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



BPSC



UPTET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB



SSC MTS Previous Year Paper (Held on: 13 Oct 2021 Shift 1)

Total Time: 1 Hour: 30 Minute Total Marks: 100

Instructions

SI No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks
1	General English	25	25	0.25	1
2	General Intelligence & Reasoning	25	25	0.25	1
3	Numerical Aptitude	25	25	0.25	1
4	General Awareness	25	25	0.25	1

- 1.) A total of 90 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 English

1.	Select the word which means the same as the group of words given.	(+1, -0.25)
	To prevent or alter a result or course of events	
	a. Interchange	
	b. Interrelate	
	c. Intervene	
	d. Interact	
2.	Identify the segment in the sentence which contains a grammatical error.	(+1, -0.25)
	If you could wait for just half an hour you will certain be able to meet her.	
	a. If you could wait	
	b. you will certain	
	c. be able to meet her example Example Example 1	
	d. for just half an hour	
3.	Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.	(+1, -0.25)
	No sooner I get the message, I shall pass it on to you.	
	a. As soon as	
	b. No substitution required	





	c. Although d. Hardly	
4.	Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.	(+1, -0.25)
	Karan was so <u>deep effected</u> by the film that he didn't speak a word.	
	a. deeply affected	
	b. No substitution required	
	c. deeper affect	
	d. deeply effective	
5.	Select the most appropriate meaning of the given idiom.	(+1, -0.25)
	Alive and kicking	
	a. To be very good in football	
	b. To be active and healthy	
	c. To be careless and unafraid	
	d. To behave childishly	
6.	Select the INCORRECTLY spelt word.	(+1, -0.25)
	a. Occur	
	b. Midday	



c. Addres

	d. Cuddle	
7.	Select the most appropriate idiom to fill in the blank.	(+1, -0.25)
	Ritu was shocked on learning that her kids had somewhere after school.	
	a. wandered off	
	b. jumped at	
	c. wondered at	
	d. finished off	
8.	Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.	(+1, -0.25)
	The BBC has a wonderful series on <u>a</u> emergence of women novelists in English literature.	
	a. the	
	b. No substitution required	
	c. that	
	d. many	
9.	Select the INCORRECTLY spelt word.	(+1, -0.25)
	a. Essence	





	b.	Tolerence	
	c.	Preference	
	d.	Insistence	
10.	Se	elect the word which means the same as the group of words given .	(+1, -0.25)
	Lo	isting for only a short time	
	a.	Permanent	
	b.	Transient	
	c.	Solitary	
	d.	Joyous	
11.	Se	lect the most appropriate idiom to fill in the blank.	(+1, -0.25)
		dushi liked the cake so much that she	
	a.	pulled at it Ur Personal Exams Guide	
	b.	poked with it	
	c.	pushed it over	
	d.	polished it off	
12.	Se	elect the most appropriate synonym of the given word.	(+1, -0.25)
	CI	RUCIAL	
	a.	Vital	





	b. Menial	
	c. Easy	
	d. Trivial	
13.	Select the most appropriate ANTONYM of the given word.	(+1, -0.25)
	RENOWNED	
	a. Vain	
	b. Noted	
	c. Obscure	
	d. Glorious	
14.	Select the most appropriate word to fill in the blank.	(+1, -0.25)
	During the monsoons it isto boost one's immunity with a proper diet and regular exercise.	
	a. advisable	
	b. improper	
	c. advising	
	d. imprudent	
15.	Select the most appropriate word to fill in the blank.	(+1, -0.25)
	The Blood Finder app is very useful in the correct donor.	





	a. locating			
	b. unlocking			
	c. starting			
	d. establishing			
16.	Select the most appropriate meaning of the given idiom .	(+1, -0.25)		
	Chinks in the armour			
	a. An old fashioned and useless weapon			
	b. A weakness that can be taken advantage of			
	c. A protective shield with ventilation			
	d. A soldier's inner vest that protects			
17.	Identify the segment in the sentence which contains a grammatical error.	(+1, -0.25)		
	I was thrilled to going out with my friend for the film.			
	a. to going out			
	b. I was thrilledc. with my friend			
	d. for the film			
18.	Select the most appropriate ANTONYM of the given word.	(+1, -0.25)		
	IRRITATE			





	u. SHOCK	
	b. Delight	
	c. Frighten	
	d. Annoy	
19.	Select the most appropriate synonym of the given word.	(+1, -0.25)
	INTERROGATE	
	a. Meditate	
	b. Answer	
	c. Investigate	
	d. Delay	
20.	Identify the segment in the sentence which contains a grammatical error.	(+1, -0.25)
	According to current research by World Health Organisation, a 65-year-old person is then no longest categorised as old.	
	a. categorised as old	
	b. a 65 year old person	
	c. According to current research by World Health Organisation	
	d. is then no longest	





21.	In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.	(+1, -0.25)
	The pandemic in India occurred at a time (1) the crop was standing all ready to be (2) If NAFED had not intervened with the initiative (3) the stocks of farmers in these circumstances, it (4) not only have been devastating for the farmers (5) also led to a food emergency later on.	
	Select the most appropriate option to fill in blank no. 1.	
	a. when	
	b . during	
	c. where	
	d. until	
22.	In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.	(+1, -0.25)
	The pandemic in India occurred at a time (1) the crop was standing all ready to be (2) If NAFED had not intervened with the initiative (3) the stocks of farmers in these circumstances, it (4) not only have been devastating for the farmers (5)	
	also led to a food emergency later on.	
	Select the most appropriate option to fill in blank no. 2.	
	a. picking	
	b. harvested	



	C. Invested
	d. collecting
23.	In the following passage, some words have been deleted. Fill in the blanks (+1, -0.25) with the help of the alternatives given. Select the most appropriate option for each blank.
	The pandemic in India occurred at a time (1) the crop was standing all ready to be (2) If NAFED had not intervened with the initiative (3) the stocks of farmers in these circumstances, it (4) not only have been devastating for the farmers (5) also led to a food emergency later on.
	Select the most appropriate option to fill in blank no. 3.
	a. to earnb. to divert
	c. to purchase
	d. to patronise Your Personal Exams Guide
24.	In the following passage, some words have been deleted. Fill in the blanks (+1, -0.25) with the help of the alternatives given. Select the most appropriate option for each blank.
	The pandemic in India occurred at a time (1) the crop was standing all ready to be (2) If NAFED had not intervened with the initiative (3) the stocks of farmers in these circumstances, it (4) not only have been devastating for the farmers (5) also led to a food emergency later on.
	Select the most appropriate option to fill in blank no. 4.





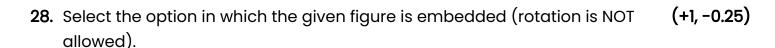
	a. cant	
	b. will	
	c. would	
	d. must	
25.	In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.	(+1, -0.25)
	The pandemic in India occurred at a time (1) the crop was standing all ready to be (2) If NAFED had not intervened with the initiative (3) the stocks of farmers in these circumstances, it (4) not only have been devastating for the farmers (5) also led to a food emergency later on. Select the most appropriate option to fill in blank no. 5. a. but b. however c. yet d. so	



General Intelligence & Reasoning

- (+1, -0.25)26. If in a coding system, SHELVES is coded as 100 and TURNING is coded as 87, then how will REDRESS be coded in the same coding system?
 - **a.** 89
 - **b**. 88
 - **c.** 102
 - **d.** 101
- (+1, -0.25)27. 'Frogs' is related to 'Croak' in the same way as 'Peacock' is related to '_____'·

- a. Growl
- **b**. Grunt
- c. Hiss
- d. Scream









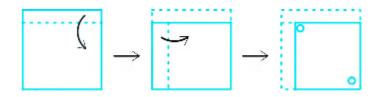




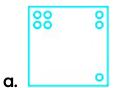


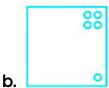
29. Which number will replace the question mark (?) in the following series? (+1, -0.25)

- 31, 32, 35, 46, 59, 88, 119, ?
- **a.** 174
- **b.** 147
- **c.** 141
- **d.** 114
- (+1, -0.25)30. A paper is folded and cut as shown below. How will it appear when unfolded?







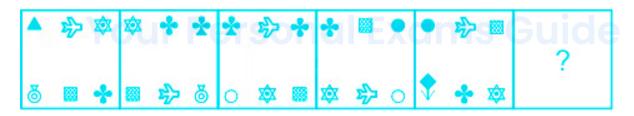






31. Which figure will replace the question mark (?) in the following figure series?

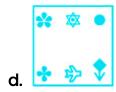
(+1, -0.25)











- **32.** If SHADOW is coded as 184 and TEDIOUS is coded as 384, then how will VALIDATE be coded as?
- (+1, -0.25)

- **a.** 486
- **b.** 468
- **c.** 568
- **d.** 586
- 33. Select the option that is related to the third letter-cluster in the same way (+1, -0.25) as the second letter-cluster is related to the first letter-cluster.

GEOGRAPHY: OEGARGYHP:: REASONING:?

- a. NOSGNIAER
- b. AERN OSGNI
- c. SAERONNIG
- d. GNINOSAER



34. Eight members of a family – Archana, Suman, Dheeraj, Meghana, Bindu, Tilak, Rajan and Kiran are sitting in a straight line facing North. They have different ages – 12,17, 19, 22, 28, 31, 38 and 48 but not necessarily in the same order.

(+1, -0.25)

Archana is sitting third to the right of the one who is 22 years old. Meghana and the one who is 22 years old are sitting together. One person is sitting between Kiran and one whose age is 48 years. The difference between the ages of Bindu and Kiran is 5 years. The one who is 10 years older than Meghana is sitting third to the right of Meghana. Rajan and Dheeraj are sitting together and one of them is sitting at the extreme end of the line. Dheeraj is 9 years older than Suman. Archana is sitting in the middle of Kiran and Tilak. Archana is 12 years younger than Dheeraj. Kiran is not 12 years old.

Who is sitting third to the right of Meghana?

- **a.** Bindu
- **b.** Dheeraj
- c. Tilak
- d. Kiran Your Personal Exams Guide
- 35. Select the option that is related to the third number in the same way as (+1, -0.25) the second number is related to the first number.

24:588:: 26: _____.

- **a.** 689
- **b.** 678
- **c.** 698





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36. Select the option that is related to the third word in the same way as the second word is related to the first word.

Audacious: Courageous:: Deflate: _____.

- a. Enlarge
- b. Entangle
- c. Collapse
- d. Attentive

37. Two statements are given, followed by two conclusions numbered I and II. (+1, -0.25) 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.

Statements:

Some candles are bulbs

Some bulbs are generators

Conclusions:

- I. Some candles are generators
- II. All candles are generators
- a. Only conclusion I follows
- **b.** Only conclusion II follows
- c. Both conclusions I and II follow





- d. Neither conclusion I nor II follows
- **38.** The notification for six different posts Clerk, PRO, Lecturer, Accountant, Watchman and Principal- are to be released on consecutive Fridays. The schedule of the releasing is to be in accordance with the following conditions:

(+1, -0.25)

- (i) Clerk post must be released a week before the Watchman post.
- (ii) Lecturer post must not be released immediately after the first release.
- (iii) PRO post must be released on the Friday following the Friday on which the Principal post is released.
- (iv) Accountant post must be released on the fifth Friday and should not be immediately preceded by the PRO post.
- (v) The Watchman post must not be released last.

Which of the following notifications will be released immediately after the PRO post?

- a. Watchman
- **b.** Principal
- c. Clerk
- d. Lecturer
- 39. Three of the following four letter-clusters are alike in a certain way and (+1, -0.25) one is different. Pick the odd one out.
 - a. GCXD
 - b. KGT Z





- c. TPLR
- d. NJQW
- **40.** Three statements are given, followed by four conclusions numbered I, II, III, IV. 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.

(+1, -0.25)

Statements:

Some drums are violins

Some violins are pianos

All the pianos are flutes.

Conclusions:

- I. Some flutes are violins.
- II. Some pianos are drums.
- III. No piano is drum.
- IV. Some violins are drums.
- a. Both conclusions I and IV and either II or III follows
- b. Both conclusions II and III follow
- c. Both conclusions II and IV follow
- d. Both conclusions I and II follow
- **41.** If 'x' stands for 'addition', '÷' stands for 'subtraction', '+' stands for 'multiplication' and '-' stands for 'division', then

(+1, -0.25)









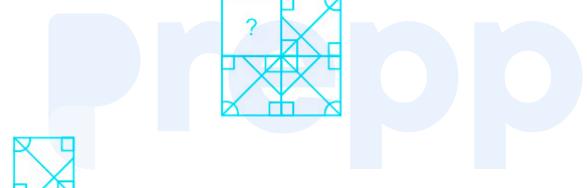
$$75 \times 345 + 15 - 23 \div (15 + 18) = ?$$

- **a.** 10
- **b.** 20
- **c.** 40
- **d.** 30
- **42.** In a code language, MAJESTY is written as TEQIZAF. How will DURABLE be (+1, -0.25) written as in that language?
 - a. KAYEISI
 - b. KBTECT L
 - c. KBYEISL
 - d. KASECSI
- 43. Which number will replace the question mark (?) in the following series? (+1, -0.25)
 - 8, 26, 73, 157, 284, 464, 705, 1017, ?
 - **a.** 1480
 - **b.** 1840
 - **c.** 1408
 - **d.** 1804
- **44.** Select the set in which the numbers are related in the same way as are (+1, -0.25) the numbers of the given set .



