

Prepp

Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPS



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

SSC GD Constable 2022 (English) Prev. Year Paper (13-Jan-2023) (Shift 2)

Total Time: 1 Hour

Total Marks: 160

Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	General Intelligence and Reasoning	20	40	0.5	2
2	General Knowledge and General Awareness	20	40	0.5	2
3	Elementary Mathematics	20	40	0.5	2
4	English	20	40	0.5	2

- 1.) A total of 60 minutes is allotted for the examination.
- 2.) The server will set your clock for you. In the top right corner of your screen, a countdown timer will display the remaining time for you to complete the exam. Once the timer reaches zero, the examination will end automatically. The paper need not be submitted when your timer reaches zero.
- 3.) There will, however, be sectional timing for this exam. You will have to complete each section within the specified time limit. Before moving on to the next section, you must complete the current one within the time limits.

General Intelligence and Reasoning

1. Which of the following numbers will replace the question mark (?) in the given series? (+2, -0.5)

9, 17, ?, 57, 89, 129

- a. 23
- b. 33
- c. 20
- d. 35

2. Which letter cluster will replace the question mark (?) to complete the given series? (+2, -0.5)

YAFU, CRRE, ?, KZPY, OQBI

- a. FMBR
- b. FYWD
- c. GIDO
- d. GRXO

3. Eight people, A, B, C, D, E, F, G and H are sitting in a straight line, facing north. (+2, -0.5)
Only three people sit to the right of A. Only one person sits between A and B.
Only four people sit between B and D. F sits to the immediate right of D. C is neither an immediate neighbour of B nor D. E sits second to the right of G.
How many people sit between H and A?

- a. None

- b. Two
- c. Three
- d. One





4. In a certain code language, the word 'FORM' is numerically coded as 25. (+2, -0.5)
The word 'SUIT' is numerically coded as 96 . How is the word 'RING'
numerically coded in the same code language?

- a. 24
- b. 84
- c. 42
- d. 48

5. Select the option figure which is embedded in the given figure. (Rotation is (+2, -0.5)
NOT allowed)

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- a. 
- b. 
- c. 
- d. 

6. Which two signs should be interchanged to make the below equation mathematically correct? (+2, -0.5)

$$128 - 8 + 96 \div 16 \times 20 = 16$$

- a. \times and \div
- b. $-$ and $+$
- c. $+$ and \times
- d. $+$ and \div

7. Which of the following numbers will replace the question mark (?) in the given series? (+2, -0.5)

4, 9, 17, 35, ?, 139

- a. 96
- b. 69
- c. 71
- d. 70

8. In a certain code language, 'FRUIT' is written as 'HTUKV' and 'TWEAK' is written as 'VYECM'. How will 'VOWEL' be written in that language? (+2, -0.5)

- a. QXWMG
- b. QXWGM
- c. XQWGN

d. XQGWM

-
9. Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. (+2, -0.5)

Statements:

All waters are inks.

All glues are inks.

All inks are pens.

Conclusions:

I. All glues are pens.

II. All pens are waters.

III. Some pens are glues.

- a. Only conclusions I and II follow
- b. Only conclusions I and III follow
- c. All conclusions follow
- d. Only conclusions II and III follow

-
10. 'A + B' means 'A is the wife of B' (+2, -0.5)

'A - B' means 'A is the husband of B'

'A × B' means 'A is the brother of B'

'A ÷ B' means 'A is the mother of B'

If $R + T \times S - P \div Q + N$, then which of the following statements is NOT correct?

- a. Q is the mother of T
- b. P is the mother of Q
- c. T is the brother of S
- d. R is the wife of T

11. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number. (+2, -0.5)

$$4 : 30 :: 7 : ? :: 6 : 56$$

- a. 72
- b. 76
- c. 70
- d. 80

12. Select the option that is related to the third word in the same way as the second word is related to the first word. (+2, -0.5)

(The words must be considered as meaningful English words and must NOT be related to each other based on the number of letters/number of consonants/vowels in the word)

Bat : Cricket :: Racquet : ?

- a. Golf
- b. Baseball
- c. Tennis
- d. Hockey

13. Which of the following terms will replace the question mark (?) in the given series? (+2, -0.5)

FPA, HSB, IVD, KYE, ?, NEH

- a. MAG
- b. MBG
- c. LBG
- d. LAH

14. Select the figure that will come next in the following figure series. (+2, -0.5)



- a.
- b.



c.



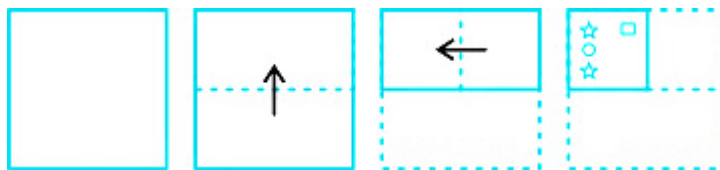
d.

15. 'Expand' is related to 'Stretch' in the same way as 'Contract' is related to '-----' (+2, -0.5)

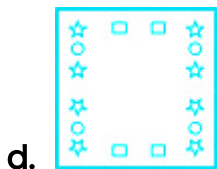
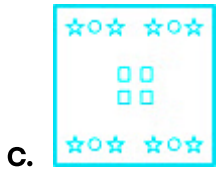
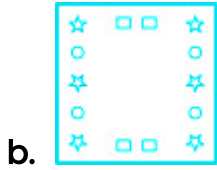
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

- a. Shrink
- b. Volume
- c. Huge
- d. Range

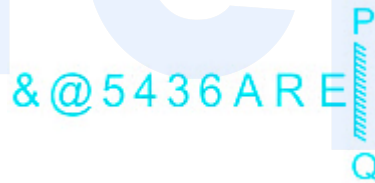
16. A paper is folded and cut as shown below. How will it appear when unfolded? (+2, -0.5)



a.



17. Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown below. (+2, -0.5)



- a. &@5436ARE
- b. &@5486ARE
- c. &@5236ARE
- d. &@5436ARE

18. Ten friends went to a restaurant to have their lunch and sat in two parallel rows facing each other, such that five members are sitting in each row. K, L, M, N, O are sitting in Row 1 facing north, while persons F, G, H, I, J in Row 2

face south. N is facing the neighbour of J. Two persons sit between J and H. I sits in the middle of the line. G does not sit at any of the corners; G is neither facing M nor K. K sits to the left of M but not immediate left. J is the immediate neighbour of the person who is sitting at the corner. N does not sit at any of the corners. L is sitting second to the left of N. How many persons are sitting between J and G?

- a. Zero
- b. One
- c. Two
- d. Three

19. Which option represents the correct order of the given words as they would appear in an English dictionary? (+2, -0.5)

- 1. MISTER
- 2. MASTER
- 3. MARTYR
- 4. MISTRESS
- 5. MARTHA

- a. 3, 5, 2, 1, 4
- b. 3, 5, 1, 2, 4
- c. 5, 3, 1, 2, 4
- d. 5, 3, 2, 1, 4

20. Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.

(+2, -0.5)

$$64 * 140 * 2 * 4 * 10$$

a. +, -, =, ÷

b. =, ÷, -, +

c. -, +, ÷, =

d. =, ÷, +, -

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General Knowledge and General Awareness

21. The Industrial Policy Resolution, 1956 classified the industries into _____ categories. (+2, -0.5)
- a. two
 - b. three
 - c. four
 - d. one
-
22. A Feature of Indian contitution i.e. Centrifugal form of federalism where the centre is stronger than the states is based on which model? (+2, -0.5)
- a. Canadian model
 - b. Britain model
 - c. Japan model
 - d. USA model
-
23. Sonal Mansingh was awarded the Sangeet Natak Akademi Award for which of the following classical dance forms? (+2, -0.5)
- a. Mohiniyattam
 - b. Manipuri
 - c. Odissi
 - d. Kathakali
-

24. What is the literacy rate among the males in India as per the Census 2011? (+2, -0.5)
- a. 80.65%
 - b. 82.14%
 - c. 81.17%
 - d. 84.35%
-

25. Atal Pension Yojana (APY), a pension scheme for citizens of India, is focused on the _____ sector workers. (+2, -0.5)
- a. unspecified
 - b. unorganised
 - c. organised
 - d. complicated
-

26. What is the standard height of a volleyball net from the ground for the men's team? (+2, -0.5)
- a. 2.53 metres
 - b. 2.43 metres
 - c. 2.23 metres
 - d. 2.33 metres
-

27. Which scheme has been proposed for development of state roads along coastal border areas, including connectivity of non major ports and major ports? (+2, -0.5)
- a. Setubharatam Pariyojana
 - b. National Highways Development Project
 - c. The Golden Quadrilateral Project
 - d. Sagarmala Pariyojana
-

28. Bhopal lake, one of the largest artificial lake of its time was built in which century? (+2, -0.5)
- a. 11th
 - b. 13th
 - c. 15th
 - d. 19th
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-

29. Which of the following is not present in a nucleus? (+2, -0.5)
- a. nucleolus
 - b. vacuole
 - c. deoxyribonucleic acid
 - d. genes
-

30. Which of the following acts passed by the Britishers disallowed Indians from possessing arms? (+2, -0.5)
- a. The Arms Act, 1878
 - b. The Arms Act, 1868
 - c. The Arms Act, 1888
 - d. The Arms Act, 1850
-

31. Who among the following has won the Balasaraswathi award for the year 2019? (+2, -0.5)
- a. Krishna Ella
 - b. Anuradha Pandey
 - c. Alarmel Valli
 - d. Mahaboob Subhani
-

32. Who was appointed as the new Chairman of CBSE in February 2022? (+2, -0.5)
- a. Prof Dinesh Prasad Saklani
 - b. Prof M Jagadesh Kumar
 - c. Vineet Joshi
 - d. Rajkumar Ranjan Singh
-

33. Who among the following was the first ruler of the Sunga dynasty? (+2, -0.5)

- a. Parammitra Sunga
 - b. Pushyamitra Sunga
 - c. Parasmitra Sunga
 - d. Pashupatinath Sunga
-

34. As of November 2022, who among the following is the Chief Minister of Delhi? (+2, -0.5)

- a. V. Narayanaswamy
 - b. Arvind Kejriwal
 - c. Pema Khandu
 - d. Manoj Sinha
-

35. Per capita income for a nation is calculated by dividing the country's national income by its ----- (+2, -0.5)

- a. liability
 - b. debt
 - c. assets
 - d. population
-

36. From which among the following countries Independence of judiciary has been borrowed in the Indian Constitution? (+2, -0.5)

- a. France

- b. USSR
 - c. United Kingdom
 - d. United States Of America
-

37. Eden Gardens cricket ground is located in which of the following city? (+2, -0.5)

- a. Chennai
 - b. Lucknow
 - c. Jaipur
 - d. Kolkata
-

38. Sodium is kept in which of the following? (+2, -0.5)

- a. Kerosene
 - b. Water
 - c. Milk
 - d. Sugar solution
-

39. Karkidaka Vavu Bali of _____ is a Hindu ritual to appease ancestors. (+2, -0.5)

- a. Kerala
- b. Maharashtra
- c. Meghalaya

d. Goa

40. Green Revolution was originated in _____.

(+2, -0.5)

a. Brazil

b. Australia

c. Mexico

d. United State of America

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Elementary Mathematics

41. In March, a shopkeeper has launched a discount scheme for 20% discount on the purchase of jeans and 12% discount on a coat. Also, he is offering 5% discount on using SBI card only to pay. Anand bought jeans of marked price of Rs.1,200 and a coat of marked price of Rs.4,500. How much does he have to pay if he pays through an HDFC Bank card? **(+2, -0.5)**
- a. Rs. 4,920
 - b. Rs. 4,560
 - c. Rs.4,674
 - d. Rs. 5,016
-
42. Akhil can complete a piece of work in 26 days. Sakshi and Akhil both can complete the same work in 20 days. They started together but Sakshi left after working for 6 days. Find the number of days in which Akhil will complete the remaining work. **(+2, -0.5)**
- a. $55/4$ days
 - b. $89/5$ days
 - c. $12/5$ days
 - d. $91/5$ days
-
43. If 24 women can complete a work in 16 days, in how many days 32 women will complete the same work? **(+2, -0.5)**
- a. 11

b. 9

c. 12

d. 10

44. A dog takes 5 leaps for every 6 leaps of a hare, but 4 leaps of the dog are equal to 5 leaps of the hare. The ratio of the speed of dog and hare is? (+2, -0.5)

a. 16 : 24

b. 24 : 16

c. 25 : 24

d. 24 : 25

45. In what ratio must water be mixed with milk costing Rs.15 per liter to obtain a mixture worth Rs.10 per liter? (water is available free of cost) (+2, -0.5)

a. 1 : 2

b. 1 : 3

c. 2 : 5

d. 2 : 3

46. If the radius of the base and the height of a cylinder are 17 cm and 49 cm respectively, then what is the curved surface area of the cylinder? (Use $\pi = 22/7$) (+2, -0.5)

a. 5244 cm²

b. 5256 cm^2

c. 5288 cm^2

d. 5236 cm^2

47. If a person weighing 40 kg joins, then the average weight of a group increases by 1 kg. If the weight of this person had been 28 kg, then the average weight of the group would have decreased by 1 kg. The actual average weight of the group is: (+2, -0.5)

a. 39 kg

b. 24 kg

c. 34 kg

d. 29 kg

48. Cost of four chairs is equal to cost of two tables. Cost of four tables is equal to cost of two boards and cost of four boards is equal to cost of two fans. If a fan costs ₹850, then the cost of a chair is: (+2, -0.5)

a. ₹425

b. ₹237.50

c. ₹106.25

d. ₹475

49. A principal gives an amount of ₹26,450 in 2 years at the rate of 15% per annum on compound interest, interest is compounding annually. What is (+2, -0.5)

the principal?

