

Directions (1-5): Read the following statements and answer the questions that fellow: Of the six men of literature A, B, C, D, E and F being considered here, two belonged to the 17th century, three to the 19th and one to the 20th. Four were recognized as great poets, three as great novelists and three as great dramatists. One contributed to Bengali literature, two to Hindi, two to Marathi and one to Tamil. The 20th century writer wrote poetry only and contributed to poetry, novel and drama. One Hindi writer and the only Tamil writer belonged to the 19th century. The former contributed to poetry and novel while the latter to novel and drama. The Bengali writer belonged to the 17th century and contributed to poetry only. A belonged to the 20th century. B wrote drama only. C contributed to Marathi literature. D was an Hindi poet and novelist and belonged to the 19th century. E also belonged to the 19th century, and F contributed to poetry only.

1.	To which langua	ge did B contrib	oute?	
	a) Bengali	b) Hindi	c) Marathi	d) Tamil
2.	Among these, w	ho was the Tam	nil writer?	
	a) A	b) B	c) E	d) F
3.	To which branch a) Poetry	of literature di b) Novel	d A contribute? c) Drama	d) All the three
4.	Among these wh	no was the Beng	gali writer?	
	a) A	b) B	c) E	d) F
5.	To which branch	of literature di	d C contribute?	
-	a) Poetry	b) Drama	c) Novel	d) All the three

Directions (6- 10): An arrangement machine, when given an input line of numbers, rearranges them following a particular rule in each step. The following is the illustration of the input and the steps of arrangement:

Input: 37, 29, 17, 51, 46, 22, 71, 33

Step I: 71, 29, 17, 51, 46, 22, 37, 33
Step II: 71, 37, 17, 51, 46, 22, 29, 33
Step III: 71, 37, 29, 46, 51, 22, 17, 33
Step IV: 71, 37, 29, 46, 51, 17, 22, 33
Step V: 71, 37, 29, 46, 51, 17, 22, 33
Step VI: 71, 33, 29, 46, 51, 17, 33, 22

Since the numbers are already arranged, the machine stops after this step. Otherwise the machine may carry on its logic until the numbers get fully arranged. Study the logic and answer the questions that fellow:

6. Input: 19, 59, 23, 36, 60, 75, 71 what will be the third step?
a) 71, 59, 23, 36, 60, 75, 19
b) 71, 19, 59, 36, 60, 75, 23
c) 71, 59, 75, 36, 23, 19
d) 71, 59, 60, 75, 23, 36, 19

- 7. Input: 81, 89, 72, 43, 69, 28, 90
 Which of the following will be the last step?
 a) 89, 90, 43, 72, 81, 69, 28
 b) 90, 89, 72, 81, 43, 69, 28
 c) 90, 89, 81, 72, 69, 43, 28
 d) 90, 81, 89, 69, 43, 72, 28
- 8. Input: 28, 63, 65, 58, 57, 42, 40
 How many steps will it take to arrange the above input?
 a) Two
 b) Three
 c) Four
 d) Five

9. The step two of an input is as follows: 54, 27, 45, 36, 63, 17
Which of the following would definitely be the first step?
a) 27, 45, 54, 36, 63, 17
b) 17, 63, 45, 36, 27, 54
c) 54, 17, 45, 36, 63, 27
d) Can't be determined

 10.
 Input: 7, 17, 27, 37, 47, 57, 67

 Which of the following will be the last two terms of Step IV?

 a) 57, 27
 b) 27, 7
 c) 17, 7
 d) 67, 7

The Best Coaching Institute For TNPSC, Bank, SSC, Police Exam, TET Exam, Railways Exams **8939 144 344** 2 **www.weshineacademy.com** Directions (11 – 15): Exactly seven persons A, B, C, D, E, F and G participate in and finish all of a series of 1 km races. There are no lies for any position at the finish of any of the race and F or s. G always finishes somewhere ahead of A A always finishes somewhere ahead of B Either C finishes first and E finishes last, or D finishes or B finishes last. 11. If in a race C finishes second and B finishes fifth, which of the following MUST be TRUE? a) G finishes fourth b) F finishes sixth c) E finishes sixth d) D finishes fourth 12. If in a race D finishes fifth, which of the following CAN be TRUE? a) B finishes fourth b) D finishes first c) C finishes second d) E finishes third If in a race D finishes sixth and B finished fifth, which of the following CAN be 14. TRUE? a) F finishes third or fourth b) G finishes first or fourth c) E finishes fourth or fifth d) C finishes second or third If in a race C finishes first, G can finish no lower than 15. c) Fourth a) Second b) Third d) Fifth

Directions (16 – 20): In each of these questions, there is a word written in capital letters, with one letter underlined. For each letter in that word there is a code written in small letters. That code is denoted by either1, 2, 3 or 4 not in the same order. For each question, you have to find out the exact code for the underlined letter in the word. The number of that code is the answer to that question. Please note that the same letter appearing in other word(s) may be coded differently.