(105, 6, 27)

- **a.** (155, 8, 42)
- **b.** (250, 11, 52)
- **c.** (145, 8, 37)
- **d.** (152, 7, 32)
- (+1, -0.25)45. Select the option that can replace the question mark (?) and complete the given figure.













46. Select the correct mirror image of the given combination when the mirror (+1, -0.25) is placed to the right side of it.

&VEcTORANaLYsIS2

- a &VEcTORaNALYSIs2
- &VEcTORaNALYSIs2 d
- C &VEcTORANaLYsiS2
- &VEcTORANaLYsIS2 b
- **47.** In a certain code language, if MEALTIME is written as TMMLIEEA, then how will PROVINCE be written in the same code language? (+1, -0.25)
 - a. ORPNIVEC
 - b. VRPONIEC
 - c. VPRONEIC
 - d. RPVONIEC
- **48.** Select the Venn diagram that best illustrates the relationship between (+1, -0.25) the following classes.

Doctors, Politicians, Men







a.



b.



C.



_

49. In a row of boys, Karun is 5th from the left and Panth is 6th from right. When they exchange their position, Karun becomes 13th from the left . What is the new position of Panth from the right?

(+1, -0.25)

- **a.** 11th
- b. 7th Your Personal Exams Guide
- **c.** 14th
- **d.** 18th
- **50.** Which two signs should be interchanged to make the given equation correct?

(+1, -0.25)

$$110 + 728 \div 28 - 15 \times 413 = 87$$



- **b.** ÷ and -
- **c.** ÷ and +
- \mathbf{d} . \times and -

Your Personal Exams Guide





Numerical Aptitude

51. Study the following bar graph that shows the number of students enrolled (+1, -0.25) for different courses in institutes A and B during 5 years, and answer the question that follows.

Number of students enrolled in Institute A and Institute B during 2014 to 2018



What is the ratio of the total numbers of students enrolled in A during 2017 and 2018 to that of students enrolled in B during 2014 and 2015?

- **a.** 34:39
- **b**. 17:39
- **c.** 39:17
- **d**. 39:34
- 52. If x is subtracted from each of 52, 47, 20 and 19, the number so obtained (+1, -0.25) in this order are in proportion. What is the mean proportional between (x + 13) and (x 8)?





- **a.** 12
- **b.** 10
- **c.** 15
- **d**. 9
- 53. The marked price of an article is ₹400. After allowing a discount of 20% on (+1, -0.25) the marked price, a shopkeeper makes a profit of ₹48. His gain percentage is:
 - **a.** 15 $\frac{11}{17}$ %
 - **b.** 19 $\frac{11}{17}$ %
 - **c.** 17 $\frac{11}{17}$ %
 - **d.** 14 $\frac{11}{17}$ %
- 54. 'A' is 3 times as good a workman as 'B' and therefore is able to complete a job in 36 days less than 'B'. In how many days will they finish it working together?
 - **a.** $12\frac{1}{2}$
 - **b.** $15\frac{1}{2}$
 - **c.** $14\frac{1}{2}$
 - **d.** $13\frac{1}{2}$
- 55. The median of a set of 11 distinct observations is 17.5. If each of the largest (+1, -0.25) 5 observations of the set is increased by 3, then the median of the new set:





- a. is three times of the original number **b.** is decreased by 3 c. is increased by 3 **d.** remains the same as that of the original set (+1, -0.25)**56.** A certain sum is divided among A, B, C and D such that B's share is $\frac{1}{3}$ of A's share, C's share is 40% of B's share. and D's share is 50% of C's share. If the difference between the shares of B and D is Rs. 1,600, then the sum is: **a.** ₹ 9,600 **b.** ₹ 9,400 **c.** ₹ 9,000 **d.** ₹ 9,200 (+1, -0.25)57. A boy walked along two adjacent sides of a rectangular field. If he had walked along the diagonal, then he would have saved a distance equal to one-fourth of the larger side. The ratio of the larger to the smaller side is: **a.** 17:24 **b.** 11:18 **c.** 24:7 **d.** 18:11
- **58.** In a class of 80 students, 60% are girls and the rest are boys. The average (+1, -0.25) weight of boys is 5% more than that of girls. If the average weight of all





the student is 51 kg, then what is the average weight (in kg) of the boys?

- **a.** 47.5
- **b.** 55
- **c.** 52.5
- **d.** 50
- 59. If 4 men can reap a field in 5 days working 9 hours a day, in how many (+1, -0.25) days can 10 men reap the same field working 6 hours a day?
 - **a.** 5
 - **b**. 4
 - **c**. 3
 - **d**. 2
- 60. Sita and Geeta start at the same time to ride from place A to place B, which is 90 km away from A. Sita travels 3 km per hour slower than Geeta.

 Geeta reaches place B and at once turns back meeting Sita 15 km from place B. Sita's speed (in km/h) is:
 - **a**. 9
 - **b.** 6
 - **c.** 10.5
 - **d.** 7.5





61. Study the following bar graph that shows the number of students enrolled (+1, -0.25) for different courses in institutes A and B during 5 years, and answer the question that follows.

Number of students enrolled in Institute A and Institute B during 2014 to 2018



The total number of students enrolled in A during 2014, 2016 and 2018 is what percentage of the total number of average students enrolled in B during the 5 years (correct to one decimal place)?

- a. 238.4% OUT Personal Exams Guide
- **b.** 276.5%
- **c.** 285.7%
- **d.** 237.6%
- 62. What is the sum of the numbers between 300 and 500 such that when they are divided by 6, 12 and 16, it leaves no remainder?
 - **a.** 1586





- **b**. 1632
- **c.** 1764
- **d.** 1618
- **63.** ₹ 63,800 is to be divided between A and B in the ratio 4 : 7. The difference (+1, -0.25) between their share (in ₹) is:
 - **a.** 23,200
 - **b.** 40,600
 - **c.** 25,000
 - **d.** 17,400
- 64. The length of a rectangle is three-fifth of the radius of a circle. The radius (+1, -0.25) of the circle is equal to the side of a square whose area is 6400 m². The area (in m²) of the rectangle, if the breadth is 20 m is:
 - **a.** 1200
 - **b**. 480
 - **c.** 960
 - **d.** 1000
- **65.** Due to 20% reduction in the price of wheat per kg. Ram is able to buy 5 kg (+1, -0.25) more for ₹ 800. What is the original price (in ₹) of wheat per kg?
 - **a.** 30
 - **b.** 55





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u.	40

66. A rectangular room has an area of 60 m ² and perimeter of 34 m. The length of the diagonal of the rectangular room is same as the side of a square. The area of the square (in m ²) is:

(+1, -0.25)

- **a**. 169
- **b**. 144
- **c**. 300
- **d**. 244
- 67. A person borrows ₹ 75,000 for 3 years at 5% simple interest. He lends it to (+1, -0.25)

 B at 7% for 3 years. What is his gain (in ₹)?
 - **a.** 6,000
 - b. 4,500 our Personal Exams Guide
 - **c.** 3,500
 - **d.** 5,000
- **68.** In an election, the votes cast for two candidates were in the ratio 4 : 9. If **(+1, -0.25)** the successful candidate received 984321 votes, then the total votes polled were:
 - **a.** 1712597
 - **b.** 1421797





- **c.** 1912577
- **d.** 1571279
- **69.** A train takes 1 hour 20 minutes to travel between two stations, P and Q. If it travels at $\frac{5}{6}$ of its usual speed, how long will it take to travel between P and Q?
 - ·
 - **b.** 1 h 48 min

a. 1h 24 min

- c. 1h 36 min
- **d.** 1 h 12 min
- 70. There are four different numbers. The average of the first three numbers (+1, -0.25) is three times the fourth number, and the average of all the four numbers is 55. What is the average of the first three numbers?
 - a. 72 Vour Personal Evams Guide
 - **b.** 63
 - **c.** 60
 - **d**. 66
- **71.** The value of $\frac{13}{2}$ $\left[15 \div \frac{3}{5} \ of \ \frac{1}{2} + 76 + 1 \ \frac{1}{2} \times 4\frac{1}{2} \ \div 3\frac{1}{4}\right]$ is: (+1, -0.25)
 - **a.** 832
 - **b.** 830.5





_	832.5

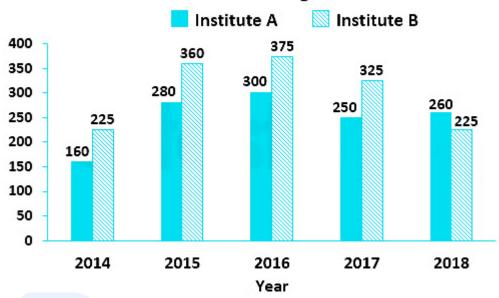
_1	700	_
a.	/32.	ხ

- 72. A certain sum amounts to ₹ 29,282 in 4 years at 10% p.a. when the interest (+1, -0.25) is compounded yearly. What is the simple interest (in ₹) on the same sum for 5 years at the same rate?
 - **a.** 10,000
 - **b.** 11,500
 - **c.** 7,000
 - **d.** 9,000
- 73. A man bought two articles for ₹ 3,000 each. He sold one article at 10% (+1, -0.25) profit and the other at 5% loss. What is the total profit or loss percentage?
 - a. Profit 10%
 - **b.** Profit 2.5%
 - c. No profit no loss
 - **d.** Loss 7.5%
- 74. Study the following bar graph that shows the number of students (+1, -0.25) enrolled for different courses in institutes A and B during 5 years, and answer the question that follows.





Number of students enrolled in Institute A and Institute B during 2014 to 2018



The average number of students (per year) enrolled in B during 2015, 2016 and 2018 is what percentage more than the number of students enrolled in A during 2016 (correct to one decimal place)?

- **a.** 7.6%
- **b.** 8.5%
- c. 5.8% Your Personal Exams Guide
- **d.** 6.7%

75. What is the value of x, if $[0.9 \{1.1 - 0.3(0.3 - 0.2 \div 0.5) + 0.4\}] \div 0.81 = x+1? (+1, -0.25)$

- **a.** -0.8
- **b.** 0.7
- **c.** 1
- **d.** -0.5



General Awareness

76.	76. The impression of the body part of a dead insect on hardened mud is an example of a/an	
	a. sediment	
	b. artifact	
	c. compost	
	d. fossil	
77.	As of July 2020, who among the following is the Union Minister of Law and Justice in India? a. Ravishankar Prasad	(+1, -0.25)
	b. Smriti Iranic. Mahendra Nath Pandeyd. Gajendra Singh Shekhawat	
78 .	Who among the following Indian footballers was NOT a goalkeeper?	(+1, -0.25)
	a. Bhaskar Ganguly	
	b. Peter Thangaraj	
	c. Bidesh Bose	
	d. Brahmanand Salgaocar	
79 .	Who among the following was the last ruler of Lodi dynasty of Delhi?	(+1, -0.25)





	a.	Ibrahim Lodi	
	b.	Sikander Lodi	
	c.	Barbak Shah	
	d.	Bahlul Lodi	
80.	W	hat is the Steam Point on the Fahrenheit scale?	(+1, -0.25)
	a.	. 32° F	
	b.	. 100° F	
	c.	212° F	
	d.	. 80° F	
81.		of July 2020, how many fundamental duties are meant for a citizen of dia?	(+1, -0.25)
	a.		
	b.	Your Personal Exams Guide	
	C.	10	
	d.	16	
82.		'ho among the following is the author of the book 'Waiting for the ahatma'?	(+1, -0.25)
	a.	Anita Desai	
	b.	Srilal Shukla	





c. Gopinath Bordoloi

	d. RK Narayan	
83.	3. Which of the following does NOT figure among the main object Self Help Groups in India?	ctives of the (+1, -0.25)
	a. To provide loans with collateral	
	b. To provide a platform to discuss and act on domestic viole	ence
	c. To collect savings of their members	
	d. To organise the rural poor into formation of groups	
84.	I. Which of the following ports is in Gujarat?	(+1, -0.25)
	a. Paradip	
	b. Kandla	
	c. Mormugao Your Personal Exams	
	d. Panambur	
85.	5. What does 'p' stand for in 'pH'?	(+1, -0.25)
	a. Precipitation	
	b. Percentage	
	c. Potency	
	d. Potenz	





86.	As of July 2020, which of the following is NOT a UNESCO World Heritage Site?	(+1, -0.25)
	a. Jantar Mantar, Delhi	
	b. Jantar Mantar, Rajasthan	
	c. Elephanta Caves, Maharashtra	
	d. Rani Ki Vav, Gujarat	
87.	'Produnova' is related to which of the following women's sports event?	(+1, -0.25)
	a. Cycling	
	b. Gymnastics	
	c. Diving	
	d. One-time swim	
88.	With reference to the early Indian history, who among the following was famous in the field of medicine?	(+1, -0.25)
	a. Banabhatta	
	b. Visakhadatta	
	c. Harisena	
	d. Charaka	
89.	Muhammad-bin-Tughlaq transferred his capital from Delhi to	(+1, -0.25)
	a. Chunar	





	b. Jaunpur	
	c. Murshidabad	
	d. Daulatabad	
90.	In the context of the banking sector in India, what does 'G' stand f or in 'RTGS'?	(+1, -0.25)
	a. Gradual	
	b. Grand	
	c. Gross	
	d. Gain	
91.	Which of the following is equivalent to coulomb per second?	(+1, -0.25)
	a . Faraday	
	b. Ohm	
	c. Volt Your Personal Exams Guide	
	d. Ampere	
92.	Who among the following was the 49 th recipient of the Dadasaheb Phalke Award?	(+1, -0.25)
	a. Gulzar	
	b. Vinod Khanna	
	c. Amitabh Bachchan	





	d. Manoj Kumar	
93.	When the process of formation of hydrogen by passing steam over red hot iron is presented in the form of a balanced chemical equation, then the number of water molecules on the left hand side of the equation is	(+1, -0.25)
	a. three	
	b. two	
	c. one	
	d. four	
94.	Which schedule of the Constitution of India deals with the allocation of seats in the Council of States? a. Fifth	(+1, -0.25)
	b. Fourth	
	c. Eighth our Personal Exams Guide d. Sixth	
95.	The Hemkund Sahib Gurudwara is located in the state of :	(+1, -0.25)
	a. Uttarakhand	
	b. Bihar	
	c. Himachal Pradesh	
	d. Punjab	





96.	The Economic Survey (of India) 2019-20 introduced the idea of " as a public good that gets enhanced with greater use."	(+1, -0.25)
	a. employment	
	b. trust	
	c. entrepreneurship	
	d. honesty	
97.	With which of the following sports disciplines is Dhanraj Pillay associated?	(+1, -0.25)
	a. Basketball	
	b. Shooting	
	c. Tennis	
	d. Hockey	
98.	The town of Paro is a famous tourism destination of	(+1, -0.25)
	a. Sri Lanka Ur Personal Exams Guide	
	b. Bangladesh	
	c. Bhutan	
	d. India	
99.	Which of the following is NOT a tributary of the river Ganga?	(+1, -0.25)
	a. Son	
	b. Ramganga	





- c. Kali
- d. Penganga
- **100.** Which of the following terms is associated with the 'Bharatnatyam' dance form?