- a. ₹23,000
- b. ₹20,000
- c. ₹21,000
- d. ₹22,000

50. Find the value of y in the expression

(+2, -0.5)

$$2\frac{3}{7} \times \left[\left(11\frac{2}{6} \div \left(\frac{25}{18} + 2\frac{5}{6} - \frac{7}{36} \right) \right) \right] = y \div 72.5 \times 204$$

- a. $\frac{21}{5}$
- b. $\frac{19}{3}$
- c. $\frac{17}{7}$
- d. $\frac{15}{2}$

51. The distance 'd' a moving body travels, varies directly with time 't'. When a train travels 120 miles in 3 h, then how many miles would it travel in 8 h?

(+2, -0.5)

- a. 40
- b. 320
- c. 80
- d. 160

52. If the simple interest on a sum of money for two years at 5% per annum is Rs.50, then what is the compound interest when compounding annually at the same rate and for the same time? (+2, -0.5)

- a. Rs. 53.00
- b. Rs. 50.50
- c. Rs. 53.50
- d. Rs. 51.25

53. A toy car costs Rs. 1800. Its price is reduced to Rs. 1500 in the sale. By what percentage was the price reduced? (+2, -0.5)

- a. $60/7$ percent
- b. $80/9$ percent
- c. $100/7$ percent
- d. $50/3$ percent

54. The LCM of the three numbers 120, 240 and 480 will be: (+2, -0.5)

- a. 720
- b. 1080
- c. 960
- d. 480

55. A thief is noticed by a policeman from a distance of 380 m. The thief starts running and the policeman chases him. The thief and policeman run at the speed of 25 ,m/sec and 30 m/ sec respectively. What is the time taken by the policeman to catch the thief? (+2, -0.5)
- a. 82 sec
 - b. 56 sec
 - c. 92 sec
 - d. 76 sec
-

56. A shopkeeper decided the price of 2 sarees and 4 shirts to be ₹1,600 . With the same money, one can buy 1 saree and 6 shirts. If I want to buy 12 shirts how much shall I have to pay? (+2, -0.5)
- a. ₹1,800
 - b. ₹1,600
 - c. ₹4,800
 - d. ₹2,400
-

57. In an examination, there are three subjects of 100 marks each. A student scores 75% in the first subject and 86% in the second subject. He scored 68% in aggregate. His percentage of marks in the third subject is: (+2, -0.5)
- a. 65%
 - b. 48%
 - c. 56%

d. 43%

58. Find the number of solid spheres, each of diameter 6 cm, that can be made by melting a solid metal cylinder of height 12 cm and diameter 6 cm. (+2, -0.5)

a. 6

b. 3

c. 4

d. 2

59. A and B are two typists. One afternoon, they were each given 80 pages for typing. They divided the work equally, but B finished 40 minutes before A, who took 4 hours for the same. The next afternoon, they were again given 121 pages to type. However, this time they decided to divide the work such that they finished typing simultaneously. How many pages did A have to type? (+2, -0.5)

a. 50 pages

b. 77 pages

c. 60 pages

d. 55 pages

60. Tina gets a discount of 15 percent on a grinder whose marked price is Rs. 8200. Since she pays cash, she gets an additional 3 percent discount too. How much does she pay? (+2, -0.5)

- a. Rs. 6850.80
- b. Rs. 6760.90
- c. Rs. 6970
- d. Rs. 6560

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English

61. Select the most appropriate meaning of the given idiom. (+2, -0.5)

Add fuel to the flames

- a. On the point of dying
- b. At the slightest signal or provocation
- c. Making a bad situation even worse
- d. Performing a desirable action

62. Fill in the blanks with appropriate homonym. (+2, -0.5)

If you want to _____ the world, you should be the one to take the first step.

- a. change (loose money)
- b. change (transfer)
- c. change (switch)
- d. change (alter)

63. Select the most appropriate synonym of the word given below to fill in the blank in the following sentence. (+2, -0.5)

Austere

My uncle said, "Think about a monk who lives a _____ life".

- a. dark

- b. luxurious
 - c. strict
 - d. logical
-

64. Select the most appropriate option to fill in the blank. (+2, -0.5)

Affluent classes live a life high on the _____.

- a. end
 - b. state
 - c. hog
 - d. level
-

65. Select the most appropriate option to fill in the blank. (+2, -0.5)

Computers are able to process _____ amounts of data in mere seconds.

- a. peer
 - b. bulge
 - c. massive
 - d. foster
-

66. Select the INCORRECTLY spelt word. (+2, -0.5)

- a. Deseive

- b. Definite
 - c. Decision
 - d. Deposit
-

67. Select the most appropriate option to substitute the underlined segment in the given sentence. (+2, -0.5)

The surveyor wrote a report on the property after doing an on-field evaluation.

- a. official collection
 - b. off-site assignment
 - c. off-field tracking
 - d. on-site assessment
-

68. Select the most appropriate option that can substitute the underlined segment in the given sentence. (+2, -0.5)

During the lockdown, many families were barely able to make both the ends meet.

- a. can manage to make both the ends meet
 - b. could make both the ends meet
 - c. barely managed to make ends meet
 - d. were making both the ends meet
-

69. Select the most appropriate option to fill in the blank. (+2, -0.5)

The students arranged an open _____ on the topic of pandemics and social life after them.

- a. drought
- b. debase
- c. debt
- d. debate

70. Which of the following options is most similar in meaning to the given word? (+2, -0.5)

Seize

- a. Filter
- b. End
- c. Ocean
- d. Catch

71. Select the option that expresses the given sentence in simple past tense. (+2, -0.5)

- A. I was calling you some time back to resolve this issue.
- B. I had been calling you some time back to resolve this issue.
- C. I have called you some time back to resolve this issue.
- D. I called you some time back to resolve this issue.

- a. A
 - b. C
 - c. B
 - d. D
-

72. Select the most appropriate ANTONYM of the given word. (+2, -0.5)

Ready

- a. Set
 - b. Unresponsive
 - c. Holistic
 - d. Humble
-

73. Select the most appropriate option that can substitute the underlined segment in the given sentence. (+2, -0.5)

To insure peace and calm, the government imposed a countrywide curfew for three days.

- a. To insure peace along calm
 - b. In to ensure peace and calm
 - c. To ensure peace and calm
 - d. Insure peace and calm
-

74. Select the most appropriate synonym of the underlined word. (+2, -0.5)

The manager would like to talk to the team member about an important issue immediately.

- a. a bad
- b. an enormous
- c. a good
- d. a significant

75. Select the most appropriate ANTONYM of the word given in the bracket to fill in the blank. (+2, -0.5)

He carried his method into every detail of life and lived on his earnings with extreme _____ (frugality).

- a. luxury
- b. spare
- c. assist
- d. ease

76. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+2, -0.5)

It's no less than a pilgrimage for those who come to our shores for medical treatments. Medical tourism in India is on an upswing, with about 5,00,000 foreign patients travelling to India for medical care. The (1) _____ worth of the industry is estimated at ₹1,000 crores, with a

growth potential of 100 per cent every year. The industry is poised to bring in as much as ₹5,000 to ₹10,000 crores by 2012 .

Many factors contribute to the expansion of this sector, one of them being the (2)_____ facilities. "Only when we go to different countries do we realise how much better off we are in terms of infrastructure and quality. The country has the resources to be on the global map for medical tourism as it has a combination of all the right ingredients," says Dr. Rajendra Prasad, senior consultancy neurosurgery.

India is also renowned for its talent pool and the doctors are known for their (3)_____ and knowledge. Cutting edge medical technologies and drugs available are on a par with the developed world. The cost factor is another big reason for the popularity of India as the medical destination, the difference being as much as 10 or 20 times.

The culture of 'Atithi Devo Bhava' extends into medical tourism, with quality facilities being offered by hospitals to international patients. Super speciality hospitals are successfully providing unparalleled medical treatment to patients, resulting in (4)_____ outcomes, very low risk of infections and excellent post surgery care. The whole experience can be simply termed as 'value for money'.

Medical tourism is (5)_____ a fast-growing sector. It is felt that the government is not doing enough to promote this sector. The Ministry of Tourism should pitch in a big way with more financial support to stakeholders and better infrastructure facilities. More liberal loans, tax benefits and incentives to medical service providers will go a long way in giving a boost to this industry. Promoting medical tourism would mean more employment opportunities for our people, more goodwill for the country and more dollars for the government treasury.

Select the most appropriate option to fill in blank number 1.

- a. current
- b. living

c. prevalent

d. modern

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The culture of 'Atithi Devo Bhava' extends into medical tourism, with quality facilities being offered by hospitals to international patients. Super speciality hospitals are successfully providing unparalleled medical treatment to patients, resulting in (4) _____ outcomes, very low risk of infections and excellent post surgery care. The whole experience can be simply termed as 'value for money'.

Medical tourism is (5) _____ a fast-growing sector. It is felt that the government is not doing enough to promote this sector. The Ministry of

Tourism should pitch in a big way with more financial support to stakeholders and better infrastructure facilities. More liberal loans, tax benefits and incentives to medical service providers will go a long way in giving a boost to this industry. Promoting medical tourism would mean more employment opportunities for our people, more goodwill for the country and more dollars for the government treasury.

Select the most appropriate option to fill in blank number 2.

- a. high-end
- b. fashionable
- c. ostentatious
- d. showy

78. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+2, -0.5)

It's no less than a pilgrimage for those who come to our shores for medical treatments. Medical tourism in India is on an upswing, with about 5,00,000 foreign patients travelling to India for medical care. The (1) _____ worth of the industry is estimated at ₹1,000 crores, with a growth potential of 100 per cent every year. The industry is poised to bring in as much as ₹5,000 to ₹10,000 crores by 2012 .

Many factors contribute to the expansion of this sector, one of them being the (2) _____ facilities. "Only when we go to different countries do we realise how much better off we are in terms of infrastructure and quality. The country has the resources to be on the global map for medical tourism as it has a combination of all the right ingredients," says Dr. Rajendra Prasad, senior consultancy neurosurgery.

India is also renowned for its talent pool and the doctors are known for their (3) _____ and knowledge. Cutting edge medical technologies and drugs available are on a par with the developed world. The cost factor is another big reason for the popularity of India as the medical destination, the difference being as much as 10 or 20 times.

The culture of 'Atithi Devo Bhava' extends into medical tourism, with quality facilities being offered by hospitals to international patients. Super speciality hospitals are successfully providing unparalleled medical treatment to patients, resulting in (4) _____ outcomes, very low risk of infections and excellent post surgery care. The whole experience can be simply termed as 'value for money'.

Medical tourism is (5) _____ a fast-growing sector. It is felt that the government is not doing enough to promote this sector. The Ministry of Tourism should pitch in a big way with more financial support to stakeholders and better infrastructure facilities. More liberal loans, tax benefits and incentives to medical service providers will go a long way in giving a boost to this industry. Promoting medical tourism would mean more employment opportunities for our people, more goodwill for the country and more dollars for the government treasury.

Select the most appropriate option to fill in blank number 3.

- a. expertise
- b. conversance
- c. acquaintance
- d. intimacy

79. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

(+2, -0.5)

It's no less than a pilgrimage for those who come to our shores for medical treatments. Medical tourism in India is on an upswing, with about 5,00,000 foreign patients travelling to India for medical care. The (1) _____ worth of the industry is estimated at ₹1,000 crores, with a growth potential of 100 per cent every year. The industry is poised to bring in as much as ₹5,000 to ₹10,000 crores by 2012 .

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Select the most appropriate option to fill in blank number 4.

