SBI CLERK

TEST SERIES

DATE- __/__/__

DAY- _____

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 14

QUESTION- 100   **MARKS- 100**   **NEGATIVE MARK- 0.25**   **DURATION- 60 MIN.**

1. Use only ball pens with black or blue ink
2. As soon as the examination starts, you must check this question booklet and if there is any unprinted, mutilated or partially printed page or question in it, then replace it with the correct question booklet through the examiner.
3. There are a total of 100 questions in this question booklet.
4. This is an objective test, in which four options are given for the answer to each question, you have to choose only one option with the correct answer out of these four options.
5. Answers to all questions are to be written on separate answer sheets.

6. Instructions for filling the answer sheet are written on the back side of the answer sheet, read them carefully before filling the answer sheet.
7. Blank pages are available in this question booklet for rough work.
8. Candidates cannot leave the room before the end of the examination.
9. After the examination is over, you can go out only with his permission after submitting the ORIGINAL COPY of the answer sheet to the invigilator.
10. After the completion of the examination, the candidate is allowed to take the question booklet and answer sheet with him/her.
11. 1 marks will be given for each correct answer and 0.25 marks will be deducted for each wrong answer.

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Reasoning Ability

Direction (1-3): In the following questions assuming the given statement to be true, find which of the conclusion(s) among given conclusions is/are definitely true, and then give your answers accordingly.

1). Statement:
L < K > N > O ≥ P = Q > I ≤ V
Conclusion:
I. N > I
II. V < P

(a) Only I follows   **(b)** Only II follows

(c) Either I or II follows   **(d)** Both I and II follow

(e) Neither I nor II follows

2). Statement:
M > A ≥ R = S ≥ H ≥ L
Conclusion:
I. A > L
II. L = A

(a) Only I follows   **(b)** Only II follows

(c) Either I or II follows   **(d)** Both I and II follow

(e) Neither I nor II follows

3). Statement:
H ≥ S > T ≥ E = U ≥ I < O = P < M
Conclusion:
I. H > I
II. I < M

(a) Only I follows   **(b)** Only II follows

(c) Either I or II follows   **(d)** Both I and II follow

(e) Neither I nor II follows

Direction(4-8): Study the following information carefully and answer the given questions.
Eight people i. A, B, C, D, E, F, G, and H were born in different years i. 1981, 1989, 1991, 1994, 1997, 1998, 2004, and 2005 but not necessarily in the same order.
(Note: Consider the base year as 2021)
Age of G is an odd number. The difference between the age of G and A is 13. The number of people who were born after A is the same as the number of people who were born before F. Four people were born between C and F. Two people were born between C and B .Difference between the age of B and E is 9 .H is younger than B.

4). What is the sum of the ages of H and B?

(a) 47   **(b)** 33   **(c)** 40   **(d)** 62   **(e)** None of these

5). Who amongst the following is 23 years old?

(a) B   **(b)** D   **(c)** H   **(d)** C   **(e)** None of these

6). What is the age of H?

(a) 30   **(b)** 17   **(c)** 32   **(d)** 23   **(e)** None of these

7). How many people were born between B and A?

(a) Three   **(b)** One   **(c)** More than three   **(d)** None

(e) Two

8). Who amongst the following was born in 1994?

(a) F   **(b)** G   **(c)** A   **(d)** H   **(e)** None of these

9). Four of the following five are alike in a certain way and hence form a group. Which amongst the following does not belong to that group?

(a) LOJ   **(b)** OQM   **(c)** GJE   **(d)** UXS   **(e)** KNI

10). How many such pairs of letters are there in the word SUBMARINE each of which has as many letters between them as in the English alphabet in both forward and backward directions?

(a) One   **(b)** Two   **(c)** Three   **(d)** Four

(e) More than Four

11). If it is possible to make one meaningful word with the 2nd, 4th, 5th, 7th,8th, and 9th letters of the word TREMENDOUS, which of the following will be the second letter of that word from the right enIf no such word can be made, give 'X' as the answer and if more than one such word can be made, give 'V' as the answer.