(+1, -0.25)

- a. Mangalacharan
- **b.** Tillana
- c. Batu nritya
- **d.** Tharijham



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Answers

1. Answer: c

Explanation:

The correct answer is 'intervene'

<u>Key Points</u>

- Let's look at the meaning of the word and some examples of the marked option:
 - Intervene: to participate in something so as to prevent or alter a result or course of events.
- Let's see an example:
 - The United Nations decided to <u>intervene</u> in the Russia-Ukraine war for world peace.

* Additional Information

- The etymology of the word intervene is derived from the Latin word 'intervenire': inter(between) + venire(come)
- It can be used as both transitive and intransitive verbs.
- An example of a transitive verb(sentence with subject, object, and verb)
 - "The time is up!" announced the quizmaster as she<u>intervened</u>to declare the scores for the round.
- An example of the intransitive verb(sentence with subject and verb)
 - The police decided to <u>intervene</u> in the fight between residents of a commercial complex.

2. Answer: b

Explanation:

The correct answer is 'you will certain'





* Key Points

- The statement has 'certain' which is an adverb since it gives an affirmative tone to the sentence, it is also known adverb of affirmation.
- Adverbs usually end with the suffix -ly.

<u>Thus, the correct sentence is</u>: If you could wait for just half an hour you will **certainly** be able to meet her.

* Additional Information

- Adverbs usually end with the suffix -ly. But there are exceptions to this rule depending on whether the word is a flat adverb.
- Flat adverbs: similar in form to that of an adjective and may not necessarily have a suffix -ly in the end. Examples: fast, often, hard, very.
- Example in a sentence:
 - Raju worked hard for the upcoming Maths exam.
 - o Raju worked hardly for the upcoming Maths exam.

Confusion Points

- Adjectives also end with the suffix -ly. Example: friendly, lonely, elderly, chilly.
- Example in a sentence:
 - o Kriti felt her office colleagues were friendly and welcoming.

+ Hint

• Noticing whether the word in question is an **adverb** or **adjective**. if it is an adverb is it a **flat adverb** that might help answer the question

3. Answer: a

Explanation:

The answer is 'As soon as'







- In the given sentence, we are talking about two events happening one after another.
- The first part is in the present tense while the second part is in the future tense.
- Since we are talking about an event in the future . it will be suitable to use the conjunction 'as soon as'.

Hence the correct sentence is: <u>As soon as</u>! get the message, I shall pass it on to you.

* Additional Information

- No sooner is often used with past perfect or simple past but never with present and future tense.
- Example in a sentence:
 - <u>No sooner</u> had I stepped outside for lunch break than I received a call from my supervisor.

★ Alternate Method

- the usage of 'As soon as' in a sentence is followed by a noun or adjective immediately.
- The usage of 'No sooner' in a sentence is followed by a verb immediately.

Hint

 The choice of conjunction in a sentence can be decided by noticing the tense following and preceding the conjunction

4. Answer: a

Explanation:

The correct answer is 'deeply effected'

Key Points

• The verb in the sentence is the **affect** that the film has on Karan. so the **adverb** is **deep** since it **describes** the affect.





- Adverbs usually end with the suffix -ly. So the correct form of the adverb in the sentence should be 'deeply'.
- The given sentence talks about the **impact** of the film and affect means impact. So the correct form here should be **affected**.

Hence, the correct sentence is: Karan was so<u>deeply affected</u> by the film that he didn't speak a word.

* Additional Information

- Affect is a verb and effect is a noun usually. Affect stands for action .
- For example:
 - Lack of sleep<u>affected</u>her performance on the IQ test.
- Effect is the noun. It can be understood as the **result** or **consequence** of a change or action.
- For example:
 - The cheat meals had an<u>effect</u>on the weight loss program.

Alternate Method

- An adverb modifies the verb in the sentence
- Example: She ate her dinnerquickly.
- An adjective modifies the noun in the sentence
 - Example: Anam wore a beautiful gown at the wedding.

5. Answer: b

Explanation:

The correct answer is 'To be active and healthy'

Key Points

- The idiom 'Alive and Kicking' means to be physically active and to be healthy.
- An example in a sentence:
 - When a friend asked Richie about his father's health. He responded by saying that "He was alive and kicking".





* Additional Information

- It sometimes has a negative connotation attached to it.
 - Example: John informed his colleagues that he was<u>alive and kicking</u>post his cardiac operation.

6. Answer: c

Explanation:

The erroneous spelling is 'Addres'

<u>Key Points</u>

- Let's look at the correct spelling and meanings of the word.
- Address (noun) :the particulars of the place or organization where someone resides or an organization is based.
 - Example: The driver's license was sent to my residential address.
- Address (verb): to speak or write to someone.
 - Example:: The Prime Minister will address the nation at 8 pm today.

★ Hint

• Notice whether the word has been used as a verb or noun in the given context.

7. Answer: a

Explanation:

The correct answer is 'wandered off'.

<u>Key Points</u>

- Let's look at the idiom wandered off and its meaning:
- Wandered off: to stray or roam from someone or something.





- The idiom 'wandered off' is a phrasal verb. Phrasal verbs consist of verbs and adverbs.
- off is an adverb signifying separation/getting away from somewhere.

Hence, the correct sentence is: Ritu was shocked on learning that her kids hadwandered offsomewhere after school.

★ Confusion Points

- The word 'off' can be a preposition, adverb, and adjective depending on how it is used.
- Example:
 - He took his foot<u>off</u>the accelerator as soon as he saw the speed breaker. (
 preposition)
 - The food smelled a bit <u>off</u>.(adjective)
 - He went<u>off</u>the pitch in frustration after the loss. (adverb)

8. Answer: a

Explanation:

The correct answer is 'the'

🜟 <u>Key Points</u>

- In the given, article 'the' is used before a collective noun.
- The collective noun here is a **group** of **women novelists**.

Hence, the correct sentence is: *The BBC has a wonderful series on the emergence of women novelists in English literature*.

9. Answer: b

Explanation:





The erroneous spelling is 'Tolerence'

* Key Points

- The correct spelling of a word is tolerance
- Meaning of **tolerance**: the ability or willingness to accept opposing opinions, habits, or beliefs
 - Example: FIFA decided that there would be no tolerance for racism in football.

10. Answer: b

Explanation:

The correct answer is 'Transient'

* Key Points

- Let's look at the meaning of the word and its usage:
- **Transient**: lasting for only a short period of time or temporary.
 - Example: The cold shower had atransient soothing effect on me.

11. Answer: d

Explanation:

The correct answer is 'polished it off'

Key Points

- To polish it off means to finish off or consume something quickly
- It's a **phrasal verb** (verb and adverb). In the given sentence, it describes the **manner** in which Vidushi ate the cake.

Hence, the correct answer is: Vidushi liked the cake so much that she polished it off.





12. Answer: a

Explanation:

The correct answer is 'Vital'

<u>Key Points</u>

- The word **crucial** means **decisive** or **critical** especially in the success or failure of something.
- The word vital meaning absolutely necessary or essential is closest to that meaning.
 - Example: it's absolutely <u>vital</u> to keep a steady oxygen flow for the ICU patient.
- Hence, Vital is the synonym for crucial

13. Answer: c

Explanation:

The correct answer is 'Obscure'

Key Points

- Renowned means famous or well known
- Obscure means not discovered or known about. it's exactly the opposite of renowned.
 - o Example: Rakesh was an obscure writer until a big publisher read his novel.

* Additional Information

- Vain:having or showing an excessively high opinion of one's appearance, abilities, or worth.
- Noted:notice or pay particular attention to (something).
- Glorious:having, worthy of, or bringing fame or admiration.





14. Answer: a

Explanation:

The correct answer is 'advisable'

Key Points

- Since advisable is an adjective, it is followed by the to-infinitive as given in the sentence.
- · Let's see the meanings of the given words-
 - Advisable- (of a course of action) to be recommended; sensible.
 - Improper- not in accordance with accepted standards, especially of morality or honesty.
 - o Advising- offer suggestions about the best course of action to someone.
 - o Imprudent- not showing care for the consequences of an action; rash.

Hence, the correct sentence is: During the monsoons it is __advisable_to boost one's immunity with a proper diet and regular exercise.

15. Answer: a pur Personal Exams Guide

Explanation:

The correct answer is 'locating'

Key Points

- The first clause of the sentence is in the present tense so locating is the present continuous form which gives coherent meaning.
- Let's see the meanings of the given words-
 - Locating- discover the exact place or position of. or situate in a particular place.
 - Unlocking- undo the lock of (something), typically with a key.





- Starting- begin or be reckoned from a particular point in time or space.
- o Establishing- set up on a firm or permanent basis.

Hence, the correct sentence is: The Blood Finder app is very useful in **locating** the correct donor.

16. Answer: b

Explanation:

The correct answer is 'A weakness that can be taken advantage of'

Key Points

- Chinks in the armour means vulnerability or a weakness that can be taken advantage of
 - o Example: The presidential candidate had a chink in his armour.

Hence, the correct answer is Option 2.

17. Answer: a

Explanation:

The correct answer is 'to going out'

<u>Key Points</u>

- The sentence has the adjective thrilled which should be followed by an infinitive over a gerund.
- So the infinitive 'to go' will come after the adjective.

Hence, the correct sentence is: I was thrilled to go out with my friend for the film.

🜟 Additional Information





- if there was a verb in place of the adjective in the sentence. We could have used a gerund which could be identified by adding suffix-ing.
 - Example: I enjoy <u>painting</u> the walls of my house.

18. Answer: b

Explanation:

The correct answer is 'Delight'

<u>Key Points</u>

- Let's see the meanings of the given words
- Irritate: means to annoy someone or make a person angry
- Delight: means to please someone greatly. This is exactly the opposite of the meaning of the word irritate.
 - o Example: it was a **delight** to hear the lecture by Prof. Roy.

Hence, the correct answer is Option 2.

19. Answer: Cour Personal Exams Guide

Explanation:

The correct answer is 'investigate'

Key Points

- Let's see the meanings of the given words-
- Mediate- intervene in a dispute in order to bring about an agreement or reconciliation.
- Answer- a thing that is said, written, or done as a reaction to a question, statement, or situation.
- Delay- make (someone or something) late or slow.
- Interrogate: means to ask questions of (someone) closely or formally





- **Investigate**: means to conduct a formal **inquiry** to ascertain the facts of the matter, it is closest to the word interrogate.
 - The police <u>investigation</u> revealed that the crime scene was wiped clean after the incident.

Hence, the correct answer is Option 3.

20. Answer: d

Explanation:

The erroneous part is 'is then no longest'

<u>Key Points</u>

- The phrase 'no longest' is an irregular verb usage.
- The correct form of the phrase is 'no longer' implying the action is not continuing in the present.
- The phrase 'then' refers to a particular moment in time. The use of 'then' in this case is needless as the statement is in the present tense.

Hence, the correct sentence is: According to current research by World Health Organisation, a 65-year-old person is **no longer** categorised as old.

21. Answer: a

Explanation:

The correct answer is 'when'

Key Points

- The word 'when' is used as a **conjunction** in a statement. it is also used to denote 'at that time'.
- when is usually used with the simple past tense and present tense.





 In the given sentence, when is used as a conjunction to mark two simultaneous events happening in the past

So the complete passage is:- The pandemic in India occurred at a time (1) when the crop was standing all ready to be (2) harvested. If NAFED had not intervened with the initiative (3) to purchase the stocks of farmers in these circumstances, it (4) would not only have been devastating for the farmers (5) but also led to a food emergency later on.

* Additional Information

- When can be used as subordinate conjunction to join independent and dependent clause.
 - o Example: It was raining outside when he entered the store.

22. Answer: b

Explanation:

The correct answer is 'harvested'

<u>Key Points</u>

- The first part of the sentence is in the past tense and the verb-ed modifier continues the past tense
- the correct verb form associated with crops is harvested

Hence, the correct sentence is : the crop was standing all ready to be harvested.