- a. fancy
- b. superior
- c. ultimate
- d. premium

80. In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. (+2, -0.5)

It's no less than a pilgrimage for those who come to our shores for medical treatments. Medical tourism in India is on an upswing, with about 5,00,000 foreign patients travelling to India for medical care. The (1) _____ worth of the industry is estimated at ₹1,000 crores, with a growth potential of 100 per cent every year. The industry is poised to bring in as much as ₹5,000 to ₹10,000 crores by 2012 .

Many factors contribute to the expansion of this sector, one of them being the (2) _____ facilities. "Only when we go to different countries do we realise how much better off we are in terms of infrastructure and quality. The country has the resources to be on the global map for medical tourism as it has a combination of all the right ingredients," says Dr. Rajendra Prasad, senior consultancy neurosurgery.

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Select the most appropriate option to fill in blank number 5.

- a. undoubtedly
- b. forsooth
- c. alright
- d. conceivably

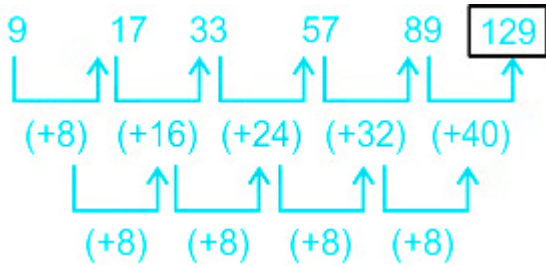
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Answers

1. Answer: b

Explanation:

The pattern followed here is:



Hence, the correct answer is "33".

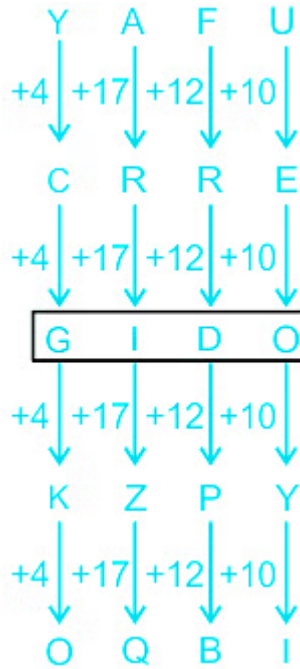
2. Answer: c

Explanation:

The pattern followed here is:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Given: YAFU, CRRE, ?, KZPY, OQBI



Hence, the correct answer is "GIDO".

3. Answer: c

Explanation:

The pattern followed here is:

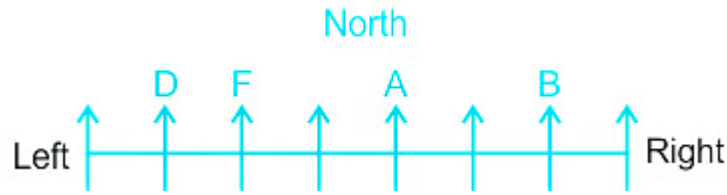
Given: Eight people, A, B, C, D, E, F, G and H are sitting in a straight line, facing north.

1) Only three people sit to the right of A.

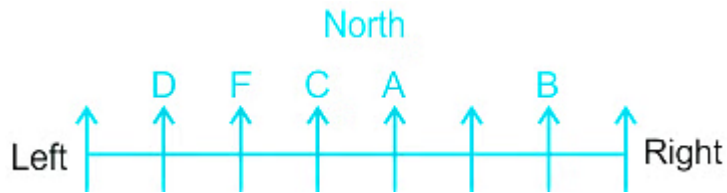


2) Only one person sits between A and B

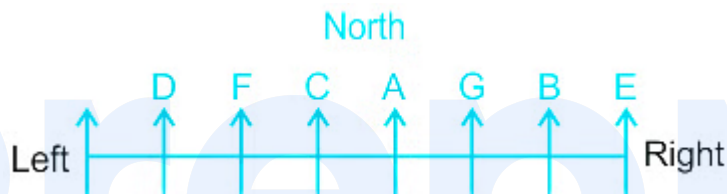
3) Only four people sit between B and D. F sits to the immediate right of D.



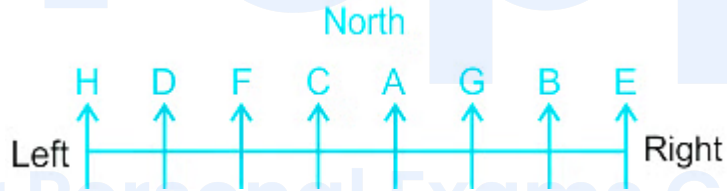
5) C is neither an immediate neighbour of B nor D.



6) E sits second to the right of G.



7) H sits in the vacant place.



Clearly, three person are sit between H and A.

Hence, the correct answer is "Three".

4. Answer: b

Explanation:

The pattern followed here is:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Step 1 - Addition of the place value of the alphabet.

Step 2 - Interchange the digit we get after addition.

'FORM' is coded as 25

$$\Rightarrow F(6) + O(15) + R(18) + M(13) = 52$$

$\Rightarrow 52$ After interchange the digit = 25

and,

'SUIT' is coded as 96

$$\Rightarrow S(19) + U(21) + I(9) + T(20) = 69$$

$\Rightarrow 69$ After interchange the digit = 96

Similarly, **Your Personal Exams Guide**

'RING' is coded as '?'

$$\Rightarrow R(18) + I(9) + N(14) + G(7) = 48$$









$\Rightarrow 48$ After interchange the digit = 84

Hence the correct answer is **"84"**.

5. Answer: d

Explanation:

The pattern followed here is:

No.	Option	Question	Answer
1.			Not Embedded
2.			Not Embedded
3.			Not Embedded
4.			Embedded

Hence, the correct answer is "Option 4".

6. Answer: b

Explanation:

The pattern followed here is:

Let's interchanged the two signs one by one to make the given equation mathematically correct.

1) \times and \div

$$\Rightarrow 128 - 8 + 96 \times \underline{16 \div 20} = 16$$

$$\Rightarrow 128 - 8 + \underline{96 \times 0.8} = 16$$

$$\Rightarrow \underline{128} - 8 + \underline{76.8} = 16$$

$$\Rightarrow 204.8 - 8 = 16$$

$$\Rightarrow 196.8 \neq 16$$

$$\Rightarrow \text{LHS} \neq \text{RHS}$$

2) - and +

$$\Rightarrow 128 + 8 - \underline{96 \div 16} \times 20 = 16$$

$$\Rightarrow 128 + 8 - \underline{6 \times 20} = 16$$

$$\Rightarrow \underline{128 + 8} - 120 = 16$$

$$\Rightarrow \underline{136 - 120} = 16$$

$$\Rightarrow 16 = 16$$

$$\Rightarrow \text{LHS} = \text{RHS}$$

3) - and \times

$$\Rightarrow 128 \times 8 + \underline{96 \div 16} - 20 = 16$$

$$\Rightarrow \underline{128 \times 8} + 6 - 20 = 16$$

$$\Rightarrow \underline{1024 + 6} - 20 = 16$$

$$\Rightarrow \underline{1030 - 20} = 16$$

$$\Rightarrow 1010 \neq 16$$

$$\Rightarrow \text{LHS} \neq \text{RHS}$$

4) + and \div

$$\Rightarrow 128 - \underline{8 \div 96} + 16 \times 20 = 16$$

$$\Rightarrow 128 - 0.0833 + \underline{16 \times 20} = 16$$

$$\Rightarrow 128 - 0.0833 + 320 = 16$$

$$\Rightarrow 448 - 0.0833$$

$$\Rightarrow 447.9167$$

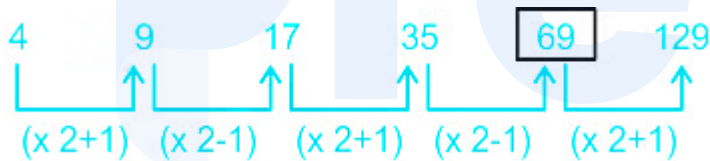
$$\Rightarrow \text{LHS} \neq \text{RHS}$$

Hence, the correct answer is "- and +"

7. Answer: b

Explanation:

The pattern followed here is:



Here, the correct answer is "69"

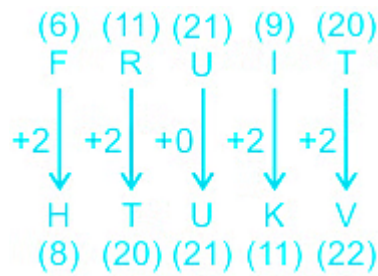
8. Answer: c

Explanation:

The logic followed here is:

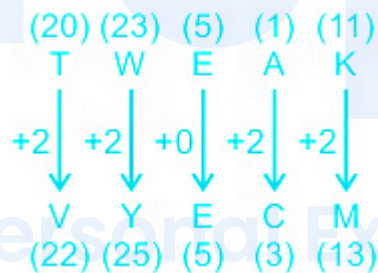
Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

'FRUIT' is written as 'HTUKV'



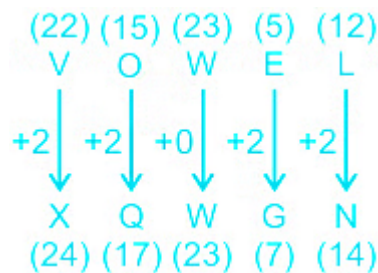
and,

'TWEAK' is written as 'VYECM'



Similarly,

'VOWEL' be written as '?'



Hence, the correct answer is "XQWGN".

9. Answer: b

Explanation:

The least possible Venn diagram is given below according to the given information.



Conclusion:

- 1) All glues are pens → **Follow** → As all Waters are inks and all glues are inks, So all glue are pens is definitely followed.
- 2) All pens are waters → **Does not follow** → As all waters are inks, all glues are inks and all inks are pens, So all pens are water is not definitely followed.
- 3) Some pens are glues → **Follow** → As all glues are inks and all inks are pens, So some pens are glues is definitely followed.

Hence, only **Conclusion 1 and 3** follow.

10. Answer: a

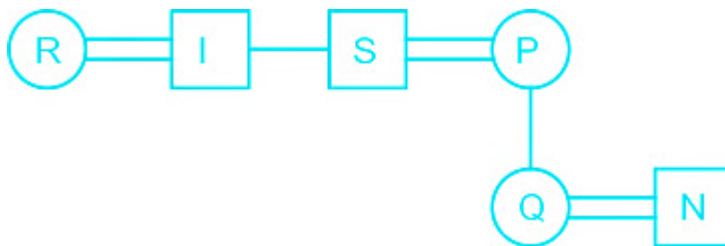
Explanation:

The pattern followed here is.

Symbol in Diagram	Meaning
○	Female
□	Male
==	Married Couple
—	Siblings
	Difference of a Generation

Code	Relation
+	Wife
-	Husband
×	Brother
÷	Mother

Given: $R + T \times S - P \div Q + N$



- 1) Q is the mother of T → Not Correct, As Q is a niece of T.
- 2) P is the mother of Q → Correct
- 3) T is the brother of S → Correct

4) R is the wife of T → Correct

Hence the correct answer is "Option 1".

11. Answer: a

Explanation:

Logic: $(1\text{st number} + 1) \times (1\text{st number} + 2) = 2\text{nd number}$.

Now,

For, 4 : 30

$$\Rightarrow (4 + 1) \times (4 + 2)$$

$$\Rightarrow 5 \times 6 = 30$$

For, 6 : 56

$$\Rightarrow (6 + 1) \times (6 + 2)$$

$$\Rightarrow 7 \times 8 = 56$$

Similarly, for 7 : ?

$$\Rightarrow (7 + 1) \times (7 + 2)$$

$$\Rightarrow 8 \times 9 = 72.$$

Hence, the correct answer is "Option 1".

12. Answer: c

Explanation:

The logic followed here is: Logic: The second word is a sport in which the first word is used as equipment.

Here, Bat : Cricket → A bat is used in the sport cricket.

Similarly, Racquet : ? → A racquet is used in the sport of tennis.

Hence, the correct answer is "Tennis".

★ Additional Information

1. Golf: Golf is a sport, but it does not use a racquet. Instead, it uses clubs for players to hit balls into a series of holes.
2. Baseball: Although Baseball uses a bat-like tool, it's not a 'racquet'. Racquets have netted/meshed centers which Baseball bats do not possess.
3. Hockey: Hockey uses a stick rather than a racquet. The stick is used to hit or control a puck or ball.