(a) R   **(b)** D   **(c)** U   **(d)** V   **(e)** X

12). How many such pairs of digits are there in the number '3614729' which have as many digits between them in the number as they have between in numerical series (in forward and backward both directions)?

(a) Four   **(b)** Three   **(c)** One   **(d)** More than four

(e) Two

13). How many such pairs of digits are there in the number '96825173' which have as many digits between them in the number as they have between in numerical series (in forward and backward both directions)?

(a) One   (b) Two   (c) Three   (d) Four

(e) More than four

---

14). If in the given word WONDERFUL each of the consonants is changed to the next letter and each vowel is changed to the previous letter then they are arranged alphabetically from the left to the right then which of the following will be the seventh word from the left?

(a) O   (b) G   (c) S   (d) T   (e) X

Direction(15): Study the digit-letter sequence carefully and answer the questions given below:

T 1 Y V A 9 B N 2 L P O 5 K W 4 Z D F C 6 G U 3 H 7 J E 8 M

15). How many numbers are there between the fifth element from the right end and ninth element from the left end?

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

(e) None of these

Direction(16-17): Study the following information carefully and answer the given questions.
Point A is 10m South of Point Point C is 22m east of Point Point H 5m south of Point Point D 15m east of Point H and Point M 4m south of Point D

16). If a man has to travel to Point M from Point A (through these points by the shortest distance), which of the following points will be pass through first?

(a) B   (b) C   (c) D   (d) H   (e) None of these

---

17). Point M is in which direction with respect to Point A?

(a) East   (b) West   (c) South West   (d) North east

(e) None of these

Direction(18): Study the following data carefully and answer the questions accordingly.
Shyam starts walking from point A towards north and stops at some point after 15m. Then he takes a left turn and walks another 10m. After that he turns towards the south and walks from 5m. Then he takes a right turn and walks for another 10 m. Finally he takes a left turn and stops after 8m.

18). If shyam goes 2m south after the end point and stops at Point X then, what is the shortest distance between Point X and Point A?

(a) 12m   (b) 19m   (c) 20m   (d) 8m

(e) None of these

Direction(19-20): Study the following information and answer the given questions.

Six people i. , A, B, C, D, E, and F are the member of a family. B is the mother-in-law of A who is the

father of Only one person is elder than E who is 58 years olD is the niece of Sum of the age of C and F is 65. A's wife is 2 years younger than him. C is the male member and he is younger than F is older than A. C's grandfather is the elder brother of Difference between the age of E and A is 28. More than three persons are elder than Difference between the age of B and her brother-in-law is 2. Difference between the age of C and D is 25.

19). How many people are younger than C's Mother?

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

---

20). What is the relation of D with respect to the one who is the eldest in the family?

(a) Daughter-in-law   (b) Grandson

(c) Granddaughter   (d) Daughter   (e) Son

Direction(21-25): Study the following information carefully and answer the following question.
Six people i. , A, B, C, D, E, and F are going abroad on the 2nd and 19th of three different months i. September, October and November. All of them like different items i. Fruit, Butter, Marmalade, Jelly, Milk and CurAll the information is not necessarily in the same order.
C goes in the month having 31 days. Only two people go between C and the one who likes CurA and the one who likes Curd go in the same month. The number of people who go after A is the same as the number of people who go before F. One person goes between F and the one who likes Butter. The one who likes Jelly goes before the one who likes Butter. Neither F nor C likes Jelly. Three people go between B and the one who likes Jelly. One person goes between D and the one who likes Milk. The one who likes Fruit goes before the one who likes Marmalade.

21). Who amongst the following likes Fruit?

(a) D   (b) C   (c) F   (d) A   (e) None of these

---

22). How many people go after the one who likes Milk?

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

---

23). B goes on which amongst the following dates?

(a) 19th october   (b) 2nd November

(c) 19th November   (d) 19th September

(e) None of the above

---

24). A likes which of the following Items?