So the complete passage is:- The pandemic in India occurred at a time (1) when the crop was standing all ready to be (2) harvested. If NAFED had not intervened with the initiative (3) to purchase the stocks of farmers in these circumstances, it (4) would not only have been devastating for the farmers (5) but also led to a food emergency later on.





23. Answer: c

Explanation:

The correct answer is 'to purchase'

Key Points

- To is a prepositional verb. it indicates a goal or direction.
- in the given sentence, to is followed by the verb 'purchase'

So the complete passage is:- The pandemic in India occurred at a time (1) when the crop was standing all ready to be (2) harvested. If NAFED had not intervened with the initiative (3) to purchase the stocks of farmers in these circumstances, it (4) would not only have been devastating for the farmers (5) but also led to a food emergency later on.

24. Answer: c

Explanation:

The correct answer is 'would'

<u>Key Points</u>

- Would is the **past tense** form of will. it is used to denote an **action in the past** and also **conditional statements**.
- The presence of have been in the sentence denotes action started in the past.

So the complete passage is:- The pandemic in India occurred at a time (1) when the crop was standing all ready to be (2) harvested. If NAFED had not intervened with the initiative (3) to purchase the stocks of farmers in these circumstances, it (4) would not only have been devastating for the farmers (5) but also led to a food emergency later on.





25. Answer: a

Explanation:

The correct answer is 'but'



- But is used as a conjunction in the given sentence to link two ideas
- The use of conjunction needs to be in agreement with the two clauses.

So the complete passage is:- The pandemic in India occurred at a time (1) when the crop was standing all ready to be (2) harvested. If NAFED had not intervened with the initiative (3) to purchase the stocks of farmers in these circumstances, it (4) would not only have been devastating for the farmers (5) but also led to a food emergency later on.

26. Answer: c

Explanation:

The table is alphabets place value:

Alphabets	Α	В	С	D	Е	F	G	Н	I	J	K	L	М
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	Υ	Х	W	٧	U	Т	S	R	Q	Р	0	N

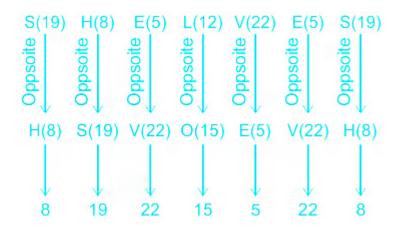
The pattern followed here is:

Sum of the opposite alphabets place value + 1 = number.

SHELVES is coded as 100



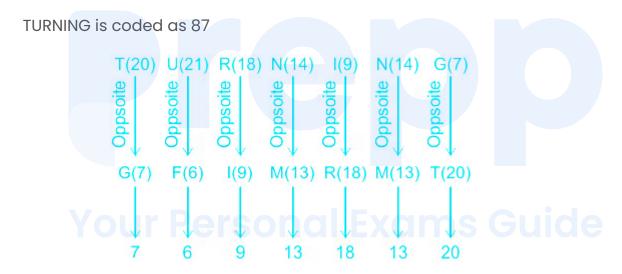




Sum of the opposite alphabets place value + 1 = number.

$$=>$$
 $(8 + 19 + 22 + 15 + 5 + 22 + 8) + 1 = 99 + 1 = 100$

And,



Sum of the opposite alphabets place value + 1 = number.

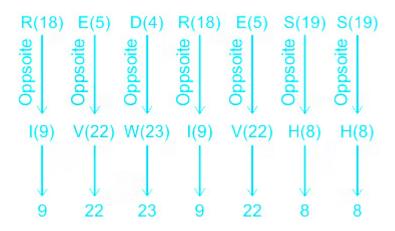
$$=>$$
 $(7 + 6 + 9 + 13 + 18 + 13 + 20) + 1 = 86 + 1 = 87$

Similarly,

REDRESS = ?







Sum of the opposite alphabets place value + 1 = number.

$$=>$$
 $(9 + 22 + 23 + 9 + 22 + 8 + 8) + 1 = 101 + 1 = 102$

Hence, 'REDRESS' is coded as "102".

27. Answer: d

Explanation:

The logic followed here is:

'Frogs' is related to 'Croak' \rightarrow A **croak** is the low, hoarse **sound** a **frog** makes.

Similarly,

Scream → A scream is the high-pitched sound a peacock makes.

Hence, 'Scream' is the correct answer.

Important Points

Now check all the options:

- 1. Growl → A growl is the high-pitched sound bear, lion, tiger, or wolf makes.
- 2. Grunt \rightarrow A grunt is the sound a pig makes.
- 3. Hiss \rightarrow A hiss is the sound a snake makes.





28. Answer: b

Explanation:

The embedded part of this image is:

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

Hence, option (2) is the correct answer.

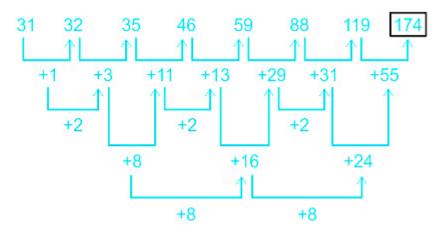
29. Answer: a

Explanation:





The pattern follows here is:



Hence, correct answer is "174"

30. Answer: c

Explanation:

The image obtained when the paper is unfolded is,



Hence, option 3 is the correct answer.

31. Answer: a

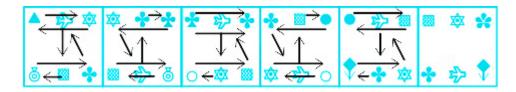
Explanation:

The figure that will replace the question mark (?) in the following figure series is shown below:

The aeroplane's small figure moves up and down respectively. Two cases generate

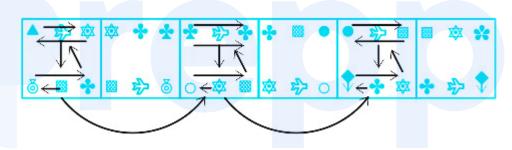






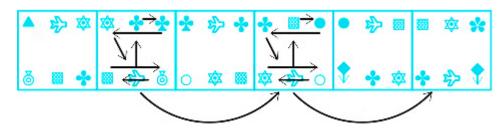
Case I:- when an aeroplane small figure goes downward.

- 1) Upper left side triangle figure shifted to the upper right side and this figure shape changed.
- 2) Upper right side figure shifted to the upper left side.
- 3) Lower left side figure shifted to the lower right side.
- 4) Lower middle figure shifted to the lower left side.
- 5) Lower right side figure shifted to the upper middle.



Case II:- when an aeroplane small figure goes upward.

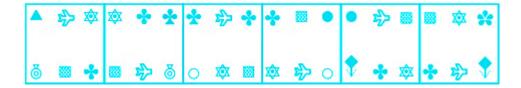
- 1) Upper left side figure shifted to the lower middle.
- 2) Upper middle figure shifted to the upper right side.
- 3) Upper right side figure shifted to the upper left side.
- 4) Lower left side figure shifted to the lower right side.
- 5) Lower right side figure shifted to the lower left side and this figure shape changed.







Final series is



Hence, 'option 1' is the correct answer.

32. Answer: c

Explanation:

The table is alphabets place value:

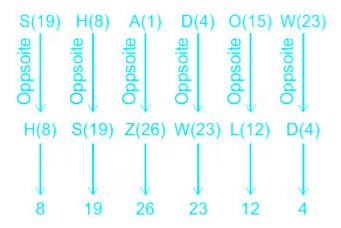
Alphabets	Α	В	C	D	E	F	G	Н	1	J	K	L	М
Positional value	1	2	3	4	5	6	7	8	9	10	11	12	13
Positional value	26	25	24	23	22	21	20	19	18	17	16	15	14
Alphabets	Z	Υ	X	W	٧	U	T	S	R	Q	Р	0	N

The pattern followed here is:

Sum of the opposite alphabets places value × number of vowels = number.

SHADOW is coded as 184

• SHADOW → Total number of vowels (A, O) is 2.





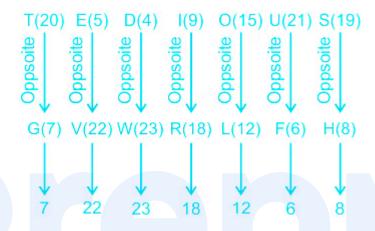


- Sum of the opposite alphabets place value × number of vowels = number.
- \bullet => $(8 + 19 + 26 + 23 + 12 + 4) \times 2 = 92 \times 2 = 184$

And,

TEDIOUS is coded as 384

• **TEDIOUS** → Total number of vowels (E, I, O, U) is 4.

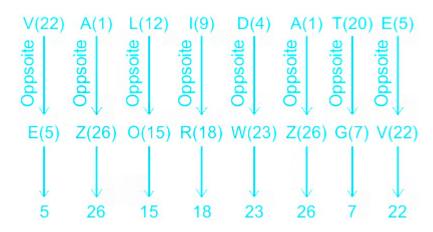


- Sum of the opposite alphabets place value × number of vowels = number.
- \bullet => (7 + 22 + 23 + 18 + 12 + 6 + 8) × 4 = 96 × 4 = 384

Similarly,

VALIDATE = ?

VALIDATE → Total number of vowels (A, I, A, E) is 4.



- Sum of the opposite alphabets place value × number of vowels = number.
- => $(5 + 26 + 15 + 18 + 23 + 26 + 7 + 22) \times 4 = 142 \times 4 = 568$





Hence, 'VALIDATE' is coded as "568".

33. Answer: b

Explanation:

Alphabets	Α	В	С	D	Ε	F	G	Н	T	J	K	L	М
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	Υ	Χ	W	٧	U	Т	S	R	Q	Р	0	N

The logic here is,

GEOGRAPHY: OEGARGYHP



Similarly,

REASONING:?

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Hence, "AERN OSGNI" is the correct answer.

34. Answer: c





Explanation:

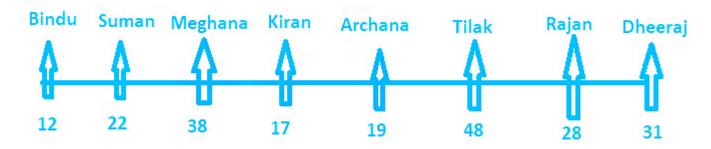
Given,

Eight members of a family – Archana, Suman, Dheeraj, Meghana, Bindu, Tilak, Rajan and Kiran are sitting in a straight line facing North.

They have different ages – 12,17, 19, 22, 28, 31, 38 and 48

- 1) Archana is sitting third to the right of the one who is 22 years old.
- 2) Archana is sitting in the middle of Kiran and Tilak. Archana is 12 years younger than Dheeraj.
- 3) Rajan and Dheeraj are sitting together and one of them is sitting at the extreme end of the line.
- 4) Kiran is not 12 years old.
- 5) One person is sitting between Kiran and one whose age is 48 years.
- 6) The difference between the ages of Bindu and Kiran is 5 years.
- 7) Meghana and the one who is 22 years old are sitting together.
- 8) The one who is 10 years older than Meghana is sitting third to the right of Meghana.

Final arrangement:



From the arrangement;

Tilak is sitting third to the right of Meghana.





Hence, the correct answer is "Tilak".

35. Answer: a

Explanation:

The pattern followed here is,

Let (1st number : 2nd number)

 $(1^{st} \text{ number})^2 + (1^{st} \text{ number} \div 2) = 2^{nd} \text{ number}$

Now follow the steps:

24:588

$$\Rightarrow$$
 24 ² + (24 ÷ 2) = 576 + 12 = 588 = 2 nd number

Similarly,

26:?

$$=> 26^{2} + (26 \div 2) = 676 + 13 = 689 = 2^{nd}$$
 number

Hence, "689" is correct answer.

36. Answer: c

Explanation:

The logic followed here is:

Audacious : Courageous \rightarrow Audacious is the synonym of Courageous.

Similarly,

Deflate: Collapse → Deflate is the synonym of Collapse.





Hence, 'Collapse' is the correct answer.

37. Answer: d

Explanation:

Statements:

Some candles are bulbs

Some bulbs are generators

The least possible diagram for the given statements is as follows



Conclusions:

I. Some candles are generators → False (No direct relation given between candles and generators so it may be possible but not defined)

II. All candles are generators → False (No direct relation given between candles and generators so it may be possible but not defined)

Hence, "Neither conclusion I nor II follows" is the correct answer.

38. Answer: c

Explanation:

Given: The notification for six different posts - Clerk, PRO, Lecturer, Accountant, Watchman and Principal- are to be released on consecutive Fridays.





- (i) Accountant post must be released on the fifth Friday and should not be immediately preceded by the PRO post.
- (ii) The Watchman post must not be released last.
- (iii) Lecturer posts must not be released immediately after the first release.

Fridays	Post	Not should be released
1		
2		Lecturer
3		
4		
5	Accountant	
6		Watchman, PRO

- (iv) Clerk post must be released a week before the Watchman post.
- (v) PRO post must be released on the Friday following the Friday on which the Principal post is released.

Clerk and watchman are on pair and PRO and Principal are also on pair only starting four weeks for this post notification.

So, Lecturer is in the last position.

Two cases are generated:





Fridays	Case I	Case II
1	Principal	Clerk
2	PRO	Watchman
3	Clerk	Principal
4	Watchman	PRO
5	Accountant	Accountant
6	Lecturer	Lecturer

In case I Clerk notifications will be released immediately after the PRO post and,

In case II Accountant notifications will be released immediately after the PRO post.