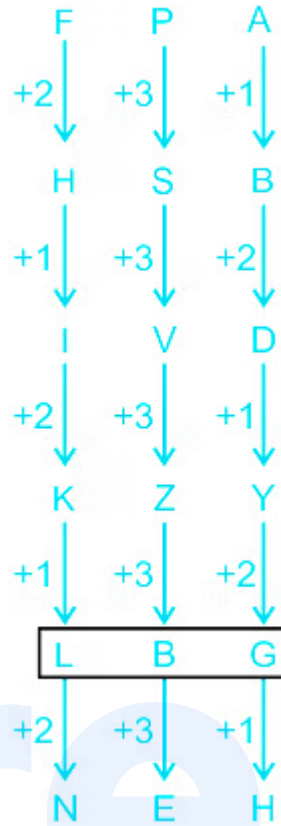
13. Answer: c

Explanation:

The logic followed here is:

Alphabets	A	B	C	D	E	F	G	H	I	J	K	L	M
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Y	X	W	V	U	T	S	R	Q	P	O	N

Given: FPA, HSB, IVD, KYE, ?, NEH



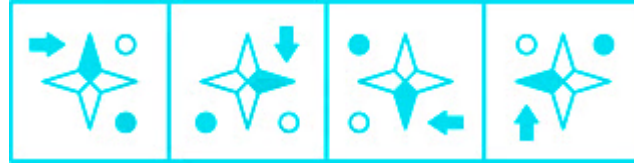
Hence, the correct answer is "LBG".

14. Answer: a

Explanation:

The pattern followed here is:

- 1) Star rotated 90 degree clockwise direction in every next figure.
- 2) Dark circle and blank circle is shifted one place in clockwise direction in every next figure.
- 3) Middle dark arrow is rotated 90 degree clockwise direction and shifted one place in every next figure.



Hence, the correct answer is "Option 1".

15. Answer: a

Explanation:

The logic followed here is:

Logic: The second word is synonymous with the opposite of the first word.

"Expand" is related to "Stretch" → "Stretch" is synonymous to "Expand".

Similarly, "Contract" is related to "?" → "Shrink" is synonymous to "Contract".

Hence, the correct answer is "Shrink".

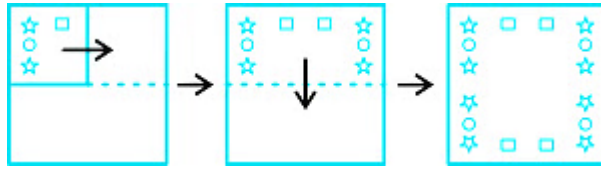
★ Additional Information

1. Volume: While 'volume' could potentially be linked to the terms 'expand' and 'contract' in some contexts (for example, in the field of physics where these terms often relate to changes in volume), it is not a direct synonym of 'contract'.
2. Huge: 'Huge' is an adjective that describes something of great size. It does not express the opposite of 'contract' as it doesn't imply a reduction or decrease in size or quantity.
3. Range: The term 'range' could relate to 'expand' in terms of extent or scope but it isn't a synonym for 'contract'. 'Range' refers more to a span or a scope and doesn't convey the sense of reduction or decrease.

16. Answer: d

Explanation:

When the paper is unfolded, the image appears as follows.



Hence, the correct answer is "Option 4".

17. Answer: d

Explanation:

The correct mirror image of the given figure when the mirror is placed at line PQ will be:



Hence, the correct answer is "Option 4".

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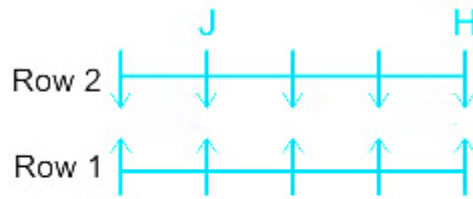
18. Answer: b

Explanation:

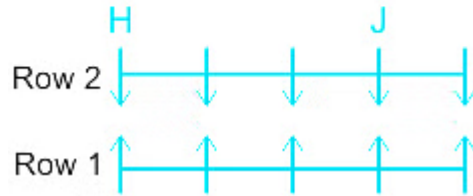
Given: . K, L, M, N, O are sitting in Row 1 facing north, while persons F, G, H, I, J in Row 2 face south.

1. Two persons sit between J and H, so there is two possibilities.

Case I:

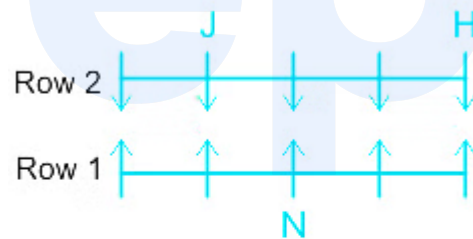


Case II:

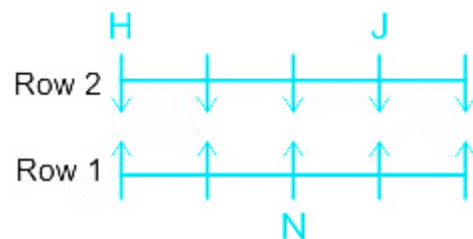


2. J is the immediate neighbour of the person who is sitting at the corner.
3. N is facing the neighbour of J. N does not sit at any of the corners.

Case I:

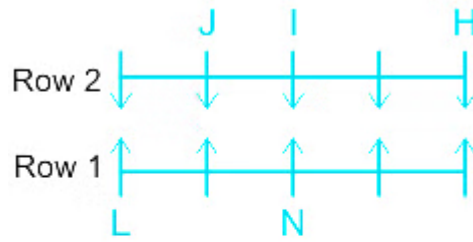


Case II:

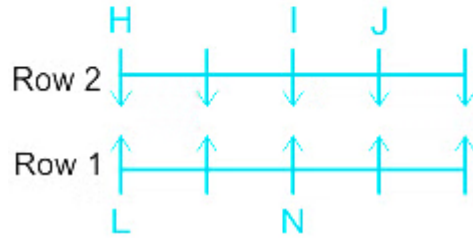


4. L is sitting second to the left of N. I sits in the middle of the line.

Case I:

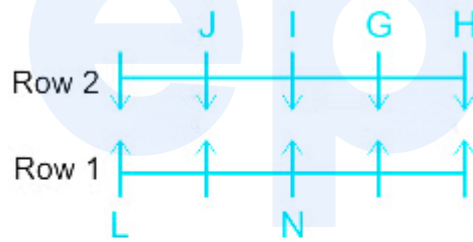


Case II:

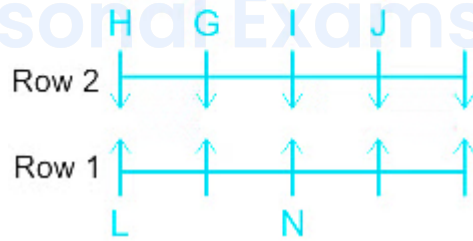


5. G does not sit at any of the corners.

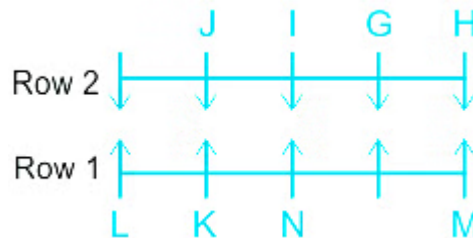
Case I:



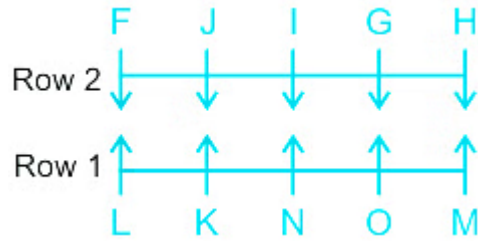
Case II:



6. K sits to the left of M but not immediate left. G is neither facing M nor K. Case II will be eliminated.



Therefore, the final arrangement will be



Hence, **one** persons are sitting between J and G.

19. Answer: d

Explanation:

The correct dictionary order for the give words are:

5. MARTHA

3. MARTYR

2. MASTER

1. MISTER

4. MISTRESS

Hence, the correct answer is "Option 4".

20. Answer: d

Explanation:

The pattern followed here is:

Let's interchange the given mathematical signs to sequentially replace the * signs and to balance the given equation.

1) +, -, =, ÷

$$\Rightarrow 64 + 140 - 2 = \underline{4 \div 10}$$

$$\Rightarrow \underline{64 + 140} - 2 = 0.4$$

$$\Rightarrow \underline{204 - 2} = 0.4$$

$$\Rightarrow 202 \neq 0.4$$

$$\Rightarrow \text{LHS} \neq \text{RHS}$$

2) =, ÷, -, +

$$\Rightarrow 64 = \underline{140 \div 2} - 4 + 10$$

$$\Rightarrow 64 = \underline{70} - 4 + 10$$

$$\Rightarrow 64 = \underline{80 - 4}$$

$$\Rightarrow 64 \neq 76$$

$$\Rightarrow \text{LHS} \neq \text{RHS}$$

3) -, +, ÷, =

$$\Rightarrow 64 - 140 + \underline{2 \div 4} = 10$$

$$\Rightarrow \underline{64} - 140 + \underline{0.5} = 10$$

$$\Rightarrow \underline{64.5} - 140 = 10$$

$$\Rightarrow -75.5 \neq 10$$

$$\Rightarrow \text{LHS} \neq \text{RHS}$$

4) =, ÷, +, -

$$\Rightarrow 64 = \underline{140 \div 2} + 4 - 10$$

$$\Rightarrow 64 = \underline{70 + 4} - 10$$

$$\Rightarrow 64 = \underline{74 - 10}$$

⇒ $64 = 64$

⇒ LHS = RHS

Hence, the correct answer is "=", ÷, +, -".

21. Answer: b

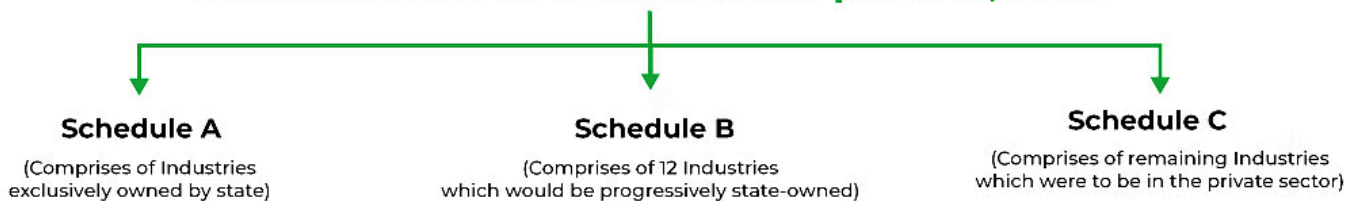
Explanation:

the correct answer is three.

★ Key Points

- The Industrial Resolution Policy 1956 was developed due to the changes that occurred due to the economic and political developments in different spheres that called for the changes in industrial policy in a short period of operation in the 1948 Industrial Policy.
- The 1956 policy divided the industries into 3 categories based on management.
- It was based upon the Mahalanobis Model of growth which advocated that emphasis should be laid on the heavy industries, which can increase the economic output of the country.
- Mahalanobis model suggested the dominance of the heavy industries.

Classification of Industries as per IPR, 1956



★ Additional Information

IPR, 1956 classified industries into three categories

- **Schedule A-17 industries** were the exclusive responsibility of **the State**. Out of the 17 industries, four industries- **arms and ammunition, atomic energy, railways** and **air transport** had **Central Government monopolies**; new units in the remaining industries were developed by the State Governments.
- **Schedule B-12 industries**, were open to both the **private and public sectors**; however, such industries were progressively State-owned.
- **Schedule C**- All the other industries not included in these two Schedules constituted the third category which was open to the **private sector**. However, the State reserved the right to undertake any type of industrial production.

22. Answer: a

Explanation:

The correct answer is Canadian model.

★ Key Points

- The Indian Constitution established a federal structure for the Indian government, though it also has a **unitary tilt**.
- It incorporated a centralizing feature, i.e., more power to the **Union (center) than the states**.
- This type of federalism, where the center is stronger than the states, is a characteristic of Canadian federalism, not the **British, Japanese, or USA models**.
- **Canadian Model:**
 - In Canada, the federal government has more power relative to the **provinces, and it can override decisions made at the provincial level**.
 - This system was chosen in India to maintain unity and integrity in a **culturally, linguistically, and ethnically diverse country**.
 - This model helps in handling any internal conflicts and maintaining overall control in **policy-making and national matters**.

★ Additional Information

- **Britain Model:**

- Britain is a unitary state where all power is vested in the **central government**.
- It is not a **federation**, so states or provinces do not have constitutionally protected sovereignty.
- **Japan Model:**
 - Japan also follows a unitary system of government where the central government has the **power to control local governments**.
- **USA Model:**
 - The United States follows a model of federalism where the states and the center have distinct **powers and responsibilities**.
 - The U.S. model is more of a 'co-equal' model where the **Federal and State Governments have their own jurisdiction**, and the **Federal Government cannot override state decisions within that jurisdiction**.

23. Answer: c

Explanation:

The correct answer is Odissi.

★ Key Points

- **Sonal Mansingh** is a prominent Indian classical dancer who specializes in **Bharatanatyam and Odissi**.
- For her contributions towards promoting 'Classical dances', she has received accolades from many national and international organizations.
- She was the youngest recipient of Padma Bhushan in 1992.
- In 2003, Sonal became the first Indian woman dancer to be awarded Padma Vibhushan.