(a) Jelly   (b) Curd   (c) Butter   (d) Fruit

(e) None of the above

---

25). How many people go between C and the one who likes Jelly?

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

Direction(26-30): Study the following information carefully and answer the following questions. Eleven people i. A, B, C, D, E, P, Q, R, S, T and U sit in a circular table with equal distance to each other. All of them face towards the center of the tablThree people sit between Q and C sits third to the right of Two people sit between C and T. Number of people sit between T and Q is same as number of people sit between T and A. D sits third to the left of A. U sits second to the right of R. U does not sit near Two people sit between E and P. E does not sit near S.

26). How many people sit between A and S when counted from right of S?

(a) Five   **(b)** Three   **(c)** One   **(d)** Four   **(e)** Six

27). What is the position of E with respect to C?

(a) Immediate right   **(b)** Fourth to the left

(c) Second to the right   **(d)** Third to the left

(e) None of these

28). Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to that group?

(a) Q,D   **(b)** R,A   **(c)** E,S   **(d)** P,C   **(e)** E,B

29). Who sits third to the left of D?

(a) S   **(b)** P   **(c)** B   **(d)** E   **(e)** None of these

30). Which statement is true?

I. T sits near A

II. E sits third to the right of R

III. Only two people sit between S and Q when counted from right of Q.

(a) Both II and III   **(b)** Only II   **(c)** Only III

(d) Both I and III   **(e)** All are correct

Direction(31-35): Study the following information and answer the given questions.

Eight people live in an eight-story building. Only one person lives on each floor. The ground floor is numbered 1 and the top floor is numbered 8. Each person is from different country. C lives immediately below L, who does not belong to Italy.

The one who is from UK lives on the sixth floor. Four people live between the ones, who belong to USA and Germany. B is not from UK. More than two people live below the one, who belongs to Spain. One person lives between K who does not belong to Russia and the one who belongs to UK. The one, who belongs to Spain, lives near K but not on the seventh floor. Three people live between the one, who belongs to USA and D, who lives below K and does not belong to Russia and

FrancF lives on an odd-numbered floor below the fifth floor and five people live between F and A belongs to Canada.

31). How many people live between B and the one who is from Spain?

(a) Two   **(b)** Three   **(c)** One   **(d)** None

(e) More than three

32). If 'A' is related to 'Russia' and 'D' is related to 'UK' then, in the same way 'E' is related to__.

(a) France   **(b)** Spain   **(c)** Germany   **(d)** Italy

(e) None of these

33). Which amongst the following person belongs to France?

(a) D   **(b)** K   **(c)** F   **(d)** B   **(e)** None of these

34). L is related to which country?

(a) USA   **(b)** UK   **(c)** Canada   **(d)** Italy

(e) None of these

35). How many people live above K?

(a) Four   **(b)** Five   **(c)** Three   **(d)** Six   **(e)** None

Numerical Ability

Direction (1-9): What will come in the place of the question mark (?) in the following questions?

1). $[(125)^2 + (195)^2] \div ? = 1073$

(a) 65   **(b)** 70   **(c)** 60   **(d)** 50   **(e)** 55

2). $\sqrt[4]{6561} \div \sqrt[4]{81} = \sqrt[4]{?}$

(a) 81   **(b)** 9   **(c)** 27   **(d)** 243   **(e)** None of these

3). $\sqrt{4356} \div 2.2 = ? \times 0.25$

(a) 130   **(b)** 85   **(c)** 75   **(d)** 90   **(e)** 120

4). $\sqrt{\sqrt{1936} + \sqrt{7744} + \sqrt{1369}} \div 1.3 = ?$

(a) 100   **(b)** 10   **(c)** 13   **(d)** 130   **(e)** 20

5). $16.5 \times 4 + 9.7 - 11.3 = (0.4 \times 16.1) \div ?$

(a) 100   **(b)** 30   **(c)** 0.1   **(d)** 15   **(e)** 16

6). (5555 ÷ 50) + (685 ÷ 25) + (5420 ÷ 40) = ?