But Accountant is not given in Options.

Hence, "Clerk" is the correct answer.

39. Answer: c

Explanation:

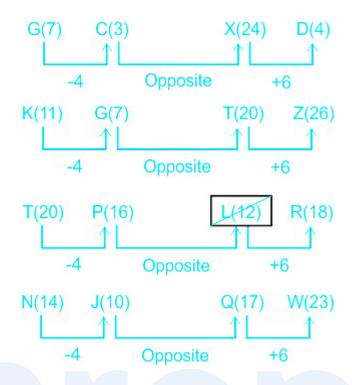
Table show alphabet serial number -

Alphabets	Α	В	С	D	Е	F	G	Н	I	J	K	L	М
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	Υ	Х	W	V	U	Т	S	R	Q	Р	0	Ν

The pattern followed is,







All follow the same pattern, except 'TPLR'.

Hence, "TPLR" is the odd one.

40. Answer: a

Explanation:

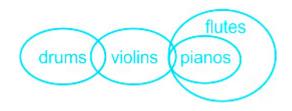
Statements:

Some drums are violins

Some violins are pianos

All the pianos are flutes.

The least possible diagram for the given statements is as follows







Conclusions:

- I. Some flutes are violins → True (because some violins are pianos and all pianos are flutes so some flutes are also violins)
- II. Some pianos are drums -> False (there is no relationship given between drums and pianos so it may be possible but not defined)
- III. No piano is drum → False (there is no relationship given between drums and pianos so it may be possible but not defined)
- IV. Some violins are drums → True (because some violins are pianos so some pianos are also violins)

Here Conclusion II and III are complementary pairs.

Hence, "Both conclusions I and IV and either II or III follows".

41. Answer: d

Explanation:

BODMAS rule:

В	Brackets in order (), (), []	ब्रैकेट (), (), [] क्रम में
0	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
Α	Addition (+)	जोड़ (+)
s	Subtraction (-)	घटाव (-)

Decoding the information,





Symbol	Meaning
×	Addition (+)
÷	Subtraction (-)
+	Multiplication (×)
_	Division (÷)

Given:

$$75 \times 345 + 15 - 23 \div (15 + 18)$$

After replacing the signs from left to right and using the BODMAS rule,

75 + 345 × 15 ÷ 23 -
$$(15 \times 18)$$

= 30

Hence, "30" is the correct answer.

42. Answer: a



Explanation:

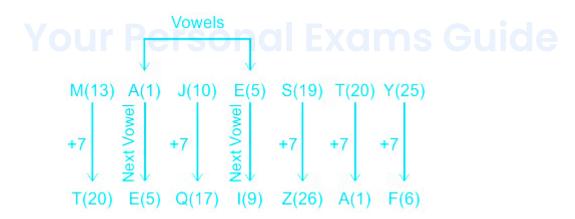
The table is alphabets place value:

Alphabets	Α	В	С	D	Е	F	G	Н	f	J	K	L	М
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	Υ	Χ	W	٧	U	Т	S	R	Q	Р	0	Ν

The pattern followed here is:

- Consonants are increased by +7.
- Vowels are coded as their next vowel.
- $A \rightarrow E \rightarrow I \rightarrow O \rightarrow U$.
- A is coded as E
- E is coded as I
- I is coded as O
- O is coded as U
- U is coded as A

MAJESTY is written as TEQIZAF

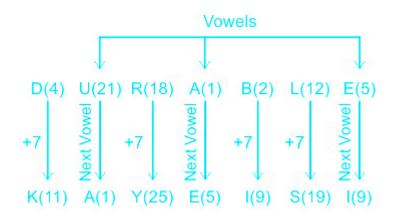


Similarly,

'DURABLE' = ?







Hence, 'DURABLE' is coded as "KAYEISI".

43. Answer: c



All are alternate prime numbers

The prime number is 29,<u>31</u>, 37,<u>41</u>, 43,<u>47</u>, 53,<u>59</u>, 61,<u>67</u>, 71,<u>73</u>, 79.

Here skipped prime numbers are 31, 41, 47, 59, 67, 73

Hence, "1408" is the correct answer.

44. Answer: c

Explanation:





The Logic followed here is:

 $(1 \text{ st Number} \div 5) + 2 \text{ nd number} = 3 \text{ rd Number}$

In (105, 6, 27):

$$=(105 \div 5) + 6$$

$$= 21 + 6$$

Similarly,

In Option (3): (145, 8, 37):

 $(1 st Number \div 5) + 2 nd number$

$$=(145 \div 5) + 8$$

$$= 29 + 8$$

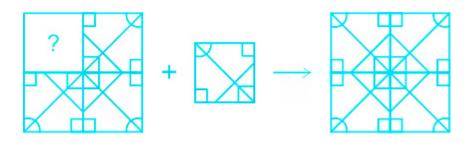
Hence, the correct answer is "(145, 8, 37)".

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45. Answer: a

Explanation:

The figure that will replace the question mark (?) in the following figure series is shown below:





Hence, 'option 1' is the correct answer.

46. Answer: d

Explanation:

The correct mirror image of the given figure when the mirror is held at the right side is:



Detailed Explanation:

- The line PQ is the mirror
- The given word "&VECTORANaLYSIS2" ends with '2'. So the mirror image will start with "

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- " → Options 1 and 3 are eliminated.
- The given word " &VEcTORANaLYsIS2" second last ends with 'S' . So the mirror image will start with "

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" → Options 2 is eliminated.

Hence, "option (4)" is the correct answer

47. Answer: b

Explanation:

The table is alphabets place value:

Alphabets	Α	В	С	D	Е	F	G	Н	f	J	K	L	М
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	Υ	Х	W	٧	U	Т	S	R	Q	Р	0	N

The pattern followed here is:

MEALTIME is written as TMMLIEEA

M(13) E(5) A(1) L(12) T(20) I(9) M(13) E(5)

Your Person Alphabets are arranged in Guide

T(20) M(13) M(13) L(12) I(9) E(5) E(5) A(1)

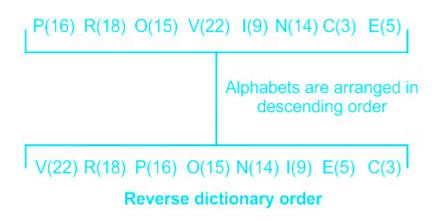
Reverse dictionary order

Similarly,

PROVINCE is written as







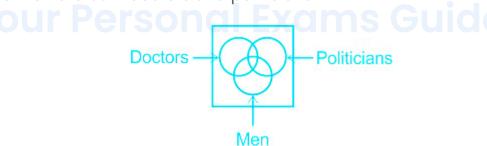
Hence, 'PROVINCE' is coded as "VRPONIEC".

48. Answer: b

Explanation:

The Venn diagrams best represent the relationship between - Teachers, Graduates, Tennis players figures are shown below:

- Some doctors are politicians.
- Some doctors are men.
- Some politicians are men.
- Some men are both doctors and politicians.



Hence, 'option 2' is the correct answer.

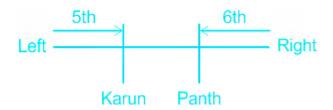
49. Answer: c

Explanation:

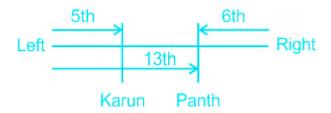




1) Karun is 5th from the left and Panth is 6th from the right.



2) When they exchange their position, Karun becomes 13th from the left.



- => The number of boys in the row = Karun position from the left + Karun position from the right 1
- => The number of boys in the row = 13 + 6 1 = 19 1 = 18

Position of Panth from the right:

- => The number of boys in the row = Panth position from the left + Panth position from the right 1
- => Panth position from the right = The number of boys in the row Panth position from the left + 1
- => Panth position from the right = 18 5 + 1 = 19 5 = 14

Hence, total "14" students in the row.

50. Answer: d

Explanation:

According to the BODMAS rule:





В	Brackets in order (), {}, []	ब्रैकेट (), (), [] क्रम में
0	of	का
D	Division (÷)	विभाजन (÷)
М	Multiplication (×)	गुणा (×)
А	Addition (+)	जोड़ (+)
S	Subtraction (-)	घटाव (-)

Option 1: - and +

Given:

$$110 + 728 \div 28 - 15 \times 413 = 87$$

After interchange the signs;

By BODMAS rule

Option 2: ÷ and -

Given:

$$110 + 728 \div 28 - 15 \times 413 = 87$$

After interchange the signs;

By BODMAS rule



110 + 728 – 770.94 = 87

838 - 770.94= 87

67.60 = 87 (LHS ≠ RHS)

Option 3: ÷ and +

Given:

 $110 + 728 \div 28 - 15 \times 413 = 87$

After interchange the signs;

110 ÷ 728+ 28 − 15 × 413 = 87

By BODMAS rule

28.151 - 6195= 87

-6166.849 = 87 (LHS \neq RHS)

Option 4: × and - Personal Exams Guide

Given:

 $110 + 728 \div 28 - 15 \times 413 = 87$

After interchange the signs;

 $110 + 728 \div 28 \times 15 - 413 = 87$

By BODMAS rule

110 +*26* × *15*- 413 = 87

110 + 390- 413 = 87

500 – 413= 87



$$87 = 87(LHS = RHS)$$

Hence, the answer is " \times and -".

51. Answer: a

Explanation:

Calculation:

Total number of students enrolled in A during 2017 and 2018 = 250 + 260

⇒ 510

Total number of students enrolled in B during 2014 and 2015 = 225 + 360

⇒ 585

Ratio = 510:585

⇒ 34 : 39

: Required answer is 34:39

52. Answer: b

Explanation:

Given:

x is subtracted from each of 52, 47, 20 and 19 the numbers so obtained in this order are in proportion

Formula Used:

when four numbers a, b, c & d are in proportion





then a/b = c/d or ad = bc

Mean Proportion of a and b = \sqrt{ab}

Calculation:

According to question,

$$(52-x)/(47-x) = (20-x)/(19-x)$$

$$\Rightarrow$$
 988 - 52x - 19x + x²= 940 - 47x - 20x + x²

$$\Rightarrow$$
 4x = 48

$$\Rightarrow$$
 x = 12

Now,

$$(x + 13)$$
 and $(x - 8) = 25$ and 4

So, mean proportion = $\sqrt{(25 \times 4)} = 10$

∴ Required answer is 10

53. Answer: c

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Explanation:

Given:

M.P = Rs. 400 and discount = 20%

Concept used:

Gain% =
$$[(S.P. - C.P)/C.P] \times 100$$

$$S.P = [(100 - D\%)/M.P] \times 100$$

$$Profit = S.P - C.P$$



Where C.P = Cost Price, S.P = Selling Price, M.P = Marked Price, D% = Discount %

Calculation:

According to the question,

$$S.P = [(100 - D\%)/M.P] \times 100$$

$$S.P = M.P. \times 80/100$$

$$\Rightarrow$$
 400 × 80/100

⇒ Rs. 320

$$C.P. = S.P. - Profit$$

$$\Rightarrow$$
 320 - 48

⇒ Rs. 272

Gain percentage = $(48/272) \times 100 = 17 \frac{11}{17} \%$

 \therefore Required gain percentage is 17 $\frac{11}{17}$ %

54. Answer: d

Explanation:

Given:

A' is 3 times as good a workman as 'B' and therefore is able to complete a job in 36 days less than 'B'

Concept used:

Total work = LCM of time taken by the workers

Efficiency of work is inversely proportional to the time

Calculation:



Ratio of efficiency of A and B = 3:1

So,

Ratio of time taken by A and B = 1:3

Let time taken by A and B be x days and 3x days

According to the question,

$$3x - x = 36 \text{ days}$$

$$\Rightarrow$$
 2x = 36

$$\Rightarrow$$
 x = 18

So,

A = 18 days

B = 54 days

Now,

Total work = 54 units

So, time taken by them = $54/4 = 13 \frac{1}{2}$ days

 \therefore Required time is 13 $\frac{1}{2}$ days

55. Answer: d

Explanation:

Given:

The median of the set of 11 distinct observations is 17.5.

Concept used:





Median of set of n observation = [(n + 1)/2] th observation

Calculation:

[(n + 1)/2] th observation observation = 6th observation

: The 6th observation is not changed.

: The median of the new set remains the same.

56. Answer: d

Explanation:

Given:

Difference between the shares of B and D is Rs. 1,600

A : B = 3 : 1

B:C=5:2

C:D=2:1

Calculation: Ur Personal Exams Guide

Ratio of shares of A, B, C, and D is calculated as below,

Now,

(5-1) units = 4





Here 4 units = 1600

: The sum is Rs. 9200

57. Answer: c

Explanation:

Formula used:

Base ² + Perpendicular ²= Hypotenuse ²

Calculation:

Let the Length, breadth, and diagonal of the rectangular field be I, b, and d

Letting that I > b

In the right-angle triangle ABC.