★ Additional Information

Dance	Origin	Costume	Main Themes
Mohiniyattam	Kerala, India	White Sari with Gold Border, Gold Jewelry	Love and Devotion towards God
Manipuri	Manipur, India	Long, Embellished Skirt, Translucent Veil	Radha-Krishna Raslila, Social Themes
Odissi	Odisha, India	Brightly Colored Silk Saree, Silver Jewelry	Divine Love, Hindu Mythologies
Kathakali	Kerala, India	Colorful and Elaborate Makeup and Costumes	Hindu Epics, Folk Tales

24. Answer: b

Explanation:

The correct answer is 82.14%.

★ Key Points

- The literacy rate at all Indian levels was **74.04%**.

- The literacy rate for **females is 65.46 % and for males is 82.14%**.
- The **literacy rate of females in rural areas** has observed an improvement in literacy rate of about **24%**.
- The male and female literacy rate was **higher in Kerala and lower in Bihar**.
- The gap in literacy rates between females and males was low in **Meghalaya, Kerala, and Mizoram**.
- The gap was higher in **Rajasthan, Jharkhand, Dadra & Nagar Haveli, Jammu and Kashmir, Uttar Pradesh, and Chattisgarh**.

★ Additional Information

- A census is official data on the population.
- Indian census includes **demographic, social, and economic data**.
- It is held periodically after every **tenth year**.
- The first census took place in **1872**.

25. Answer: b

Explanation:

The correct answer is unorganised.

★ Key Points

- Atal Pension Yojana (APY)
 - It was launched in 2015 and is a pension scheme for citizens of India who belong to the **unorganized sector**.
 - The scheme is the **guaranteed pension scheme** of the Government of India administered by **PFRDA**.
 - The scheme allows any citizen of India between the **age group of 18-40 years** to join through the bank or post office branches where one has a savings bank account.
 - Under the scheme, a subscriber would receive a **minimum guaranteed pension of Rs 1000 to Rs 5000 per month from the age of 60 years**, depending upon his contribution.

- The same pension would be paid to the spouse of the subscriber after the demise of the subscriber and on the demise of both the subscriber and spouse, the pension wealth as accumulated till age 60 of the subscriber would be returned back to the nominee.

26. Answer: b

Explanation:

The correct answer is 2.43 metres.

★ Key Points

Volleyball:

- Volleyball is a team sport.
- It is played between two teams of six players.
- Teams are separated by a net.
- Each team tries to **score points by grounding a ball on the other team's court under organised rules.**

Explanation:

Fundamental skills of volleyball:

1. Passing,
2. serving,
3. setting,
4. spiking/smashing,
5. blocking and
6. digging

★ Additional Information

Dimensions:

- The dimension of the court is 18m/9m.

- The width of the net is 1m.
- The height of the net is 2.43m for men and 2.24m for women.
- A 3 m line in each court is marked to determine the front court and back court.
- A regulation volleyball should be 65–67 centimeters in circumference and weigh 260–280 grams.

27. Answer: d

Explanation:

The correct answer is Sagarmala Pariyojana.

★ Key Points

- Sagarmala Seaplane Services also having airline operators will be implemented by the Sagarmala Development Company Limited.
- **6 new port locations have been included in the Sagarmala Project.**
 - These are **Vadhavan (Maharashtra), Enayam (Tamil Nadu), Tajpur (West Bengal), Paradip Outer Harbour (Odisha), Sirkazhi (Tamil Nadu), Belekeri (Karnataka)**.
 - The Sagarmala project is one of the pioneer initiatives launched by the government of India with the objective to enhance connectivity at the **Ports of India**.
 - Sagarmala is an ambitious national initiative aimed at bringing about a step change in India's logistics sector performance, by unlocking the full potential of India's **coastline and waterways**.
 - The vision of Sagarmala is to reduce logistics costs for both **domestic and EXIM cargo** with optimized infrastructure investment.

★ Additional Information

- The Sagarmala Programme is an initiative by the government of India to enhance the performance of the country's logistics sector.
- The programme envisages unlocking the potential of waterways and the coastline to minimize infrastructural investments required to meet these targets.

- **The Sagarmala Programme:**
 - Country: **India**
 - Launched by: **Narendra Modi**
 - Ministry: **Ministry of Ports, Shipping and Waterways**
 - Established: **31 July 2015;**

28. **Answer: a**

Explanation:

The correct answer is 11th.

★ Key Points

- Bhopal Lake, **also known as the Upper Lake or Bhojtal**, is a large artificial lake in Bhopal, the capital city of the Indian state of Madhya Pradesh.
- It was created in the 11th century during the reign of King Bhoja (1005–1055), after whom it is named.
- King Bhoja, a scholar-king of the **Paramara dynasty**, is also known for his contributions to literature and the sciences.
- As per local **folklore**, he established the lake to cure a skin disease that he suffered from.
- As a result, the king ordered the creation of a massive earthen bund, or dam, to stop the flow of the **Betwa River**, resulting in the creation of the Bhojtal.

★ Additional Information

Some Important Lake of India

Lake Name	Location	Description
Dal Lake	Jammu and Kashmir	Known for its houseboats and scenic beauty, it's often referred to as the "Jewel in the crown of Kashmir".
Chilika Lake	Odisha	The largest saltwater lake in India, it's known for its biodiversity and is a significant wetland and bird sanctuary.
Wular Lake	Jammu and Kashmir	One of the largest freshwater lakes in Asia, it's an important habitat for fish and wildlife.
Loktak Lake	Manipur	Known for the phumdis (heterogeneous mass of vegetation, soil, and organic matters at various stages of decomposition) floating over it. Keibul Lamjao, the only floating national park in the world, floats over this lake.
Vembanad Lake	Kerala	Longest lake in India and the largest in Kerala, it's known for its famous Nehru Trophy Boat Race.
Pulicat Lake	Andhra Pradesh and Tamil Nadu	It's the second largest brackish water lake or lagoon in India, known for the Pulicat Lake Bird Sanctuary.
Bhojtal (Upper Lake)	Bhopal, Madhya Pradesh	One of the oldest man-made lakes in India, it's a major source of potable water for the people of Bhopal.
Kolleru Lake	Andhra Pradesh	One of the largest freshwater lakes in India, it's located between Krishna and Godavari deltas and is a major tourist attraction.
Nainital Lake (Naini Lake)	Uttarakhand	Located in the popular hill station of Nainital, it's a freshwater body known for its natural beauty.
Sambhar Salt Lake	Rajasthan	India's largest inland salt lake, known for salt production.

29. Answer: b

Explanation:

The correct answer is vacuole.

★ Key Points

- **Vacuole**
 - Vacuoles are membrane-bound sacs within the cytoplasm of a **cell**.
 - They are involved in a variety of functions, including maintaining the shape of the cell, storage of **nutrients or waste products, and the regulation of turgor pressure**.
 - They are not found inside the **nucleus**.

★ Additional Information

Term	Description
Nucleolus	This is a small, dense structure within the nucleus. It is the site of ribosome synthesis in cells.
Deoxyribonucleic Acid (DNA)	DNA is the genetic material that contains the instructions for the development and function of living organisms. It is located within the nucleus of a cell.
Genes	Genes are segments of DNA that act as the fundamental units of heredity. Genes direct the production of proteins and influence an organism's characteristics. They are located on the chromosomes within the nucleus of a cell.

30. Answer: a

Explanation:

The correct answer is The Arms Act, 1878.

★ Key Points

- After the revolt of 1857, the attitude to freedom of the press changed.
- Enraged Englishmen demanded a clampdown on the 'native' press.
- As vernacular newspapers became assertively nationalist, the colonial government began debating measures of stringent control.
- In **1878, the Vernacular Press Act was passed**, modeled on the Irish Press Laws.
- It provided the government with extensive rights to censor reports and editorials in the vernacular press.
- From now on the government kept regular track of the vernacular newspapers published in different provinces.
- When a report was judged as seditious, the newspaper was warned, and if the warning was ignored, the press was liable to be seized and the printing machinery confiscated.

★ Additional Information

- The dissatisfaction with British rule intensified in the 1870s and 1880s.
- **The Arms Act was passed in 1878, disallowing Indians from possessing arms. In the same year the Vernacular Press Act was also enacted** in an effort to silence those who were critical of the government.
- **The Act allowed the government to confiscate the assets of newspapers including their printing presses if the newspapers published anything that was found "objectionable".**
- In 1883, there was a furor over the attempt by the government to introduce the Ilbert Bill.
- The bill provided for the trial of British or European persons by Indians, and sought equality between British and Indian judges in the country.
- But when white opposition forced the government to withdraw the bill, Indians were enraged.
- The event highlighted the racial attitudes of the British in India.

31. Answer: c

Explanation:

The correct answer is Alarmel Valli.

★ Key Points

- **Alarmel Valli** is a renowned **Indian classical dancer and choreographer**, known for her contributions to the Indian classical dance form of **Bharatanatyam**.
- She has received numerous awards and accolades for her work, including the prestigious **Padma Bhushan and Padma Shri** awards from the Government of India.
- In 2019, she was awarded the **Balasaraswathi award**, further cementing her status as one of the leading figures in Indian classical dance.

★ Additional Information

- The **Balasaraswathi award** is named after **T. Balasaraswathi**, a legendary Bharatanatyam dancer, and is given to individuals who have made significant contributions to the field of Indian classical dance.
- Alarmel Valli's dance style is noted for its grace, purity, and depth of expression.
- She has performed at major venues and festivals in India and around the world.

32. Answer: c

Explanation:

The correct answer is Vineet Joshi.

★ Key Points

- IAS officer **Vineet Joshi (As of Feb 2022)**, **Additional Secretary in the Ministry of Education**, has been assigned the charge of **CBSE Chairman**.
- The development comes following relinquishing of charge by **former CBSE Chairman Manoj Ahuja** after he was appointed as the **OSD in the Department of Agriculture and Farmers Welfare**.
- Joshi is **also the Director-General of the National Testing Agency (NTA)**.

★ Important Points

- In May 2022, Senior IAS officer Nidhi Chibber has been appointed as the Chairperson of the Central Board of Secondary Education (CBSE).

★ Additional Information

- **Central Board of Secondary Education**
 - The **Central Board of Secondary Education (CBSE)** is the **government of India's national board of secondary education** for both **public and private schools**.
 - The **Board** was a government-instituted experiment in interstate integration and collaboration in secondary education that was established in 1929.
 - The **CBSE** is associated with more than 27,000 schools in India and 240 schools in 28 other countries.
 - The **NCERT** curriculum is utilised by all **CBSE-affiliated institutions**, particularly in grades 9 through 12.
 - **Nidhi Chibber, an IAS, is the CBSE's current chairwoman.**

33. Answer: b

Explanation:

The correct answer is Pushyamitra Sunga.

★ Key Points

- The Sunga dynasty was established by Pushyamitra Sunga.
- Pushyamitra Sunga was a Brahmin.
- Pushyamitra Sunga was the commander in chief of the Last Mauryan king, Brihadratha.
- He assassinated Brihadratha in 184 BC.
- Pushyamitra destroyed many of the Ashokan Stupas and Inscriptions.
- Agnimitra was the son of Pushyamitra.

- Bhagabhadra was the son of Agnimitra and Devabhuti was the son of Bhagabhadra.

★ Additional Information

- Important rulers of the Sunga Dynasty

Rulers of the Sunga Dynasty	Reign
Pushyamitra Sunga	185-149 BCE
Agnimitra	149-141 BCE
Vasujyestha	141-131 BCE
Vasumitra	131-124 BCE
Bhadraka	124-122 BCE
Pulindhaka	122-119 BCE
Ghosha	119-108 BCE
Vajramitra	108-94 BCE
Bhagabhadra	94-83 BCE
Devabhuti	83-73 BCE

★ Important Points

- Important Dynasty and their founders

Dynasty	Founder
Haryankas	Bibmisara
Shishunaga	Shisunaga
Nanda	Mahapadma Nanda
Mourya	Chandragupta Mourya

34. Answer: b

Explanation:

The correct answer is Arvind Kejriwal.

★ Key Points

- Arvind Kejriwal is an Indian politician and former bureaucrat. Since February 2015, he has served as the current and seventh Chief Minister of Delhi.
- Delhi CM Arvind Kejriwal inaugurated 100 more Mohalla Clinics in Delhi on 19 October 2019.
- These new health clinics, a total of 302 Mohalla Clinics are now functional in the city.
- These clinics are part of the city government's push to set up 1,000 neighborhood clinics.
- Facilities of diagnostic tests such as lipid profile, kidney, and liver function tests are available free of cost.