(a) 320 **(b)** 316 **(c)** 284 **(d)** 240 **(e)** 274

---

7). 48% of 325 + 32% of 247. 5 = 60% of ?+ ?% of 180

(a) 132 **(b)** 66 **(c)** 118 **(d)** 98 **(e)** 78

---

8). ?% of 900 = 394 − 22% of 850

(a) 34 **(b)** 23 **(c)** 17 **(d)** 13 **(e)** 33

---

9). $\sqrt{?}$ + 331 = 75% of 960 − 373

(a) 18 **(b)** 324 **(c)** 16 **(d)** 256 **(e)** 484

---

10). On a sum the difference between simple interest and compound interest at rate of 15% p. a. for two years is Rs. 40. 5. Find the amount after 2 years if same sum invested at 25% p. a. compounded annually.

(a) Rs. 3224. 2 **(b)** Rs. 2812. 5 **(c)** Rs. 3612

(d) Rs. 2424 **(e)** Rs. 1612. 5

---

11). Amount of Rs. P is put at 20% CI per annum. If the interest obtained only in third year be Rs. 2700, then find the value of P?

(a) 29375 **(b)** 32455 **(c)** 42765 **(d)** 56750

(e) 46875

Direction(12-13): In the following question two equations are given in variables x and y. You have to solve these equations and determine the relation between x and y.

12). $x^3 + 675 = 800$

II. $y^2 + 27y + 152 = 0$

(a) x > y **(b)** x ≤ y **(c)** x < y **(d)** x ≥ y

(e) x = y or relationship between x and y can't be established

---

13). I. $x^2 − 14x − 147 = 0$

II. $y^2 − 30y + 144 = 0$

(a) x > y **(b)** x ≤ y **(c)** x < y **(d)** x ≥ y

(e) x = y or relationship between x and y can't be established

---

14). A, B and C started a business with the investment of Rs. 4500, Rs. 5000 and Rs. 3600. At the end of the year the total profit is Rs. 2640. C's profit share is half of A's profit share and A's profit share is Rs. 240 less than that of B's profit

sharWhat is the ratio of the investment period of A, B and C respectively.

(a) 9 : 5 : 8 **(b)** 8 : 10 : 7 **(c)** 7 : 5 : 6 **(d)** 8 : 9 : 5

(e) None of these

---

15). Train X is running with the speed of 84 km/h and crosses a 320 m long bridge in 24 seconds while train Y is running with the speed of 90 km/h and crosses a tree in 8 seconds. Find the ratio of the length of train X to train Y.

(a) 3 : 2 **(b)** 5 : 4 **(c)** 6 : 5 **(d)** 5 : 3

(e) None of these

---

16). A Labourer works for 90 hours in a week, and earn Rs. 7200. If his per hour wages increased by 25% and his working hours decreased by (100/9)% then what will be the percentage effect on his wages?

(a) Decreased by $\dfrac{100}{9}$% **(b)** Decreased by $16\dfrac{2}{3}$ %

(c) Increased by $\dfrac{100}{9}$ % **(d)** Increased by 12%

(e) None of these

---

17). Ratio of downstream speed and upstream speed of the boat is 5 : 4 . Difference between the time taken in travelling a distance of 80 km upstream and some distance downstream is 1 hour. What is the speed of the stream?

(a) 5 km/h **(b)** 2 km/h **(c)** 4 km/h **(d)** 3 km/h

(e) None of these

---

18). A fruit dealer has 228 kg of grapes. A part of grapes is sold at 15% profit and the remaining part is sold at 23% loss. On overall transaction dealer has a profit of 5%. Find the quantity of grapes sold at 15% profit.

(a) 175 kg **(b)** 182 kg **(c)** 152 kg **(d)** 168 kg

(e) 144 kg

---

19). Anil invested 10% more than Sourav. Sourav invested 20% less than princIf the total sum of their investment is Rs. 34840. How much amount did Prince invest?