By using Pythagoras Theorem we have:

$$1^2 + b^2 = d^2 \dots (1)$$

$$1 + b - d = 1/4 \times 1$$

$$\Rightarrow 1 + b - 1/4 = d$$

$$\Rightarrow 31/4 + b = d(2)$$

Putting the value of d in equation (1), we get:

$$1^2 + b^2 = (31/4 + b)^2$$

$$\Rightarrow$$
 | 2 + b 2 = 9| 2 /16 + b 2 + 2 × 3|/4 × b



$$\Rightarrow$$
 1 ²- 91 ²/16 = 31b/2

$$\Rightarrow$$
 71/8 = 3b

$$\Rightarrow I/b = 3 \times 8/7$$

$$\Rightarrow I/b = 24/7$$

 \therefore The ratio of the larger to the smaller side is 24:7

58. Answer: c

Explanation:

Given:

Total number of students = 80

Part of the students who are girls = 60%

The average weight of boys = 5% more than the average weight of girls

The average weight of all the students = 51 kg

Formula used: Personal Exams Guide

Average weight = Sum of the weight/ No of students

Calculation:

Number of girls = $80 \times 60/100 = 48$

Number of boys = $80 \times 40/100 = 32$

Let the average weight of the girls be b

Average weight of the boys = $b \times 105/100 = 21b/20$

Now,



$$51 \text{ kg} = (48 \times b + 21b/20 \times 32)/80$$

$$\Rightarrow$$
 51 × 80 = (240b + 168b)/5

$$\Rightarrow$$
 b = 20400/408

$$\Rightarrow$$
 b = 50 kg

Average of girls = 50 kg

So, average of boys = $50 \times 105/100 = 52.5$

∴ The average weight of the girls is approximately 52.5 kg

59. Answer: c

Explanation:

Given:

4 men can reap a field in 5 days working 9 hours a day

Formula used:

$$(M_1 \times D_1 \times H_1)/W_1 = (M_2 \times D_2 \times H_2)/W_2$$

Calculation:

$$(4 \times 5 \times 9)/1 = (10 \times D_2 \times 6)/1$$

$$\Rightarrow D 2 = (4 \times 5 \times 9)/(10 \times 6)$$

$$\Rightarrow$$
 D 2 = 3

 \therefore The required number of days are 3.

60. Answer: d



Explanation:

Given:

Distance between place A and B = 90 km

Speed of Sita = Speed of Geeta - 3 km/h

Formula used:

Ratio of distance = Ratio of speed (When the time is equal)

Calculation:

Distance travelled by Sita = 75 km

Distance travelled by Geeta = 90 + 15 = 105 km

Ratio of Distance in a certain time travelled by Sita and Geeta is equal to the ratio of the speed = 75:105

⇒ 5:7

 \Rightarrow 7 - 5 = 2 units = 3 km/h

 \Rightarrow 1 unit = 1.5 km/h

 \Rightarrow 5 = 5 × 1.5 = 7.5 km/h

: The speed of Sita is 7.5 km/h.

61. Answer: a

Explanation:

Calculation:

Total number of students enrolled in A during 2014, 2016 and 2018 = 160 + 300 + 260



⇒ 720

Total number of students enrolled in B during five years = 225 + 360 + 375 + 325 + 225

⇒ 1510

Average = 1510/5 = 302

Required $\% = 720/302 \times 100$

- **⇒** 238.410% ≈ 238.4%
- ∴ Required answer is 238.4%

62. Answer: b

Explanation:

Calculation:

LCM of 6, 12 and 16 = 48

Multiples of 48 which lie between 300 and 500 are 336, 384, 432 and 480

Sum of all the numbers = 336 + 384 + 432 + 480 = 1632

∴ Required sum is 1632

63. Answer: d

Explanation:

Given:

Ratio of Rs.63800 to be shared between A and B = 4:7





Calculation:

Let share of A and B be 4x and 7x

According to the question,

11x = 63800

 \Rightarrow x = 5800

Now, difference between them = 7x - 4x = 3x

So, $3x = 3 \times 5800$

⇒ 17400

∴ The difference between their share (in ₹) is 17400

* Shortcut Trick

The difference between the ratio of A and B is (7 - 4) = 3. Hence, our answer should be divisible by 3, Only 17400 among the options is divisible by 3. Hence, the difference between the share is Rs. 17400.

64. Answer: cour Personal Exams Guide

Explanation:

Given:

Length of rectangle = 3/5 of radius of circle

Radius of circle = Side of square with area 6400 m 2

Breadth of rectangle = 20 m

Formulas used:

Area of square = (Side) 2





Area of rectangle = Length × Breadth

Calculation:

Area of square = 6400 m^2

$$\Rightarrow$$
 Side ²= 6400

$$\Rightarrow$$
 Side = $\sqrt{6400}$ = 80 m

Radius of cirlce = 80 m

 \Rightarrow Length of rectangle = $3/5 \times 80 = 48 \text{ m}$

Area of the rectangle = $48 \times 20 \text{ m}^2$

- \Rightarrow 960 m 2
- : The area (in m 2) of the rectangle is 960

65. Answer: d

Explanation:

Given: Your Personal Exams Guide

Reduction in the price of wheat is 20%

Quantity of wheat (more) purchased 5 kg for Rs. 800

Concept Used:

It is based on the inverse proportion or product constancy concept.

Calculation:

Let the original price per be Rs. 100x per kg

So, the reduced price will be $100x \times 80\% = Rs. 80x$ per kg





(800/80x) - (800/100x) = 5

$$\Rightarrow$$
 10/x - 8/x = 5

$$\Rightarrow 2/x = 5$$

$$\Rightarrow$$
 x = 2/5

So, original price = $100 \times 2/5 = Rs. 40 \text{ per/kg}$

∴ The original price (in ₹) of wheat per kg is 40

* Alternate Method

20% reduction = 5 kg more

If 100% reduction = 25 kg total new quantity

Original Quantity = 25 - 5 = 20 kg

So, original price = 800/20

⇒ 40 per/kg.

∴ The original price (in ₹) of wheat per kg is 40

66. Answer: a

Explanation:

Given:

Area of the rectangular room = 60 m^2

Formula used:

Area of rectangle = a × b, Where a and b are length and breadth of the rectangle respectively.

Perimeter of rectangle = 2(a + b)



Area of the square = side 2

Calculation:

$$ab = 60$$

$$2(a + b) = 34$$

$$\Rightarrow$$
 a + b = 17

Squaring on both sides,

$$a^2 + b^2 + 2ab = 289$$

$$\Rightarrow$$
 a 2 + b² + 2 × 60 = 289

$$\Rightarrow$$
 a 2 + b² = 169

$$\Rightarrow \sqrt{a}$$
 2 + b 2 = Diagonal of the rectangle = Side of the square = $\sqrt{169}$

Area of the square = $13 \times 13 = 169$ cm²

67. Answer: bour Personal Exams Guide

Explanation:

Given:

Principal = Rs. 75000

Rate of interest are 5% and 7%

Time = 3 years

Formula used:

Simple Interest = PTR/100





Calculation:

Simple interest payable = $75000 \times 5/100 \times 3$

⇒ Rs. 11250

Simple interest Receivable = $75000 \times 7/100 \times 3$

⇒ Rs. 15750

Gain = 15750 - 11250 = 4500

:: His gain (in ₹) 4500

* Shortcut Trick

Gain = $75000 \times (7 - 5)\% \times 3$

 \Rightarrow 75000 × 2/100 × 3

⇒ Rs.4500

68. Answer: b

Explanation: Personal Exams Guide

Given:

Ratio of the votes cast for two candidates = 4:9

The successful candidate received 984321 votes

Calculation:

Let the votes cast for two candidates be 4a and 9a

According to the question,

9a = 984321



 \Rightarrow a = 984321/9 = 109369

Total votes polled = 4a + 9a = 13a

- \Rightarrow 13a = 13 × 109369 = 1421797
- ∴ The total votes polled were 1421797

69. Answer: c

Explanation:

Given:

Time taken by the train to travel from P and Q = 1 hour 20 minutes

Concept used:

Distance/Speed = Time

Time = 1/speed

Calculation:

Let the usual speed be 6 units/h

 \Rightarrow Reduced speed = 6 × 5/6 = 5 units/h

Total distance covered by the train with usual speed = $4/3 \times 6 = 8$ units [1 hour 20 minutes = 4/3 hours]

So,

With reduced speed

- ⇒ 8/5 hours
- \Rightarrow 60 × 8/5 = 96 minutes or 1 hour 36 minutes
- : Time taken to travel from P to Q with reduced speed is 1 hour 36 minutes.





* Alternate Method

$$s_1/s_2 = t_2/t_1$$

$$s_1 = 6$$
 units, and $s_2 = 5$ units

$$t_1 = 4/3$$
 hours

$$\Rightarrow 6/5 = t_2/4/3$$

$$\Rightarrow$$
 8/5 hours = 1 + 3/5 hours

$$\Rightarrow$$
 1 hour + 3/5 × 60 minutes

⇒ 1 hour 36 minutes

70. Answer: d

Explanation:

Given:

The average of the first three numbers is three times the fourth number

Average of all the four numbers is 55

Concept used:

Average = Sum of eleme nts/No. of elements

Calculation:

Let fourth number be x

Average of first 3 numbers = 3x

Sum of first 3 numbers = $3 \times 3x = 9x$

Total of 4 numbers = 55×4



⇒ 220

According to the question,

$$9x + x = 220$$

$$\Rightarrow x = 220/10 = 22$$

Average of first three numbers = $3 \times 22 = 66$

∴ Required answer is 66

71. Answer: c

Explanation:

Given:

$$\frac{13}{2} \, \left[15 \div \, \frac{3}{5} \, of \, \frac{1}{2} + 76 + 1 \, \frac{1}{2} \times 4 \frac{1}{2} \, \div 3 \frac{1}{4} \right]$$

Concept used:

В	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में	
0	our Persor	a byan	s Guide
D	Division (÷)	विभाजन (÷)	
М	Multiplication (×)	गुणा (×)	
Α	Addition (+)	जोड़ (+)	
S	Subtraction (–)	घटाव (-)	

Calculation:

$$\frac{13}{2} \, \left[15 \div \, \frac{3}{5} \, of \, \frac{1}{2} + 76 + 1 \, \frac{1}{2} \times 4 \frac{1}{2} \, \div 3 \frac{1}{4} \right]$$

$$\Rightarrow \frac{13}{2} \left[15 \div \frac{3}{10} + 76 + 1 \frac{1}{2} \times 4 \frac{1}{2} \div 3 \frac{1}{4} \right]$$



$$\Rightarrow \tfrac{13}{2} \, \left[15 \times \, \tfrac{10}{3} + 76 + \, \tfrac{3}{2} \times \tfrac{9}{2} \, \times \tfrac{4}{13} \right]$$

$$\Rightarrow \frac{13}{2} \left[50 + 76 + \frac{27}{13} \right]$$

$$\Rightarrow \frac{13}{2} \ \left[\frac{650 + 988 + 27}{13} \right]$$

- ⇒ 832.5
- ∴ Required answer is 832.5

72. Answer: a

Explanation:

Given:

Rate of interest = 10%

Amount = Rs. 29282

Time for C.I = 4 years

Time for S.I = 5 years

Concept used: r Personal Exams Guide

$$A = P(1 + r/100)^{n}$$

Where, A = Amount P = Principal r = rate of interest n = time period in years

$$S.I. = PRT/100$$

Calculation:

$$29282 = P(1 + 10/100)^4$$

$$\Rightarrow$$
 29282 = P(11/10) ⁴

$$\Rightarrow$$
 P = 29282 × 10/11 × 10/11 × 10/11 × 10/11



 \Rightarrow P = Rs. 20000

S.I. = $(20000 \times 10 \times 5)/100$

⇒ S.I. = Rs. 10000

∴ Required simple interest is Rs. 10000

73. Answer: b

Explanation:

Given:

Cost Price of two articles = Rs.3000 each

Profit on one article = 10%

Loss on the other article = 5%

Formulas used:

Selling Price = Cost Price \times (100 + Profit)/100%

Profit = Selling Price - Cost Price

Profit percent = Profit/Cost Price × 100

Calculation:

Total Cost Price of both articles = Rs.3000 + Rs.3000 = Rs.6000

Selling Price of one article at 10% profit = $3000 \times 110/100 = Rs.3300$

Selling Price of another article at 5% loss = 3000 × 95/100 = Rs.2850

Total Selling Price of both articles = 3300 + 2850 = Rs.6150

Profit on both articles = Rs.6150 - Rs.6000 = 150





Profit Percent on both articles = $150/6000 \times 100$

- ⇒ 2.5%
- ∴ The total profit percentage is 2.5



* Shortcut Trick

If the cost price of two articles is the same.

Profit/Loss
$$\% = (+10 - 5)/2 = 2.5\%$$

Positive sign indicates profit and negative sign indicates loss.

74. Answer: d

Explanation:

Calculation:

Total number of students enrolled in B during 2015, 2016 and 2018 = 360 + 375 + 225

⇒ 960

Total number of students enrolled in A during 2016 = 300

Difference =
$$320 - 300 = 20$$

Required
$$\% = 20/300 \times 100$$

$$\Rightarrow$$
 6.66% \approx 6.7%

∴ Required answer is 6.7%

75. Answer: b





Explanation:

Given:

$$[0.9 \{1.1 - 0.3(0.3 - 0.2 \div 0.5) + 0.4\}] \div 0.81 = x + 1$$

Concept used:

В	Brackets in order (), {}, []	ब्रैकेट (), {}, [] क्रम में
0	of	का
D	Division (÷)	विभाजन (÷)
M	Multiplication (×)	गुणा (×)
A	Addition (+)	जोड़ (+)
S	Subtraction (–)	घटाव (-)

Calculation:

$$[0.9 \{1.1 - 0.3(0.3 - 0.2 \div 0.5) + 0.4\}] \div 0.81$$

$$\Rightarrow [0.9 \{1.1 - 0.3(0.3 - 0.4) + 0.4\}] \div 0.81$$

$$\Rightarrow [0.9 \{1.1 + 0.03 + 0.4\}] \div 0.81$$

$$\Rightarrow [0.9 \times 1.53] \div 0.81$$

$$\Rightarrow$$
 1.377 \div 0.81

⇒ 1.7

Here 1.7 = x + 1

So,
$$X = 1.7 - 1 = 0.7$$

∴ Required answer is 0.7



Explanation:

The correct answer is fossil.