★ Additional Information

State	Chief Minister	Party
Andhra Pradesh	Y. S. Jagan Mohan Reddy	YSR Congress Party
Arunachal Pradesh	Pema Khandu	Bharatiya Janata Party (BJP)
Assam	Himanta Biswa Sarma	BJP
Bihar	Nitish Kumar	Janata Dal (United) (JD(U))
Chhattisgarh	Bhupesh Baghel	Congress
Delhi (NCT)	Arvind Kejriwal	Aam Aadmi Party (AAP)
Goa	Pramod Sawant	BJP
Gujarat	Bhupendra Patel	BJP
Haryana	Manohar Lal Khattar	BJP
Himachal Pradesh	Jai Ram Thakur	BJP
Jharkhand	Hemant Soren	Jharkhand Mukti Morcha (JMM)
Karnataka	Basavaraj Bommai	BJP
Kerala	Pinarayi Vijayan	Communist Party of India (Marxist) (CPI(M))
Madhya Pradesh	Shivraj Singh Chouhan	BJP
Maharashtra	Eknath Shinde	Shiv Sena
Manipur	N. Biren Singh	BJP
Meghalaya	Conrad Kongkal Sangma	National People's Party (NPP)
Mizoram	Pu Zoramthanga	Mizo National Front (MNF)

Nagaland	Neiphiu Rio	Naga People's Front (NPF)
Odisha	Naveen Patnaik	Biju Janata Dal (BJD)
Puducherry (UT)	N. Rangaswamy	All India N.R. Congress (AINRC)
Punjab	Bhagwant Singh Mann	AAP
Rajasthan	Ashok Gehlot	Congress
Sikkim	P.S. Golay	Sikkim Krantikari Morcha (SKM)
Tamil Nadu	M. K. Stalin	Dravida Munnetra Kazhagam (DMK)

35. Answer: d

Explanation:

The correct answer is population.

★ Key Points

- Per capita income is the **average income earned per person in a country**.
- It is calculated by dividing **national income** by the **total population of a country**.

$$\text{Per Capita Income} = \frac{\text{National Income}}{\text{Population of a country}}$$

★ Additional Information

- Per capita income is an **important measure of the real economic growth of a country**.
- It is an **indicator** of the **social welfare** of an economy.
- It **includes all individuals of the country** not just adults but **children and infants also**.
- Hence it is **unable to account for inflation, poverty, inequality, savings, and wealth**.

★ Important Points

National income is the **sum of the factor income** earned by the **normal residents** of a country within a **financial year**.

- It is **equal to the value** of produced **goods and services** by the normal residents of a country within a financial year.
- National income is **calculated by the value-added method, income method and expenditure method**.
 - In the value-added method, the **gross value added** is calculated throughout the **primary, secondary and tertiary** sectors of the economy
 - In the income method, the **factor income** is calculated **throughout the economy**
 - In expenditure method, the **sum of expenditure by all sectors** of the economy is calculated.

Per Capita Income = $\frac{\text{National Income}}{\text{Population of a country}}$

36. Answer: d

Explanation:

The correct answer is United States Of America.

★ Key Points

- India has espoused certain features like abecedarian rights, judicial review, independence of judiciary, functions of chairman and vice-president, and indictment of the President from the U.S.A.
- Judicial Review refers to the power of the Supreme Court (or High Courts) to observe the constitutionality of law if the Court comes to the conclusion that the law is inconsistent with the vittles of the Constitution, such a law is pronounced as unconstitutional and in suitable.
- The law has to pass the test of constitutionality if it qualifies it can be made a law. On the negative, the court can declare it null and void.

★ Additional Information

- Lord Cornwallis Governor-General from Warren Hastings in 1786. In the times 1787, 1790, and 1793, he introduced judicial reforms.
- Article 372(1) establishes the judicial review of the there-constitution legislation. Composition 13 declares that any law which contravenes any of the vittles of the part of Fundamental Rights shall be void.
- Judicial Review is governed by the principle of “**Procedure established by law**” as given in Article 21 of the Indian Constitution.
- Judicial review gives the strength of the courts to declare the constitutionality of acts of organs of Government and declare it unconstitutional if it violates or is inconsistent with the introductory principles of the Constitution.

37. Answer: d

Explanation:

The Correct Answer is Kolkata.

★ Key Points

- The Eden Gardens is a cricket ground in Kolkata.
- It was established in 1864.
- It is the oldest and second-largest cricket stadium in India after the Sardar Patel Stadium.
- The largest cricket stadium in the world by area Sardar Patel Stadium Located in Ahmedabad, India, the stadium will be the new home of the Gujarat Cricket Association. Spread across 63 acres with a capacity of 110,000, Sardar Patel Stadium surpasses the previous largest cricket stadium's (Australia's Melbourne Cricket Ground) capacity by 10,000. Feb 25, 2020
- The stadium currently has a capacity of 68,000.
- On 22 November 2019, the venue hosted the first-ever day/night test match in India during the second Test between India and Bangladesh.

★ Additional Information

CITY	STADIUM
Delhi	<ul style="list-style-type: none"> • Dhyan Chand National Stadium • Feroz Shah Kotla • Jawaharlal Nehru Stadium
Bangalore	M. Chinnaswamy Stadium
Kolkata	Eden Gardens
Chennai	MA Chidambaram Stadium
Mumbai	<ul style="list-style-type: none"> • Wankhede Stadium • Brabourne Stadium

★ Important Points

- The largest cricket stadium in the world by area Sardar Patel Stadium Located in Ahmedabad, India.
- The stadium will be the new home of the Gujarat Cricket Association, Spread across 63 acres with a capacity of 110,000.
- Sardar Patel Stadium surpasses the previous largest cricket stadium's (Australia's Melbourne Cricket Ground) capacity by 10,000. Feb 25, 2020

38. Answer: a

Explanation:

The correct answer is Kerosene.

★ Key Points

- The **chemical element sodium** has the **atomic number 11** and the **symbol Na**.
- It is a **delicate, silvery-white metal** that is exceedingly reactive.
- Due to its placement in **group 1 of the periodic table**, sodium is an **alkali metal**.
- Sodium is a **very reactive metal**.
- Because of how **strongly it reacts with oxygen and moisture** due to its **high reactivity**, sodium is stored in **kerosene** to avoid it coming into contact with these elements.
- When it reacts, a **strongly exothermic reaction** will result.

★ Additional Information

Element	Atomic Number
Hydrogen	1
Helium	2
Lithium	3
Beryllium	4
Boron	5
Carbon	6
Nitrogen	7
Oxygen	8
Fluorine	9
Neon	10

39. Answer: a

Explanation:

The Correct Answer is Kerala.

★ Key Points

- In **Kerala**, thousands of devotees flocked to Kerala's bathing ghats and temples to participate in the "**Karkidaka vavu Bali**" ceremony.
- The Karkidaka vavu Bali is a ritual followed by the devotees **to pay obeisance to the departed ancestors in their families**.
- The rituals began in the early morning hours with special poojas.
- Large number of devotees gathered in Aluva Manappuram, Thirunavaya, Varkala, Thirunelly, Pampa and other prominent balitharpan' sites across the state.

★ Additional Information

Prepp

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State	Fair/Festival
Rajasthan	Pushkar Fair
Gujarat	Navratri, Kite Festival
West Bengal	Durga Puja
Kerala	Onam, Thrissur Pooram
Maharashtra	Ganesh Chaturthi
Punjab	Baisakhi
Tamil Nadu	Pongal
Assam	Bihu
Goa	Carnival
Uttar Pradesh	Kumbh Mela
Himachal Pradesh	Kullu Dussehra
Bihar	Chhath Puja

40. Answer: c

Explanation:

The correct answer is Mexico.

★ Key Points

- The Green Revolution refers to a series of **research, development, and technology transfer initiatives that occurred between the 1940s and the late 1960s**.
- It was initiated by **Norman Borlaug**, an American agronomist who is considered the "**Father of the Green Revolution**".

- The main aim was to increase agricultural production worldwide, particularly in developing countries, to ensure food security.
- The term "Green Revolution" was first used in 1968 by former USAID director William Gaud.

★ Additional Information

- The Green Revolution started in Mexico in a bid to transform agricultural practices by implementing **modern techniques and technologies, including the use of high-yielding variety (HYV) seeds, fertilizers, pesticides, and improved irrigation methods.**
- The Green Revolution has had a significant impact on global food production.
- It has helped many countries achieve self-sufficiency in food production and has played a crucial role in reducing hunger and malnutrition.
- However, it has also faced criticism for leading to **over-dependence on chemicals, causing environmental damage, and increasing social inequality.**
- Despite its drawbacks, the Green Revolution is considered a significant event in the history of agriculture, shaping the way food is grown and consumed today.

41. Answer: a

Explanation:

Given

Price of jeans: Rs.1,200

Price of coat: Rs.4,500

Jeans discount: 20%

Coat discount: 12%

Concept:

Discount calculation (Discounted price = Original price - Discount).

Calculation:

Price of jeans after discount = $1200 - (1200 \times 0.20) = \text{Rs.}960$

Price of coat after discount = $4500 - (4500 \times 0.12) = \text{Rs.}3960$

Total payment = Price of jeans after discount + Price of coat after discount = $960 + 3960 = \text{Rs.}4920$

Hence, Anand has to pay Rs. 4920.

★ **Mistake Points**

Please note that Shopkeeper offers 5% discount on using an SBI card only but Anand has an HDFC card.

42. Answer: d

Explanation:

Given

Akhil's work time: 26 days

Akhil & Sakshi's work time: 20 days

Sakshi's work time: 6 days

Concept:

Work and Time calculation.

Calculation:

⇒ Akhil's work rate = $1/26$ work/day

⇒ Akhil & Sakshi's work rate = $1/20$ work/day

⇒ Work done by Sakshi and Akhil in 6 days = $1/20 \times 6 = 3/10$ of the total work

⇒ Remaining work = $1 - \text{work done by Sakshi} = 1 - 3/10 = 7/10$ of the total work

⇒ Time taken by Akhil to complete remaining work = Remaining work/Akhil's work rate = $(7/10)/(1/26) = 91/5$ days

Hence, Akhil will complete the remaining work in $91/5$ days.

43. Answer: c

Explanation:

Given

24 women work time: 16 days

Number of new women: 32

Concept:

Direct proportionality of work to workers.

Calculation:

⇒ Since work is proportional to the number of workers, $24 \text{ women} \times 16 \text{ days} = 32 \text{ women} \times x \text{ days}$

⇒ Solving for x, we get $x = (24 \times 16)/32 = 12$ days

Hence, 32 women will complete the same work in 12 days.

44. Answer: c

Explanation:

Given

Dog's leap ratio to hare's: $5/6$

Dog's 4 leaps = Hare's 5 leaps

Concept:

Ratio calculation.

Calculation:

⇒ Since 4 dog leaps = 5 hare leaps, 1 dog leap = $\frac{5}{4}$ hare leaps

⇒ Speed of dog = dog's leap ratio to hare's × 1 dog leap in terms of hare's = $\frac{5}{6} \times \frac{5}{4} = \frac{25}{24}$

Hence, the speed ratio of the dog and hare is 25 : 24.

45. Answer: a

Explanation:

Given:

We know that cost of water = Rs. 0 per litre

Cost of milk = Rs. 15 per litre

Cost of mixture = Rs. 10 per litre

Formula used:

Cost of mixture = Total cost/Total quantity

Calculation:

Let the the ratio of water and milk be "1 : a"

$$\Rightarrow (1 \times 0) + (a \times 15) = (1 + a) \times 10$$

$$\Rightarrow 0 + 15a = 10 + 10a$$

$$\Rightarrow 5a = 10$$

$$\Rightarrow a = 2$$

Now, the ratio of water and milk = 1 : a = 1 : 2

46. Answer: d

Explanation:

Given

The radius of cylinder: 17 cm

Height of cylinder: 49 cm

Concept:

The curved surface area of a cylinder ($2\pi rh$).

Calculation:

$$\text{Curved surface area} = 2 \times \left(\frac{22}{7}\right) \times 17 \times 49 = 5236 \text{ cm}^2$$

Hence, the curved surface area of the cylinder is 5236 cm^2 .

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47. Answer: c

Explanation:

Given

Weight of new person: 40 kg and 28 kg

Change in average: Increase by 1 kg and decrease by 1 kg

Concept:

Average weight calculation (Sum of weights/Number of people).

Calculation:

Let there be n person in the group having average weight A .

Total weight/number of persons = Average weight

$$\text{Total weight} = nA \quad \text{---(1)}$$

According to the question

$$(nA + 40) / (n + 1) = A + 1 \quad \text{---(2)}$$

$$(nA + 28) / (n + 1) = A - 1 \quad \text{---(3)}$$

$$(2) - (3)$$

$$(nA + 40) / (n + 1) - (nA + 28) / (n + 1) = (A + 1) - (A - 1)$$

$$(nA + 40 - nA - 28) / (n + 1) = 2$$

$$12 / (n + 1) = 2$$

$$n = 5$$

From equation (2)

$$(5A + 40) / 6 = A + 1$$

$$5A + 40 = 6A + 6$$

$$A = 40 - 6 = 34$$

Hence, the actual average weight of the group is 34 kg.