(a) 10000 **(b)** 13000 **(c)** 11000 **(d)** 17000

(e) 15000

---

20). Today, Meenakshi as old as Sonali will be seven years from now. Present age of Meenakshi is 1. 5 times of her age three years ago. What will be the ratio of the ages of Meenakshi and Sonali two years hence?

(a) 4 : 11 **(b)** 11 : 4 **(c)** 5 : 12 **(d)** 12 : 5

(e) 11 : 12

21). What is the HCF of 504 and 936?

(a) 36   **(b)** 72   **(c)** 54   **(d)** 60   **(e)** None of these

---

22). The ratio of the present age of Mithlesh and Bimlesh is 2 : 3. After seven years, the ratio of their ages will be 5 : 7. If the present age of Mithlesh's daughter is 3/7 of present age of Bimlesh, what is the present age of Mithlesh's daughter?

(a) 18 years   **(b)** 21 years   **(c)** 15 years

(d) 27 years   **(e)** None of these

---

23). A person sold an article for Rs. 4800 and got a profit of 20%. Had he sold the article for Rs. 4400, how much profit would he have got?

(a) 10%   **(b)** 25%   **(c)** 22%   **(d)** 20%   **(e)** 15%

---

24). Three inlet pipes A, B, and C working together can fill a swimming pool in 7 hours. Pipes B and C are opened together for 8 hours and then the remaining pool is filled by pipe A alone in the next 4. 5 hours. Find the time taken by pipe A alone to fill this swimming pool.

(a) 27. 4 hours   **(b)** 24. 5 hours   **(c)** 20 hours

(d) 21. 3 hours   **(e)** 27. 2 hours

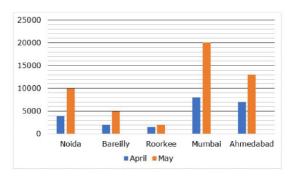Direction(25-29): In the following number series, only one number is wrong

25). Find out the wrong number.
940, 500, 280, 160, 115, 87. 5

(a) 940   **(b)** 160   **(c)** 115   **(d)** 280   **(e)** 87. 5

---

26). 368, 178, 84, 38, 14, 6, 2

(a) 178   **(b)** 84   **(c)** 14   **(d)** 38   **(e)** 6

---

27). 13. 375, 12. 197, 11. 331, 10. 729, 10. 243, 10. 125

(a) 12. 197   **(b)** 11. 331   **(c)** 10. 729   **(d)** 10. 243

(e) 10. 125

---

28). 55, 150, 536, 1681, 3154, 3153

(a) 1681   **(b)** 150   **(c)** 3154   **(d)** 536   **(e)** 3153

---

29). Find out the wrong number.

50, 26, 27, 41. 5, 84, 212

(a) 27   **(b)** 26   **(c)** 41. 5   **(d)** 84   **(e)** 212

Direction (30-35): Study the data carefully and answer the questions that follow.

The bar chart given below shows the number of Corona-virus patients in different cities during different months.

30). The number of Corona-virus patients in Mumbai in April are how much percent more or less than the Corona-virus patients in Roorkee in May?

(a) 100% more   **(b)** 200% less   **(c)** 300% more

(d) 400% less   **(e)** 500% more

---

31). Find the ratio of number of Corona-virus patients in Noida and Mumbai together in April to the number of Corona-virus patients in Ahmedabad in April and May together.

(a) 1 : 3   **(b)** 3 : 5   **(c)** 3 : 7   **(d)** 5 : 9   **(e)** 7 : 11

---

32). Find the total Corona-virus patients in all the cities together in April and May.

(a) 65750   **(b)** 70000   **(c)** 72500   **(d)** 75500

(e) 77500

---

33). If the number of corona virus patients in April in other city Surat is 500 more than the patients of Bareilly in May and in May, the number of Corona-virus patients in Surat are 1000 more than patients in Roorkee in May. Find the difference between the Corona-virus patients of Ahmedabad and Surat.

(a) 15500   **(b)** 9850   **(c)** 13800   **(d)** 11500

(e) 10500

---

34). Number of Corona-virus patients in Bareilly in May are what percentage of number of Corona-virus patients in Roorkee and Ahmedabad together in same month?