<u>Key Points</u>

- The impression of the body part of a dead insect on hardened mud is an example of a<u>fossil</u>.
- Fossils are the preserved traces, impressions, and remains of ancient living things or organisms from a past geological age.
- The earth's crust is made up of various types of rocks .
- Any natural mass of mineral matter that makes up the earth's crust is called a rock.
- Rocks can be of different colors, sizes, and textures.
- Fossils are generally found in the sedimentary rocks of many continents.
- The reason is pretty much understood with the name 'sedimentary' which means that these rocks have settled and remained in the same state and place over the centuries.

- Rocks roll down, crack, and hit each other and are broken down into small fragments.
 - These smaller particles are called sediments.
 - o These sediments are transported and deposited by wind, water, etc.
- These loose sediments are compressed and hardened to form layers of rocks.
 - These types of rocks are called sedimentary rocks.
- A mass of rotted organic matter made from waste is called compost.
- The compost made from waste like sugarcane trash, paddy straw, weeds, and other plants and other waste is called farm compost.
 - It is used to increase the productivity of the soil.





Explanation:

The correct answer is Ravishankar Prasad.

• Ravishankar Prasad is the Union Minister of Law and Justice in India. (July 2020)

★ Confusion Points

• **Kiren Rijiju** is currently the Cabinet Minister of Law and Justice of India. (March 2022)

* Additional Information

• List of cabinet ministers: (March 2022)

Your Personal Exams Guide





Shri Amit Shah	Ministry of Home Affairs Ministry of Cooperation
Shri Rajnath Singh	Ministry of Defence
Shri Nitin Jairam Gadkari	1. Ministry of Road Transport and Highways
Shri Narayan Tatu Rane	Ministry of Micro, Small and Medium Enterprises
Smt. Nirmala Sitharaman	Ministry of Finance Ministry of Corporate Affairs
Shri Narendra Singh Tomar	1. Ministry of Agriculture & Farmers Welfare
Shri Sarbanada Sonowal	Ministry of Ports, Shipping and Waterways Ministry of AYUSH
Dr. Virendra Kumar	Ministry of Social Justice and Empowerment
Dr. Subrahmanyam Jaishankar	Ministry of External Affairs
Shri Ramchandra Prasad	Ministry of Steel
Shri Arjun Munda	Ministry of Tribal Affairs





Smt. Smriti Zubin Irani	1. Ministry of Women and Child Development
Mansukh Mandaviya	Ministry of Health and Family Welfare Ministry of Chemical Fertilizers
Shri Ashwini Vaishnav	 Ministry of Railways Ministry of Communications Ministry of Electronics and Information Technology
Shri Piyush Goyal	1. Ministry of Textiles 2. Ministry of Commerce and Industry 3. Ministry of Consumer Affairs, Food and Public Distribution
Your Personal Shri Dharmendra Pradhan	1. Ministry of Education 2. Ministry of Skill Development and Entrepreneurship
Shri Mukhtar Abbas Naqvi	Ministry of Minority Affairs
Shri Pralhad Joshi	Ministry of Parliamentary Affairs Ministry of Coal Ministry of Mines





Shri Jyotiraditya M. Scindia	Ministry of Civil Aviation
Shri Giriraj Singh	Ministry of Rural Development Ministry of Panchayati Raj
Shri Gajendra Singh Shekhawat	Ministry of Jal Shakti
Shri Pashu Pati Kumar Paras	Ministry of Food Processing Industries
Shri Kiren Rijiju	Ministry of Law and Justice
Shri Raj Kumar Singh	Ministry of Power Ministry of New and Renewable Energy
Shri Hardeep Singh Puri	Ministry of Petroleum and Natural Gas Ministry of Housing and Urban Affairs
Shri Bhupender Yadav	Ministry or Environment, Forest and Climate Chane Ministry of Labour and Employment
Dr. Mahendra Nath Pandey	Ministry of Heavy Industries
Shri Parshottam Rupala	Ministry of Fisheries, Animal Husbandry and Dairying



	Shri G. Kishan Reddy	1. Ministry of Culture 2. Ministry of Tourism 3. Ministry of Development of North Eastern Region
78. A	Shri Anurag Singh Thakur nswer: c	Ministry of Information and Broadcasting Ministry of Youth Affairs and Sports

Explanation:

The correct answer is **Bidesh Bose**.

- Bidesh Ranjan Bose, also known as Bidesh Bose or Bidesh Basu, is a former Indian Bengali international footballer and politician from West Bengal.
- Bose, was a crucial forward position player in the Indian football team of the 1978 Asian Games.
- Hence Bidesh Bose is not the goalkeeper.

- Bhaskar Ganguly is a former Indian football goalkeeper from West Bengal.
 - He was the captain of India's national football team which participated in the 1982 Asian Games.
- Havildar Peter Thangaraj was an Indian football player and a Non-Commissioned Officer in Indian Army.
 - Thangaraj played for the Indian national side at the 1956 Melbourne and 1960 Rome Olympics.
 - He was voted Asia's best goalkeeper in 1958.
- **Brahmanand Sagoon Kamat Sankhwalkar** is a former Indian footballer and a captain of the Indian team from 1983 to 1986, who played as a goalkeeper.





Explanation:

The correct answer is **Ibrahim Lodi**.

<u>Key Points</u>

- **Ibrahim Lodi** was the last ruler of the Lodi dynasty who was defeated and killed by Babur in the Battle of Panipat in 1526.
- The Tomb Of Ibrahim Lodi is situated in Panipat in Haryana.

* Additional Information

- The Lodi dynasty was founded by Bahlul Khan Lodi.
 - o The Lodi dynasty was an Afghan dynasty.
 - The Lodi dynasty was the last dynasty in Delhi Sultanate, ruled from 1451 to 1526.
 - o Sikandar Lodi was the son of Bahlul founded Agra in 1504.
 - Ibrahim Lodi was the son of Sikandar Lodi and he was the last Lodi Sultan of Delhi.

80. Answer: c

Explanation:

The correct answer is 212° F.

Key Points

- The Steam Point on the Fahrenheit scale is 212° F.
- The temperature at which water vapour condenses at a pressure of one atmosphere, is represented by 100°C and 212°F.





- Celsius scale:
 - o In this scale, a lower fixed point (ice point) is designated as 0° and the upper fixed point(steam point) is designated as 100°.
 - The temperature measured on this scale was all in degrees Celsius (°
 C).
- Fahrenheit scale:
 - On this scale of the temperature scale, the melting point of ice is considered to be 32° F and the boiling point of water is 212° F.
 - The change in temperature of 1° F corresponds to a change of less than 1° C on the Celsius scale .
- Kelvin scale:
 - We also know the Kelvin temperature scale as the thermodynamic scale
 - On the Kelvin scale, the boiling point of the water is considered to be
 373.15 K and its freezing point is 273.15 K.

Explanation:

The correct answer is 11.

- There are 11 Fundamental Duties.
- The idea of Fundamental Duties is inspired by the Constitution of the USSR.
- These were incorporated in Part IV-A of the Constitution by the 42 nd Constitutional Amendment Act, 1976 on the recommendations of the Swaran Singh Committee.
- Originally 10 in number, one more duty was added through the 86 th Constitutional Amendment Act, 2002. All the eleven duties are listed in Article 51-A of the Constitution (the sole Article in Part-IV-A).
- The fundamental duties serve as a reminder to citizens that while enjoying their rights, they have also to be quite conscious of the duties they owe to their country, their society and to their fellow citizens.
- However, like the Directive Principles, the duties are also non-justiciable in nature.





Additional Information

- List of Fundamental Duties:
 - o To abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem;
 - o To cherish and follow the noble ideals that inspired the national struggle for freedom:
 - To uphold and protect the sovereignty, unity and integrity of India;
 - To defend the country and render national service when called upon to do so;
 - To promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities and to renounce practices derogatory to the dignity of women:
 - To value and preserve the rich heritage of the country's composite culture;
 - o To protect and improve the natural environment including forests, lakes, rivers and wildlife and to have compassion for living creatures;
 - To develop scientific temper, humanism and the spirit of inquiry and reform:
 - To safeguard public property and to abjure violence;
 - To strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement; and
 - o To provide opportunities for education to his child or ward between the age of six and fourteen years (added by the 86 th Constitutional Amendment Act, 2002).

82. Answer: d

Explanation:

The correct answer is **RK Narayan**.



Key Points





- The author of Waiting for the Mahatma is **R.K. Narayan**.
- This book is written in his gentle comic style where a character Sriram is attracted to **Bharti who is active in Quit India Movement**, and he too becomes an activist himself.
- R.K. Narayan, one of the most celebrated Indian novelists writing in English has won numerous awards.
- These include the Sahitya Akademi Award in 1958, the Padma Bhushan in 1964, the AC Benson Medal by the Royal Society of Literature in 1980, besides the Padma Vibhushan in 2000.

Additional Information

- Anita Desai is a writer and has been shortlisted for the Booker Prize three times; she received a Sahitya Academy Award in 1978.
- Sri Lal Sukla was the 45 th winner of the Jnanpith Award in 2009.
- Gopinath Bordoloi was a politician and Indian independence activist who served as the first Chief Minister of Assam.

83. Answer: a

Explanation:

The correct answer is <u>To provide loans with collateral.</u>



Key Points

- Objectives of SHG:
 - To inculcate the savings and banking habits among members.
 - o To secure them from financial, technical and moral strengths.
 - To enable availing of loans for productive purposes.
 - To gain economic prosperity through loans/credit.
 - To gain from collective wisdom in organising and managing their own finance and distributing the benefits among themselves.
 - To sensitize women of the target area to the need for SHG and its relevance in their empowerment.
 - To create group feelings among women.





- To enhance the confidence and capabilities of women.
- To develop collective decision making among women.
- To encourage the habit of saving among women and facilitate the accumulation of their own capital resource base.
- To motivate women to take up social responsibilities particularly related to women's development.
- o It acts as a forum for members to provide space and support to each
- Hence "To provide loans with collateral" is not the objective of SHG.

Additional Information

- About Self-Help Groups:-
 - They are voluntary organizations.
 - o In this, backward and poor people coming from almost the same socioeconomic background solve their common problems through each other's cooperation.

84. Answer: b

Explanation:

The correct answer is **Kandla**.



Key Points

List of 13 Major Ports of India:





S.No.	<u>State</u>	Name of Port	
1.	Tamil Nadu	Chennai	
2.	Tamil Nadu	Tuticorin	
3.	Andhra Pradesh	Vishakapatnam	
4.	Odisha	Paradip	
5.	Maharashtra	Jawaharlal Nehru	
6.	Maharashtra	Mumbai	
7.	Karnataka	Mangalore	
8.	Goa	Mormugao	
9.	Gujarat	Kandla	
10.	West Bengal	Kolkata Port	
11.	West Bengal	Haldia	
12.	Tamil Nadu	Ennore S G	
13.	. Kerala	Kochi Port or Cochin Port	

• Hence Kandla is in Gujarat.

- India has about 190 ports, with 13 major and the rest intermediate and minor.
- The largest port in India is Jawaharlal Nehru Port in Mumbai.
- The largest natural port is in Vishakhapatnam.
- Mumbai Port is the busiest port in India.





- Large ports are maintained by the Central Government whereas small ports are included in the concurrent list and are managed by the State Government.
- Tuticorin is an artificial deep-sea dock and is also known as VO Chidambaranar Port.
- Ennore Port is also known as Kamarajar Port Limited.

Explanation:

The correct answer is **Potenz**.

Key Points

- p stands for Potenz, Which means power in German.
- pH is the negative log of hydrogen ion concentration in a water-based solution.
 - pH is an abbreviation for "power of hydrogen" where "p" is short for the German word for power, potenz and H is the element symbol for hydrogen.

* Additional Information Solling Explans Guide

- The "pH" value is an approximate number between 0 and 14 that indicates whether a solution is acidic, basic, or neutral.
 - o At pH 7, the substance or solution is neutral.
 - o If pH >7, the solution is basic
 - \circ If pH < 7, the solution is acidic.

86. Answer: a

Explanation:





The correct answer is **Jantar Mantar**, **Delhi**.

Key Points

- India has 40 world heritage sites now.
- Recently, Dholavira, Harappan City in the Rann of Kutchh, becomes India's 40th UNESCO World Heritage Site.
- Jantar Mantar, Delhi is not a UNESCO World Heritage Site while Jantar Mantar, Rajasthan is UNESCO World Heritage Site.

* Additional Information

- The World Heritage Committee is composed of representatives of 21 States Parties to the World Heritage Convention who meet annually.
- The Convention Concerning the Protection of the World Cultural and Natural Heritage is an international agreement that was adopted by the General Conference of UNESCO in 1972.
- It is based on the premise that certain places on Earth are of outstanding universal value and should therefore form part of the common heritage of humankind.
- It basically defines the kind of natural or cultural sites which can be considered for inscription on the World Heritage List.
- To date, 1,092 sites in 167 countries have been inscribed on the World Heritage List.

87. Answer: b

Explanation:

The correct answer is **Gymnastics**.