48. Answer: c

Explanation:

Given:

A fan costs ₹850.

Calculation:

Cost of two fans = $2 \times ₹850 = ₹1700$

Now, let's find the cost of one board:

Cost of one board = $₹1700/4 = ₹425$

Next, we'll find the cost of two boards:

Cost of two boards = $2 \times ₹425 = ₹850$

Now, let's find the cost of one table:

Cost of one table = $₹850/4 = ₹212.50$

Cost of 2 tables = $212.50 \times 2 = 425$

Finally, we'll find the cost of one chair:

Cost of one chair = $₹425/4 = ₹106.25$

Therefore, the cost of a chair is ₹106.25.

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49. Answer: b

Explanation:

Given

Amount after 2 years: ₹26,450

Interest rate: 15% per annum

Concept:

Compound interest formula ($A = P(1 + r/n)^{nt}$).

Calculation:

Solving the compound interest formula for P gives

$$P = A / (1 + r/n)^{(nt)} = ₹26,450 / (1 + 0.15/1)^{(1 \times 2)} = ₹20000$$

Hence, the principal is ₹20,000.

50. Answer: c

Explanation:

Given:

$$2\frac{3}{7} \times \left[\left(11\frac{2}{6} \div \left(\frac{25}{18} + 2\frac{5}{6} - \frac{7}{36} \right) \right) \right] = y \div 72.5 \times 204$$

Concept Used:

Bodmas

Calculation:

Simplifying the given expression gives

$$2\frac{3}{7} \times \left[\left(11\frac{2}{6} \div \left(\frac{25}{18} + 2\frac{5}{6} - \frac{7}{36} \right) \right) \right] = y \div 72.5 \times 204$$

$$\frac{17}{7} \times \left[\left(\frac{68}{6} \div \left(\frac{25}{18} + \frac{17}{6} - \frac{7}{36} \right) \right) \right] = \frac{y}{72.5} \times 204$$

$$\frac{17}{7} \times \left[\left(\frac{68}{6} \div \left(\frac{50+102-7}{36} \right) \right) \right] = \frac{y}{72.5} \times 204$$

$$\frac{17}{7} \times \left[\left(\frac{68}{6} \times \left(\frac{36}{145} \right) \right) \right] = \frac{y}{72.5} \times 204$$

$$\frac{17}{7} \times \left[\left(\frac{408}{145} \right) \right] = \frac{y}{72.5} \times 204$$

$$\frac{17}{7} \times 408 = 408y$$

$$y = 17/7$$

Hence, the value of y is 17/7.

51. Answer: b

Explanation:

Given data:

Distance in 3 hours: 120 miles

Time: 8 hours

Concept: Distance = Speed \times Time.

Calculation:

Speed of the train = 120 miles/3 hours = 40 miles/hour

Distance in 8 hours = Speed \times Time = 40 miles/hour \times 8 hours = 320 miles

Hence, the train would travel 320 miles in 8 hours.

52. Answer: d

Explanation:

Given

Simple interest for 2 years: Rs.50

Interest rate: 5% per annum

Concept: Compound Interest calculation.

Calculation:

Principal = Simple interest / (2 \times rate) = 50 / (2 \times 0.05) = Rs.500

Compound interest = Principal \times ((1 + Rate)^{Time} - 1)

$$500 \times ((1 + 0.05)^2 - 1) = \text{Rs.}51.25$$

Hence, the compound interest when compounding annually at the same rate and for the same time is Rs. 51.25.

53. Answer: d

Explanation:

Given:

Original price = Rs. 1800

Sale price = Rs. 1500

Formula used:

$$\text{Percentage reduction} = ((\text{Original price} - \text{Sale price}) / \text{Original price}) \times 100$$

Calculation:

$$\text{Percentage reduction} = ((1800 - 1500) / 1800) \times 100$$

Simplifying the calculation:

$$\text{Percentage reduction} = (300 / 1800) \times 100$$

$$\text{Percentage reduction} = (1/6) \times 100$$

$$\text{Percentage reduction} = 50/3 \text{ percent}$$

Therefore, the price was reduced by 50/3 percent.

54. Answer: d

Explanation:

Given

Numbers: 120, 240, 480

Concept:

LCM of numbers.

Calculation:

$$120 = 2^3 \times 3 \times 5$$

$$240 = 2^4 \times 3 \times 5$$

$$480 = 2^5 \times 3 \times 5$$

The LCM of the given numbers is $2^5 \times 3 \times 5 = 480$

Hence, the LCM of the three numbers 120, 240, and 480 is 480.

55. Answer: d

Explanation:

Given

Initial distance: 380 m

Speed of thief and policeman: 25 m/s and 30 m/s respectively

Concept:

Relative speed and time calculation (Time = Distance/Speed).

Calculation:

Relative speed = speed of policeman - speed of thief

$$30 \text{ m/s} - 25 \text{ m/s} = 5 \text{ m/s}$$

Time = distance/relative speed

$$380/5 = 76 \text{ sec}$$

Hence, the policeman will catch the thief in 76 seconds.

56. Answer: d

Explanation:

Given:

$$2 \text{ sarees} + 4 \text{ shirts} = ₹1,600$$

$$1 \text{ saree} + 6 \text{ shirts} = ₹1,600$$

Calculation:

First, let's find out the cost of one saree. We can subtract the cost of 4 shirts from ₹1,600:

$$₹1,600 - (4 \text{ shirts}) = \text{cost of 2 sarees}$$

Next, let's find the cost of one saree:

$$\text{cost of 2 sarees} = ₹1,600 - (4 \text{ shirts})$$

Now, we can divide the cost of 2 sarees by 2 to find the cost of one saree:

$$\text{cost of one saree} = (₹1,600 - (4 \text{ shirts}))/2$$

Using the second equation, we know that 1 saree + 6 shirts = ₹1,600. We can substitute the value of one saree from the above calculation into this equation:

$$(₹1,600 - (4 \text{ shirts}))/2 + 6 \text{ shirts} = ₹1,600$$

Now, let's simplify the equation:

$$₹1,600 - (4 \text{ shirts}) + 12 \text{ shirts} = ₹1,600$$

Combine like terms:

$$8 \text{ shirts} = ₹1,600$$

Now, divide both sides of the equation by 8 to find the cost of one shirt:

$$\text{cost of one shirt} = ₹1,600/8$$

$$\text{cost of one shirt} = ₹200$$

Finally, to find the cost of 12 shirts, we can multiply the cost of one shirt by 12:

$$\text{cost of 12 shirts} = ₹200 \times 12$$

$$\text{cost of 12 shirts} = ₹2,400$$

Therefore, you will have to pay ₹2,400 to buy 12 shirts.

57. Answer: d

Explanation:

Given:

There are three subjects, each of 100 marks.

The student scored 75% in the first subject.

The student scored 86% in the second subject.

The student scored 68% in the aggregate (overall average).

Calculation:

Let's assume the score in the third subject is "x" (in percentage).

The aggregate percentage is calculated as the average of the scores in all three subjects.

Aggregate percentage = (Score in the first subject + Score in the second subject + Score in the third subject) / 3

$$68\% = (75\% + 86\% + x)/3$$

Multiplying both sides of the equation by 3:

$$204\% = 75\% + 86\% + x$$

Combining the percentages on the right-hand side:

$$204\% = 161\% + x$$

Now, subtract 161% from both sides of the equation:

$$204\% - 161\% = x$$

$$43\% = x$$

Therefore, the student's percentage of marks in the third subject is 43%.

58. Answer: b

Explanation:

Given

Cylinder dimensions: Height = 12 cm, Diameter = 6 cm

Sphere diameter: 6 cm

Concept: Volume calculation and comparison.

Calculation:

$$\text{Cylinder volume} = \pi r^2 h = \pi 3^2 12 = 108\pi \text{ cm}^3$$

$$\text{Sphere volume} = \frac{4}{3}\pi r^3 = \frac{4}{3}\pi 3^3 = 36\pi \text{ cm}^3$$

Number of spheres = Cylinder volume / Sphere volume

$$108\pi/36\pi = 3$$

Hence, 3 solid spheres can be made.

59. Answer: d

Explanation:

Given data:

A's time for 80 pages: 4 hours

B's time for 80 pages: 3 hours 20 minutes

Concept: Work and time ratio.

Calculation:

The ratio of work rates of A and B = B's time/A's time = $4/3.333 = 1.2$

Ratio of pages = $1.2 : 1 = 6 : 5$

A's share of 121 pages = $5/11 \times 121 = 55$ pages

Hence, A had to type 55 pages.

60. Answer: b

Explanation:

Calculation:

Discount = 15% of Rs. 8200

Discount = $(15/100) \times 8200$

Discount = Rs. 1230

Discounted price = Marked price - Discount

Discounted price = Rs. 8200 - Rs. 1230

Discounted price = Rs. 6970

Additional discount = 3% of the discounted price

Additional discount = $(3/100) \times 6970$

Additional discount = Rs. 209.1

Final amount = Discounted price - Additional discount

Rs. 6970 - Rs. 209.1

Rs. 6760.9

Therefore, Tina pays Rs. 6760.9

61. Answer: c

Explanation:

The correct answer is 'Option 3: Making a bad situation even worse'

★ Key Points

- 'Add fuel to the flames' (समस्या में और जटिलता लाना) means to make an already difficult situation even worse.
 - **For example:** "By arguing with her father, she only added fuel to the flames."
- 'Making a bad situation even worse' (बुरी स्थिति को और भी खराब करना), the correct meaning, captures the essence of the idiom.

Therefore, the **correct answer** is 'Option 3: Making a bad situation even worse'

★ Additional Information

- 'On the point of dying' (मरने के बिंदु पर) suggests a severe health crisis or similar life-threatening situation.
- 'At the slightest signal or provocation' (सबसे छोटे संकेत या उत्तेजना पर) implies immediate or trigger-sensitive reaction.
- 'Performing a desirable action' (वांछित कार्य करना) denotes doing something that is generally pleasing or wanted.

62. Answer: d

Explanation:

The correct answer is: 'Option 4: change (alter)'

★ Key Points

- 'Change' (परिवर्तन/बदलाव) in this context refers to making something different or the act of becoming different.
 - **Example:** "I decided to change my hairstyle."
- 'Change (alter)' (परिवर्तन/बदलाव), the correct word, essentially conveys the message of modifying or transforming something. An example might be: "She decided to change her diet to feel healthier."

Therefore, the correct answer is 'Option 4: change (alter)'

★ Additional Information

- 'Change (loose money)' (छुट्टा/छिल्लर) refers to coins as opposed to paper currency.
- 'Change (transfer)' (स्थानांतरण/ट्रांसफर) refers to a shift or move from a particular place.
- 'Change (switch)' (स्विच/बदल) refers to replacing one thing with another.

63. Answer: c

Explanation:

Correct Answer: 'Option 3: strict'

★ Key Points

- 'Austere' (कठोर/सादगी भरा) refers to a stern and strict way of life, often with minimal pleasures or luxuries.
 - **Example:** "He lived an austere lifestyle that included fasting and prayer."
- 'Strict' (कठोर), the correct synonym, is used to describe that which is stringent or precise, and exacting a high degree of compliance or obedience.
 - **Example:** "He followed a strict diet to improve his health."

Therefore, the correct answer is 'Option 3: strict'

★ Additional Information

- 'Dark' (अंधकार) often refers to the absence of light or the presence of gloominess.
- 'Luxurious' (ऐश्वर्यपूर्ण) implies a condition of great comfort, ease, and wealth.
- 'Logical' (तार्किक) suggests the quality or condition of being in accordance with the principles of logic.

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64. Answer: c

Explanation:

The correct answer is "Option 3: hog".

★ Key Points

- The term "**high on the hog**" is an idiom, meaning to live in a lavish or wealthy style, which suits the context of the sentence, talking about affluent classes.
- The other options (end, state, level) do not form a coherent idiom or phase with the words in the sentence, and thus cannot convey the intended meaning.

Therefore, the **correct answer** is "Option 3: hog".

★ Additional Information

- "End": while 'high-end' is a term to describe luxury goods, but in this sentence structure 'high on the end' doesn't make sense.
- "State": 'High on the state' does not form a meaningful phrase or idiom.
- "Level": 'High on the level' is also not a recognized phrase or idiom.

65. **Answer: c**

Explanation:

The **correct answer** is "Option 3: massive".