(a) $33\frac{1}{3}$ %   **(b)** 25%   **(c)** 36%   **(d)** 40%

(e) $22\frac{1}{2}$ %

---

35). Find the difference between the number of Corona-virus patients in Bareilly and Roorkee in the 2 months together and the number of Corona-virus patients in Noida and Mumbai in the 2 months together.

(a) 35600   **(b)** 17800   **(c)** 29200   **(d)** 25900
(e) 31500

English Language

1). Do you wanted / to discuss this/ project today or can / we do it tomorrow?

(a) Do you wanted   **(b)** to discuss this

(c) project today or can   **(d)** we do it tomorrow

(e) No error

---

2). Dr. Shah was explain / the benefits of /exercising at least /five times a week.

(a) Dr. Shah was explain   **(b)** the benefits of

(c) exercising at least   **(d)** five times a week

(e) No error

---

3). The gains came after India's cabinet/ late on Tuesday cleared a plan to/ inject 2. 11 trillion rupees ($32. 4 billion) into/ the state-run lenders over two years.

(a) The gains came after India's cabinet

(b) Late on Tuesday cleared a plan to

(c) Inject 2. 11 trillion rupees ($32. 4 billion) into

(d) The state-run lenders over two years   **(e)** No error

---

4). The customers were asked to / give their feedback after / using the try pack of the / new detergent powder.

(a) The customers were asked to

(b) give their feedback after

(c) using the try pack of the

(d) new detergent powder   **(e)** No error

---

5). Disadvantaged (1) on the corrosive (2) effects of extreme inequality show that the gulf between the rich and advantaged (3) and the poor and research (4) are getting wider rather than narrower.

(a) 1-2   **(b)** 1-3   **(c)** 1-4   **(d)** 2-3

(e) No exchange required

---

6). The row significant (1) the chancellor and the business secretary is not as simple as a joust (2) semantic (3), but a between (4) fight over the economic direction of the government.

(a) 1-2 and 3-4   **(b)** 2-3 and 3-4   **(c)** 1-2

(d) 1-4 and 2-3   **(e)** No exchange required

---

7). Recent reports pervaded (1) the extent to which a culture of cover-up has unveiling (2) the higher echelons (3) of the religious institution have disillusioned (4) and alienated millions of followers.

(a) 1-3   **(b)** 2-3   **(c)** 2-4   **(d)** No exchange required

---

8). The big automate (1) has been blamed for sucking (2) sales out of the high streets and is now threatening (3) to company (4) workers out of existenc

(a) 1-2   **(b)** 1-4   **(c)** 2-3   **(d)** 3-4

(e) No exchange required

---

9). The people in power have always displayed a penchant (1) for ignoring standards of openness (2), attacking key subverting (3) institutions and democratic (4) governance norms.

(a) 1-2   **(b)** 1-3   **(c)** 2-3   **(d)** 3-4

(e) No exchange required

---

10). Despite the fact that she have been stigmatized owing to her rich upper-middle-class background, she never presented herself as a victim.

(a) In spite of the fact she is stigmatized

(b) For the reason she was stigmatized

(c) Because she has been stigmatized

(d) Despite the fact that she was stigmatized

(e) No correction required

---

11). Dreams of many a students to pursue higher studies remain unfulfilled due to financial constraints.

(a) Dream of many student to pursue

(b) Dreams of much students for pursue

(c) Dream of so many students to pursuing

(d) Dreams of many a student to pursue

(e) No correction required

---

12). This was one of those encounters in which a cop allows himself to get much too angrily when a civilian did not submit to his authority and did the opposite.

(a) Cop allows him to get much angry

(b) Cop allowed himselves to get too angry

(c) Cop allowed himself to get much too angry

(d) Cops allows himself to get much too angry

(e) No correction required

---

13). The billionaire oftenly went about town in rags as though he was an impoverished homeless man.

