in meaning to the word "forged"?
- A. recede
  - B. retrogress
  - C. prescribe
  - D. adorn
  - E. back down

82. Which among the following is MOST OPPOSITE in meaning to the word "reinforce"?
- A. fortify                      B. harden  
C. trigger                      D. emphasize  
E. undermine
83. Which among the following is MOST SIMILAR in meaning to the word "articulate"?
- A. describes                      B. sophisticated  
C. aligned                      D. unintelligible  
E. misrepresented
84. Which among the following is MOST OPPOSITE in meaning to the word "conventions"?
- A. rally                      B. clambake  
C. strangeness                      D. show  
E. assemblage
85. Which among the following is MOST SIMILAR in meaning to the word "intensifies"?
- A. soothe                      B. flak  
C. accent                      D. freak  
E. weaken

**Directions (86-90):** Rearrange the following six sentences A, B, C, D, E and F in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- A. Building of these structures requires a lot of fuel to be burnt which emits a large amount of carbon dioxide in the atmosphere.
- B. The major source of carbon dioxide is power plants.
- C. Another twenty per cent of carbon dioxide emitted in the atmosphere comes from burning of gasoline in the engines of vehicles.
- D. Buildings, both commercial and residential represent a larger source of global warming pollution than the said cars and trucks.
- E. The major cause of global warming is the emission of greenhouse gases like carbon dioxide, methane, nitrous oxide, etc. into the atmosphere.
- F. These power plants emit large amounts of carbon dioxide produced from burning of fossil fuels for the purpose of electricity generation.

86. Which of the following should be the SECOND sentence after rearrangement?
- A. E                      B. B  
C. C                      D. D  
E. A

87. Which of the following should be the THIRD sentence after rearrangement?
- A. A                      B. B  
C. C                      D. D  
E. E
88. Which of the following should be the FIRST sentence after rearrangement?
- A. A                      B. B  
C. C                      D. D  
E. E
89. Which of the following should be the SIXTH sentence after rearrangement?
- A. A                      B. B  
C. C                      D. D  
E. E
90. Which of the following should be the FOURTH sentence after rearrangement?
- A. A                      B. B  
C. C                      D. D  
E. E

**Directions (91-95):** Read each sentence to find out whether there is any grammatical mistake/ error in it. The error, if any, will be in one part of the sentence. Mark the part with the error as your answer. If there is no error, mark 'No error' as your answer. (Ignore the errors of punctuation if any).

91. Keeping in mind/that power cuts are on different days in different areas/the change in the factory law would enable individual factories within an area/to determining their own weekly holidays.
- A. Keeping in mind  
B. That power cuts are on different days in different areas  
C. The change in the factory law would enable individual factories within an area  
D. To determining their own weekly holidays  
E. No Error
92. The Board's decision has provided (A) / employees with the opportunity (B) / to acquire up to 100 (C) / shares by the company. (D) / No error (E)
- A. The Board's decision has provided  
B. employees with the opportunity  
C. to acquire up to 100  
D. shares by the company  
E. No error