★ Key Points

- The term "**massive**" is appropriate in this context as it denotes a large quantity, which is often used to describe the large amount of data that computers can process.
- It **fits grammatically** in the blank space and correctly reflects the intended meaning of the sentence.
- Computers are known for their ability to process vast amounts of information rapidly, so the adjective "**massive**" is accurate.

Therefore, the correct answer is "Option 3: massive".

★ Additional Information

- "**Peer**" usually refers to someone of equal rank, status or ability; not applicable here as it doesn't denote a quantity.
- "**Bulge**" is often used to describe a swollen or protruding part; doesn't fit in the context.
- "**Foster**" means to encourage or promote development; it doesn't indicate a quantity.

66. Answer: a

Explanation:

The correct Answer is: 'Option 1: Deseive'

★ Key Points

- 'Deseive' is incorrectly spelled.
- The correct spelling is 'deceive' (धोखा देना).
- **For example:** "He tried to deceive his friends by wearing a disguise."
- 'Definite', 'Decision', 'Deposit' are all spelled correctly and aren't relevant for this particular question.

Therefore, the correct answer is 'Option 1: Deseive'

★ Additional Information

- 'Definite' (निश्चित) means clearly stated or decided; leaving no room for confusion.
- 'Decision' (निर्णय) is a conclusion or resolution reached after consideration.
- 'Deposit' (जमा) is a sum of money placed or kept in a bank account.

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67. Answer: d

Explanation:

The correct answer is "Option 4: on-site assessment".

★ Key Points

- In the context of a property surveyor, the more common term used is "**on-site assessment**" instead of "on-field evaluation".
- "**On-site**" typically refers to a location that is specific, usually where the said property is situated.

- The term "**assessment**" is used more commonly in relation to surveys and reports, specifically when evaluating something's value or worth.

Therefore, the **correct answer** is "*Option 4: on-site assessment*".

★ Additional Information

- An "**official collection**" would not be an appropriate substitution as it does not convey the action of evaluating and assessing a property.
- An "**off-site assignment**" suggests an activity occurring away from the primary location, typically a workplace or site, which does not maintain the original meaning of the phrase to be replaced.
- "**Off-field tracking**" does not maintain the evaluative aspect of the surveyor's actions described in the original sentence.

68. **Answer: c**

Explanation:

The correct answer is "Option 3: barely managed to make ends meet".

★ Key Points

In English, the common usage is "make ends meet" not "make both the ends meet". The term "barely managed to" implies a struggle or difficulty, which aligns with the context of the lockdown where many families had financial hardships.

The phrase "barely managed to make ends meet" correctly captures the original meaning of the sentence and fits both grammatically and contextually.

Therefore, the correct answer is "Option 3: barely managed to make ends meet".

★ Additional Information

"Can manage to make both the ends meet" changes the tense of the sentence from past to present.

"Could make both the ends meet" changes the sense of struggle and difficulty in the original sentence.

"Were making both the ends meet" also doesn't involve the notion of difficulty.

69. Answer: d

Explanation:

The correct answer is "Option 4: debate".

★ Key Points

- The word "**debate**" refers to a formal discussion on a particular topic where opposing arguments are put forward, fitting perfectly within the context of the sentence.
- An "**open debate**" implies that different or opposing views were allowed and encouraged, which aligns with the context of a discussion on pandemics.
- None of the other options make sense in the context of the sentence.

Therefore, the correct answer is "Option 4: debate".

★ Additional Information

- An "**open drought**" doesn't make sense in relation to arranging an event by students.
- "**Open debase**" has no clear meaning, and the term 'debase' typically implies the action of reducing something in quality or value.
- "**Open debt**" would not make sense contextually as it isn't an event that can be arranged.

70. Answer: d

Explanation:

Correct Answer: 'Option 4: Catch'

★ Key Points

- **'Seize'** (पकड़ना/ज़ब्त करना) refers to take hold of suddenly and forcibly or take control of something.
- **Example:** "The police seized the stolen goods."
- **'Catch'** (पकड़ना), the correct synonym, also refers to the act of capturing or apprehending.
- **Example:** "He managed to catch the thief."

Therefore, the correct answer is 'Option 4: Catch'

★ Additional Information

- **'Filter'** (छानना/फ़िल्टर करना) means pass (a liquid, gas, light, or sound) through a device to remove unwanted material.
- **'End'** (अंत/समाप्त) refers to the final part of an event.
- **'Ocean'** (महासागर/समुद्र) is a very large expanse of sea.

71. **Answer: d**

Explanation:

The correct answer is "Option 4: D. I called you some time back to resolve this issue."

★ Key Points

- **Simple past tense** is simplest form of past tense in English, which generally requires the use of the past tense form of the verb.
- In this case, "I called you some time back to resolve this issue" is in simple past tense, as "called" is the past tense of the verb "to call".
- The sentence represents a one-time action that happened in the past.
- Therefore, the correct answer is **"Option 4: D. I called you some time back to resolve this issue."**

★ Additional Information

- "I was calling you some time back to resolve this issue" is in the **past continuous tense**.

- "I had been calling you some time back to resolve this issue" is in the **past perfect continuous tense**.
 - "I have called you some time back to resolve this issue" is in the **present perfect tense**.
-

72. Answer: b

Explanation:

The correct answer is: **'Option 2: Unresponsive'**

★ Key Points

- **'Ready'** (तैयार) refers to being fully prepared or in a suitable state for an action or situation.
 - **For example:** "She was always ready to help those in need."
- **'Unresponsive'** (अप्रतिस्पर्धी), the correct antonym, means not responding to something, or not ready or able to respond.
 - **Example:** "He was unresponsive to his teacher's instructions."

Therefore, the **correct answer** is **'Option 2: Unresponsive'**

★ Additional Information

- **'Set'** (सेट/निश्चित करना) often refers to putting or arranging things in a specified place or position.
 - **'Holistic'** (समग्र) means related to the whole of something or to the total system instead of just to its parts.
 - **'Humble'** (विनम्र) means having or showing a modest or low estimate of one's importance.
-

73. Answer: c

Explanation:

The correct answer is "Option 3: To ensure peace and calm".

★ Key Points

- "Ensure" means to make certain that something will occur or be the case.
- "Insure" is commonly used in the context of providing or obtaining coverage, compensation, or financial protection against loss, damage, or liability.
- Given the context of the sentence, where the government takes an action to guarantee safety, the term "ensure" is suitable.

Therefore, the correct answer is "Option 3: To ensure peace and calm".

★ Additional Information

- The phrases "To insure peace along calm", "In to ensure peace and calm", and "Insure peace and calm" are incorrect substitutes because they either change the word order to an extent that the sentence loses its original meaning or they incorrectly use "insure" instead of "ensure".

74. Answer: d

Explanation:

The correct answer is: 'Option 4: a significant'

★ Key Points

- 'Important' (महत्वपूर्ण) refers to of great significance or value, likely to have a profound effect on success, survival, or something else.
- **Example:** "The first day of school is an important event in a child's life."
- 'Significant' (महत्वपूर्ण/सार्थक), the correct synonym, also denotes something that is worthwhile or important.
- **Example:** "Her role is very significant in the project."

Therefore, the correct answer is 'Option 4: a significant'

★ Additional Information

- 'A bad' (एक खराब) suggests a poor quality or a non-desirable characteristic.
 - 'An enormous' (विशाल) suggests very large in size, quantity, or extent.
 - 'A good' (अच्छा) suggests of a high standard or quality.
-

75. Answer: a

Explanation:

The correct answer is: 'Option 1: luxury'

★ Key Points

- 'Frugality' (मितव्ययिता) refers to the quality of being economical with money or food; simplicity and cost-effectiveness.
- For example: "Living in frugality often leads to significant savings."
- 'Luxury' (आईश्वर्य), the correct antonym, signifies an indulgence in expensive or comfortable items or lifestyle.
- For example: "He lived a life of luxury after winning the lottery."

Therefore, the correct answer is 'Option 1: luxury'

★ Additional Information

- 'Spare' (बचत/अतिरिक्त) often refers to additional to what is required for ordinary use.
 - 'Assist' (सहायता) means to help someone, often in the achievement of a task.
 - 'Ease' (आराम) could refer to a state of being comfortable or free from stress or worry.
-

76. Answer: a

Explanation:

The correct answer is: Option 1 "current".

★ Key Points

- The term "**current**" is suitable here as it provides a time-bound context to the worth of the industry, indicating the present or most recent value.
- In the sentence, the term "**worth of the industry**" means the present value of the industry.
- So, "current worth of the industry" means the value of the industry right now or at the present time.
- It **also fits well** in the economic context where values and figures are often discussed in terms of their current, past and future status.
- The term "**current**" is often used in financial/economic contexts to talk about the present status of things.

Therefore, the correct answer is 'Option 1', "current".

★ Additional Information

- 'Option 2', '**living**', does not suit the context as it is usually referred to biological or lifestyle contexts.
- 'Option 3', '**prevalent**', indicates something widely accepted or practiced, but doesn't specifically relate to a present-time condition of a numerical value
- 'Option 4', '**modern**', refers to something related or pertaining to the present times in terms of trend or technology, and does not accurately describe the present-time monetary value of the industry.

77. Answer: a

Explanation:

The correct answer is: Option 1, "high-end".

★ Key Points

- The term "**high-end**" applies here because it implies superior quality, often related to services or products, indicating they are top of the line or luxury.

- In accordance to the context, indicates that the medical facilities India provides are top-tier, advanced, and of excellent quality.
- The term works well with the given u"high-end facilities"sage that explains the quality and standard of service that contribute to growth in the medical tourism sector.
- Moreover, the term "high-end" is often used in contexts where the quality and level of sophistication of services or products are under discussion.

Therefore, the **correct answer** is:

★ Additional Information

- 'Option 2', '**fashionable**', is more commonly used to describe trends and styles, and not apt in the context of describing health facilities.
- 'Option 3', '**ostentatious**', and 'Option 4', '**showy**', both suggest an overly ornate or extravagant style aimed to impress, but don't necessarily imply quality or high standards. These would not typically be used to describe medical facilities.

78. **Answer: a**

Explanation:

The **correct answer** is: Option 1, "**expertise**".

★ Key Points

- The term "**expertise**" is the correct choice here. It implies a profound knowledge or skill in a particular field. In this context, it refers to the doctors' deep understanding, skill, and proficiency in the medical field.
- It appropriately describes the quality of the doctors in India, contributing to the attraction of medical tourism as it places emphasis on professional competency and specialization.
- The term "**expertise**" often gets used when discussing proficiency or skill level in professional contexts, and therefore, fits perfectly into the context of the passage dealing with the quality of medical care.

Therefore, the **correct answer**:

★ Additional Information

- 'Option 2', '**conversance**', implies a basic familiarity, not deep knowledge or skill in a specific field, making it an unsuitable choice here.
- 'Option 3', '**acquaintance**', is often used to refer to basic knowledge or connection with someone, not professional skill or knowledge.
- 'Option 4', '**intimacy**', typically refers to closeness or familiarity in terms of relationships, not professional expertise or skill.

79. **Answer: b**

Explanation:

The **correct answer** is: Option 2, "**superior**".

★ Key Points

- The term "**superior**" fits here as it indicates quality that is more than average or better than others in comparison.
- In this context, the term "**superior outcomes**" means that the results of the medical treatment are of high quality or better than what could be expected from other comparable services.
- The term "**superior**" connects well with the overall message of the passage that presents Indian medical tourism sector as top-notch, competitive, and delivering excellent results.
- "**Superior**" is often used in professional or academic contexts to denote high quality results, outputs, or performance.

Therefore, the **correct answer** is

★ Additional Information

- 'Option 1', '**fancy**', is often used to describe things that are sophisticated or decorated, but doesn't necessarily indicate quality or effectiveness, making it less suitable here.

- 'Option 3', '**ultimate**', often refers to the best achievable or imaginable of its kind but may sound too hyperbolic in this context.
- 'Option 4', '**premium**', usually indicates a higher cost for a better product or service, but doesn't specifically refer to results or outcomes.

80. Answer: a

Explanation:

The correct answer is: Option 1, "**undoubtedly**".

★ Key Points

- The word "**undoubtedly**" is appropriate here as it indicates a high level of certainty, a fact that's unquestionably true or expected.
- Given the context of the passage that has consistently presented the medical tourism sector in India as rapidly growing, the word "**undoubtedly**" aligns with the certainty and conviction of that growth.
- "**Undoubtedly**" is often used in situations where the speaker believes the statement to be absolutely and unquestionably true.

Therefore, the correct answer is

★ Additional Information

- 'Option 2', '**forsooth**', is an archaic term used to express agreement or indeed, not suitable in this context.
- 'Option 3', '**alright**', can express agreement or acceptance but does not denote the certainty required here.
- 'Option 4', '**conceivably**', indicates the possibility of something happening but does not express the strong certainty that "undoubtedly" does.