(a) A billionaire always went for

(b) An billionaire scarcely went to

(c) The billionaire often went about

(d) The billionaire often went before

(e) No correction required

---

14). My obligation is to provide the best information about the disease and all the treatment options, and let the patient decide for themself.

(a) Let the patients decide for themselves

(b) Let the patients decide for himself

(c) Let the patient decide for oneself

(d) Let the patients decide by themself

(e) No correction required

Direction(15-19): If human beings should ever wish to build bases on the Moon, those bases will need water. Residents will require it not only for their own sustenance but also as a raw material for rocket fuel to power adventures farther afield—Mars, for example Given the cost of blasting things off the surface of Earth, however, such a base would be best served by finding its water locally.

A study led by a professor at the University of Colorado, shows that more of the Moon's surface is in perpetual shadow than was previously believe This matters because ice—the form in which any lunar water is likely to exist—would be stable and long-lived in such cold, shaded regions. Most of the lunar surface is bathed in harsh ionising radiation from the sun, so any water molecules present would swiftly be torn apart or disappear into spacBut his work calculates that there are around 40,000 square kilometres of these ice-preserving "cold traps" on the Moon.

Despite the Moon being Earth's closest and most studied celestial neighbour, the presence of water there was confirmed only recently, by a gradual accumulation of evidencIn October 2009, NASA crash-landed the spent stage of an Atlas V rocket into a crater near the Moon's south polThey chose Cabeus because it was known to have areas in perpetual shadow. The impact was followed

minutes later by LCROSS, the Lunar Crater Observation and Sensing Satellite, its cameras trained on the site taking pictures and measurements of the resulting cloud of debris. Another scientist found that an absorption line at six microns in the reflected sunlight. This confirmed that, here at least, between one and four parts in 10,000 of the material of the lunar surface is water.

How useful such water would be for future missions depends, though, not only on how much of it there is but also on how it is stored in the regolith. One possibility is that it exists as ice crystals in microscopic voids between regolithic grains. If that is true, lunar settlers could simply heat the regolith up to liberate its water. The scientist thinks, however, that the water she has found is more likely to be trapped in tiny glassy beads that form when the lunar surface is hit by micrometeorites.

Extracting water from such beads would not be straightforwarA more promising source is the ice thought to exist in cold traps. The scientist's team used high-resolution images to identify potential cold traps all across the Moon's surfacThere are more than had been hoped for, and they range in size from several kilometres to a few centimetres across. Most, as expected, are found near the poles, where the sun, when visible, remains near the horizon and shadows are consequently long. But a small number also exist at lower latitudes, created by craters or other surface variations that might be small but nevertheless maintain shadows where the temperatures stay low enough to accumulate ice.

Just because cold traps exist, however, does not mean they have trapped anything. In November 2023 NASA hopes to launch a mission to the Moon's south polThis craft will be armed with instruments designed to prospect the landing area for minerals and ice.

The recent works, then, give mission planners something to think about. Deciding where to site a base, should one ever be built, has always been a balance between the availability of water for food and fuel, and of sunlight for power. The idea of doing so at the south pole, to provide the water, would have come at the cost of astronauts having to work and live in pitch-dark conditions where temperatures rarely exceed -160°The possibility that better-lit and marginally less hostile parts of the lunar surface might have water as well will be a welcome prospect.

15). Why did the progressive politicians in 1990s adopt to the language of the right?

I. The collapse of the communism system.

II. The gradual decrease of conservative parties in both continents surrounding the Atlantic Ocean.

III. A positive attitude towards the markets resulted in a global respectability.

(a) Only I   **(b)** Only II   **(c)** Both I and II

(d) Both I and III   **(e)** All I, II and III

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16). What did the governments around the world do to show its change of attitude towards the market?

I. Privatisation of the firms owned by the government.

II. Discontinued the welfare programmes funded by the government.

III. Deregulation of the industries from government's supervision.

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

(e) All I, II and III

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17). How did the US start its deregulation of the market?

(a) By removing restrictions on airline routes followed by telecommunications, media, and financial services.