Important Points

- Produnova is a special type of artistic gymnastics.
- It was named after **Yelena Produnova a Russian athlete** who completes this stunt in 1999.





- This is also known as the 'vault of death'.
- The athletic had to take a sprint and catapult into the air followed by two somersaults before la song on their feet.
- Only five-woman gymnasts successfully executed Produnova in which Dipa
 Karmakar from India is one of them.

Explanation:

The correct answer is Charaka.

* Key Points

- Charaka was the court physician of Kaniska.
- Charaka was one of the principal contributors to Ayurveda medicine in ancient India.
- He is best known for his work Charaka Samhita.

* Additional Information

• Ancient Indian scholars:

Your Personal Exams Guide





Poet	Patron	Contribution
Banabhatta	Harshvardhan	Kadambari, Harsha Charita
Harisena	Samudragupta II	Prayag Prashasti on Allahabad Pillar inscription
Ravikirti	Pulkesin II	Aihole inscription
Kalidasa	Chandragupta II	Kumarasambhava, Raghuvamsa, Meghdoota, Ritusambara. His plays are Abhijnana Shakuntalam Vikramorvashi, and Malvikaganimithram.
Vishakhadatta	Chandragupta II	Mudra Rakshas and Devichandraguptam
Ashvaghosa	Kanishka	Buddha Charitra (a biography of Buddha), Saundarananda
Bharavi	Yasodharman	Kiratarjuniyam (about Kirat and Arjun)
Dandin	Narsimhavarman	Dasakumaracarita, Kavyadarsa
Bhavabhuti Yasovarman		Malatimadhava, Mahaviracharita

Explanation:

The correct answer is Daulatabad.

<u>Key Points</u>

- Muhammad bin Tughluq was the Sultan of Delhi from 1325 to 1351.
- Muhammad Bin Tughlaq shifted his capital from Delhi to Daulatabad in 1327.
- There were two reasons for this shift
 - o His desire to have a centrally located capital, and
 - $\circ\;$ The fear of invasion by Mongols .





• The plan proved to be a failure and the capital was transferred back to Delhi later.

Additional Information

- He introduced token currency in India in 1330.
- Ibn Battuta, the famous traveller, and jurist from Morocco was a guest at his court.

90. Answer: c

Explanation:

The correct answer is **Gross**.

- RTGS is a Real-Time Gross Settlement.
- Hence G stands for Gross.

* Additional Information

- It is a financial transaction system having a continuous and real-time settlement of fund transfers.
- The transaction is processed immediately on a transaction by transaction basis throughout the RTGS business hours.
- The minimum limit is 2 lakh rupees with no maximum limit.
- The RTGS service is available both in online and offline modes.

91. Answer: d

Explanation:

The correct answer is <u>ampere</u>.



Key Points





- Coulomb per second is equivalent to ampere.
- One coulomb is the charge flowing through a wire in 1 second if the current is 1
 Ampere.
- A coulomb is a unit of electric charge.
- A coulomb is a name given in the memory of French physicist Charles
 Augustin de Coulomb .

* Additional Information

- Faraday is the SI unit of capacitance.
- Volts is the SI unit of Electric Potential.
- Ohm is the SI unit of resistance.

92. Answer: b

Explanation:

The correct answer is Vinod Khanna.

Key Points

- Vinod Khanna was posthumously honoured with the Dadasaheb Phalke Award at the 65th National Film Awards.
- Vinod Khanna was the 49th recipient of the Dadasaheb Phalke Award.
- The Dadasaheb Phalke Award is India's highest award in cinema.

🜟 Important Points

- Dadasaheb Phalke is known as the 'Father of Indian Cinema.
- The Father of Indian Cinema 'Dadasaheb Phalke' was born in Mumbai on 30 April 1870.
- He made the first Indian feature film Raja Harishchandra in the year 1913.
- In his memory, the Government of India introduced the Dadasaheb Phalke Award in 1969.
- The very first recipient of this award was Devika Rani who received it in 1969.





Dadasaheb Phalke Award 2021:

Category	Winner	
Best Actor(Male)	Akshay Kumar(Lakshmi)	
Best Actor(Female)	Deepika Padukone(Chhapaak)	
Best Film	Tanhaji: The Unsung Warrior	
Best International Feature Film	Parasite	
Best Web Series	Scam:1992	
Outstanding Contribution to the Indian Film Industry	Dharmendra	
Critics Best Actor(Female)	Kiara Advani(Guilty)	
Critics Best Actor(Male)	Sushant Singh Rajput(Dil Bechara)	
Best Actress Web Series	Sushmita Sen	

93. Answer: d Personal Exams Guide

Explanation:

The correct answer is **four**.

★ Important Points

- When the process of formation of hydrogen by passing steam over red hot iron is presented in the form of a balanced chemical equation, then the number of water molecules on the left hand side of the equation is **four**.
- Iron is found to react with steam when it is red hot.
- Balanced Chemical equation

$$\circ \ 3Fe\left(s
ight) +4H_{2}O\left(g
ight)
ightarrow Fe_{3}O_{4}\left(s
ight) +4H_{2}\left(g
ight)$$

• Theoretically, the reaction of red hot iron with steam is a reversible reaction.





 But in practice, the reaction proceeds continuously from reactants to products because the hydrogen is blown out of contact with iron by the force of the current of the steam.

94. Answer: b

Explanation:

The correct answer is **Fourth**.

* Key Points

- The Fourth Schedule contains provisions as to the allocation of seats in the Council of States.
- The Number of Members of the Rajya Sabha to be elected from Each state/Union Territory has been fixed by the Fourth Schedule of the Constitution.
- In India, the seats of states/Union territories are dependent on the Larger Size of the population gets more Representatives seats than the states with Smaller Populations.

- Schedules of the constitution:
 - The First Schedule contains the list of states and union territories and their territories.
 - The Second Schedule contains provisions of the President, Governors of States, Speaker and the Deputy Speaker of the House of the People and the Chairman and the Deputy Chairman of the Council of States and the Speaker and the Deputy Speaker of the Legislative Assembly and the Chairman and the Deputy Chairman of the Legislative Council of a State, the Judges of the Supreme Court and of the High Courts and the Comptroller and Auditor-General of India.
 - The Third Schedule contains the Forms of Oaths or Affirmations.
 - The Fourth Schedule contains provisions as to the allocation of seats in the Council of States.





- The Fifth Schedule contains provisions as to the Administration and Control of Scheduled Areas and Scheduled Tribes.
- The Sixth Schedule contains provisions as to the Administration of Tribal Areas in the States of Assam, Meghalaya, Tripura, and Mizoram.
- The Seventh Schedule contains the Union list, State list, and the concurrent list.
- The Eighth Schedule contains the list of recognized languages.
- The Ninth Schedule contains provisions as to the validation of certain Acts and Regulations.
- The Tenth Schedule contains provisions as to disqualification on the ground of defection.
- The Eleventh Schedule contains the powers, authority, and responsibilities of Panchayats.
- The Twelfth Schedule contains the powers, authority, and responsibilities of Municipalities.

Explanation:

The correct answer is Uttarakhand.

Key Points

- Hemkund Sahib, formally known as Gurudwara Shri Hemkund Sahib Ji.
- It is a Sikh place of worship and pilgrimage site in **Chamoli district**, **Uttarakhand**, **India**.
- It is devoted to Guru Gobind Singh, the **tenth Sikh Guru**.

Additional Information

Important points to remember about the 10 Sikh Gurus are:





No.	Sikh Gurus	Important Points
lst	Guru Nanak Dev	 1469 to 1539 Introduced the concept of God. Started Guru ka Langer. He was the contemporary of Mughal Emporer - Babur.
2nd	Guru Angad Dev	1539 to 1552Introduced Gurmukhi Script.
3rd	Guru Amardas Sahib	 1552 to 1574 Introduced Anand Karaj. (Marriage Ceremony)
4th	Guru Ram Das	 1574-1581 Started construction of Golden Temple at Amritsar.
5th	Guru Arjan Dev	 1581 to 1606 Compiled Adi Granth. He became the first martyr in Sikh history when Emperor Jahangir ordered his execution.
6th	Guru Har Gobind	 1606 to 1644 Also known as Soldier Saint. He organised a small army.
7th	Guru Har Rai Sahib	1644 to 1661He gave shelter to Dara Shikoh.





	No.	Sikh Gurus	Important Points
	8th	Guru Har Krishan Sahib	1661 to 1664He was the youngest of the Gurus.
	9th	Guru Tegh Bahadur Sahib	1665 to 1675Established the town Anandpur.
	10th	Guru Gobind Singh Sahib	 1675 to 1708 He created Khalsa in 1669. Last Sikh guru in human form.
96. A	nswe	r: b	

Explanation:

The correct answer is trust.

Key Points

- The economic Survey introduces the idea of "trust as that public good which gets enhanced with greater use".
- It can be conceptualised as good with the characteristics of the following:
 - Non-excludability: The citizens can enjoy its benefits at no other explicit financial cost.
 - Non-rival consumption: The marginal cost of supplying these goods to an extra citizen is almost zero.
 - Non-rejectable: Collective supply for all citizens of these goods means that they cannot be rejected.

- The economic survey is an annual report card of the economy.
- It represents a day before the budget examines the performance of each and every sector and then suggests future moves.





- The economic survey was de-linked from the Budget in 1964.
- And unveiled in advance in order to provide a context of the latter.
- · Last year the theme was Saving Lives and Livelihoods.
- The central theme of Economic Survey 2021–22 is the "Agile Approach".
- Another theme highlighted in this Economic Survey relates to the art and science of policy-making under conditions of extreme uncertainty.

Explanation:

The correct answer is **Hockey**.

Key Points

- Dhanraj Pillay (born 16 July 1968) is a retired Indian field hockey player and former captain of the Indian national team.
- He is currently working with Air India Ltd. as Deputy General Manager (DGM).
- He also looks after the Air India Sports Promotion Board as a Joint Secretary based in Mumbai.
- He is regarded as one of the best Indian players.
- Pillay born to a Tamil family made his debut in 1989 with the national team and in a career spanning over 15 years, appeared for India in four Olympic Games, World Cups, and Champion Trophies each.
- He made 339 appearances for the national team and is recorded, unofficially, to have scored 170 goals.
- He also played for clubs in countries such as Malaysia, France, England, and Germany.
- Recognizing his achievements, he was awarded the Padma Shri by the government of India in 2000.

- Field Hockey:
 - o No of Players 11 on each side





- Terms used:- Advancing, Bully, Center pass, Dribble, Flick, Penalty corner,
 Scoop, Striker, Undercutting, etc.
- Some of the famous Indian Hockey players:
 - o Dhyan Chand
 - o Balbir Singh Sr.
 - o Dhanraj Pillay
 - Mohammed Sahid
 - o Sardar Singh
 - Harmanpreet Singh
 - Sandeep Singh

Explanation:

The correct answer is **Bhutan**.

Key Points

- Paro is a valley town in **Bhutan**, west of the capital, Thimphu.
- It is the site of the country's only international airport and is also known for the many sacred sites in the area.

- Recently 17 Iconic Tourist Sites into world-class tourist destinations, to boost the tourism influx in India.
- The 17 iconic Tourists sites are:
 - Taj Mahal and Fatehpur Sikri (Uttar Pradesh),
 - Ajanta & Ellora (Maharashtra),
 - o Humayun's Tomb, Red Fort and Qutub Minar (Delhi),
 - Colva (Goa),
 - Amer Fort (Rajasthan),
 - o Somnath and Dholavira (Gujarat),
 - Khajuraho (Madhya Pradesh),
 - Hampi (Karnataka),





- o Mahabalipuram (Tamil Nadu),
- Kaziranga (Assam),
- Kumarakom (Kerala) and
- The Mahabodhi Temple (Bihar)
- World Tourism Day is celebrated on 27 September.

Explanation:

The correct answer is **Penganga**.

Key Points

- Tributaries of Ganga:
- Left Tributaries:
 - o Ramganga, Garra, Gomti, Ghaghara, Gandak, Koshi, Mahananda.
- Right Tributaries :
 - o Yamuna, Tamsa, Son, Punpun, Kiul, Karamnasa, Chandan.
- Hence Penganga is NOT a tributary of the river Ganga.
- The Penganga River is a tributary of the Wardha River, which is a tributary of the Pranhita River, which flows into the Godavari.

- Son River is one of the major southern tributaries of the Ganges (Ganga) River.
 - The place of origin of the Son river is near Amarkantak in Madhya Pradesh.
 - It is the major tributary of the Ganga river which originates from the Peninsular plateau region.
- Ramganga originates from the state of Uttarakhand.
 - o The length of the river Ramganga is 596 km
 - o Ramganga is a tributary of the river Ganga.
 - o Ramganga joins Ganga near Kannauj district.
- The Kali River East, a tributary of the Ganges, originates in Antwada village in Muzaffarnagar District.





 It flows through eight districts of Uttar Pradesh before its confluence with the Ganga River near Kannauj.

100. Answer: b

Explanation:

The correct answer is **Tillana**.

* Key Points

- As a solo dance, Bharatnatyam leans heavily on the abhinaya or mime
 aspect of dance the nritya, where the dancer expresses the Sahitya through
 movement and mime.
- It is in the adoration of the Supreme Being.
- It is a vibrant dance performed to the accompaniment of musical syllables with a few lines of Sahitya.
- The finale of the piece is a series of well designed rhythmic lines reaching a climax.
- A Bharatnatyam performance ends with a tillana which has its origin in the Tarana of Hindustani music.

Your Personal Exams Guide