(b) By adding more restrictions on airline routes followed by telecommunications, media, and financial services.

(c) By removing restrictions on train routes followed by media, and financial services.

(d) By nationalising airline routes followed by telecommunications, media, and financial services.

(e) All of the above

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18). The Financial Services Modernization Act resulted in _____.

(a) Forming a vast housing market by non-commercial banks with investment banks.

(b) Forming vast financial supermarkets by combining commercial banks with investment banks.

(c) Forming an open economy where lending became easier for commercial and investment banks.

(d) Rise of the capitalist banking system we see today.

(e) None of the above

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19). Which of the following statement is TRUE as per the passage?

I. The Wall Street market has the ability to regulate itself.

II. No single Wall Street firm can corner the market and be determinant of the market price.

III. The invisible hand of market will be unable to change acts of selfishness into socially desirable collective outcomes.

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

(e) All I, II and III

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20). What does the carrot-and-stick mechanism of the market ensure?

(a) The resources are used productively and make the market economy more efficient and dynami

(b) The resources are wasted as there is an epidemic of overproduction.

(c) Compared to other systems, such as communism and feudalism, market economy lacks innovation.

(d) The lack of overgrowth in the market economy.

(e) None of the abov

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21). Which of the following statements will the author of the passage will agree to?

(a) Markets should be always regulated, like it was regulated under a communist system.

(b) Markets must always be free from regulation as a regulated market means decreased growth.

(c) Friedrich Hayek, Milton Friedman, Arthur Laffer, Sir Keith Joseph—are left-wing supporters.

(d) Markets free from regulations does not mean it will always have positive outcomes.

(e) None of the above

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22). Which of the following words has a similar meaning to the word highlighted in the passage?

Shepherd

(a) Guide **(b)** Mislead **(c)** Provide **(d)** Conform

(e) Abandon

Direction (23-26): The following question carries a statement with four highlighted words. The words are denoted by (A), (B), (C) and (D). One of these words may either be misspelt or incorrect in the given context. Identify the incorrect worlf all the words are correct, mark option E, 'All are correct' as your answer.

23). He refused (A) to acknowlege (B) that he was the one at fault (C) and continued to play the victim. (4)

(a) A **(b)** B **(c)** C **(d)** D **(e)** All are correct

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24). The child prodigy (A) made a drawing (B) that was exceptional (C) in its authentisity. (D)

(a) A **(b)** B **(c)** C **(d)** D **(e)** All are correct

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25). The student worked relentlessly (A) to increase (B) his marks, and the annual (C) result proved his efforts to be frootful. (D)

(a) A **(b)** B **(c)** C **(d)** D **(e)** All are correct

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26). The King removed (A) the regent (B) from power as soon (C) as he came of age, and sent him into exil(D)

(a) A **(b)** B **(c)** C **(d)** D **(e)** All are correct

27). Rearrange all the segments to form a coherent statement.

A) organizations around the world are

B) India is no exception

C) looking for professionals trained in

D) cloud computing and machine learning and

E) advanced technologies such as artificial intelligence,

(a) BADEC **(b)** BCDEA **(c)** ACEDB **(d)** DABEC **(e)** DCBAE

28). A) the physical card-reading devices

B) portals found in online stores

C) found in brick-and-mortar retail stores

D) but also the payment processing

E) payment gateway includes not only

(a) EDCBA **(b)** EACDB **(c)** EBADC **(d)** CABED **(e)** EDCBA

29). Rearrange all the segments to form a coherent statement.

A) taken up by the government

B) and private players alike

C) the pandemic witnessed

D) several digital

E) education initiatives being

(a) ABEDC **(b)** BACDE **(c)** EBACD **(d)** CDEAB **(e)** DBCAE

30). Rearrange all the segments to form a coherent statement.

A) peoples across the world

B) with the experiences

C) languages resonate

D) the tribe's loss of

E) of other indigenous

(a) ACBDE **(b)** ADBCE **(c)** ABCDE **(d)** BDCEA **(e)** DCBEA