16.	AVJD a) lm	b) de	c) gh	d) yz
17.	GUST a) fw	b) hu	c) gv	d) ti
18.	PRIM a) f	b) j	c) m	d) o

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19.	RJFT a) i	b) q	c) u	d) f
20.	TOWN a) s	b) q	c) p	d) r

Directions (21 - 23): In each of the following questions, there is a certain relationship between two given words on one side of : : and one word is given on another word id to be found from the given alternatives, having the same relation with this word as the words of the given pair bear. Choose the correct alternative.

21.	Illiteracy : Education a) Bridge	n : : Flood : ? b) Dam	c) River	d) Rain	
	.,		<i>cyc</i> .	TAN	
22.	Water : Convection	::Space:?			
	a) Conclusion		b) Transference		
	c) Vacuum	10	d) Radiation	101	
23	Skirmish · War · · D			00	
25.	a) Medicine	R	b) Patient		
	c) Epidemic		d) Infection		
		_	O.V		
24.	Engineer is related	to Machine in	the same way as D	octor is related to	
	a) Body 🔪 🎽		b) Medicine		
	c) Disease 🛛 🧉		d) Hospital		
25	Select the pair of w	ords that has	same relationshin a	as the original nair of words	
25.	Pedant : Erudition			as the original pair of words.	
	a) Blunt : Politician		b) Diplomatic : Tao	ctless	
	c) Enemy : Friendly		d) Prude : Modest	Ξγ	
Direct	tions (26 – 30): in the	e tollowing qu	lestions, the symbo	$rac{1}{1}$ bis +, -, x , \div and = are used	
$\Delta + R$	means Δ is greater t	ידי han R			
A - B	means A is either gr	eater than or	equal to B		

A × B means A is equal to B

 $A \div B$ means A is either smaller than or equal to B.

For each question, you have to assume given statements to be true and then decide which of the two given conclusion(s) is/are **definitely true**. **Give answer:**

- i) If only conclusion I is true ii) If only conclusion II is true iii) If either conclusion I or II is true iv) If either I or II is true 26. Statements: $P - Q, R \times S, P \div T, Q + R$ **Conclusions**: $I. P \times R$ II. T + Q 27. Statements: $F \times G, K + G, T = N, Y \times T$ ine Academy **Conclusions**: I. L + K II. $G \times R$ 28. Statements: $M - N, Z + Y, T = N, Y \times T$ **Conclusions**: I. T÷ M II. M × T 29. Statements: $E \times G, D + F, H = E, D$ Conclusions: I. H × G II. E +F
 - 30. Statements: U +V, W − Y, W + F, Y × U
 Conclusion: I. W + U
 II. F ÷ V
 - 31. Three of the following four groups of letters are alike in some way while one is different. Find out which one is different.
 a) EJNO
 b) HMQR
 c) KPSU
 d) NSWX
 - 32. Three of the following four are alike in a certain group. Which is the one that

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	does not belong to a) GASWORKS : DXI c) OUTHOUSE : LRU	the group? ROWSNV JOHTWI	b) KNIGHTLY d) MARTYRED : JXF	YTRITH	
33.	Find the missing ele 30, 390, 784 a) 328	ement in the series g 1, 786 b) 228	viven below: c) 128	d) 75	
34.	If the first letters of two letters are reve letter to the left of	f English alphabet ar ersed, then which let 5 th letter from right	e reversed and so on ter will be 19 th lette	and the last r to the right of 17 th	
	a) W	b) V	c) B	d) X	
35.	Number of letters s one, which of the fo a) DBYPU	skipped in between a ollowing series obse b) DBPUY	adjacent letters in the rves this rule? c) DBUYP	e series decreases by d) DBYUP	
Direc concl varia logica appro	Directions (36 – 40): Below are given three statements a, b and c followed by four conclusions. You have to take the given statements to be true even if they appear at variance with commonly known facts and then decide which of the conclusions logically follow(s) from the given statements. For each question, mark out an appropriate answer choice that you think is correct.				
36.	Statements: A) Some men are b B) All schools are b C) No books are sch Conclusions: I. Some men are no II. Some men are no III. Some men are no IV. Some boats are a) I and IV follow c) I and III follow	ooks oats nools ot schools ot boats not boats not books b) II a d) II a	and Iv follow and III follow		
37.	Statements: A) Some chairs are B) All cups are road C) Some roads are t	cups ls trains			

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Conclusions:

	 I. Some chairs are trains II. Some cups are trains III. Some trains are cups IV. Some roads are chairs a) I, II, and III follow c) I and IV fellow 	b) II and III follow d) Only Iv fellow
38.	Statements: A) No men are boys B) No women are girls C) All boys are women Conclusions: I. Some men are not women	
	II. Some women are not menIII. No boys are girlsa) Only I and II followc) Either II or IV follows	b) Only II and II follow d) Only II and IV follow
39.	Statements: A) No kite is a slate B) No jug is a slate C) Some jugs are ropes Conclusions: i) Some ropes are slates ii) Some ropes are not slates iii) No kite is a jug iv) Some jugs are kites a) Either II or III follows b) Either I or II and IV follow c) Either III or IV or II follow d) Either I or II and either III or IV	follow
40.	 Statements: A) All banks are shops. B) All markets are shops C) All markets are roofs Conclusions: I. Some roofs are shops II. Some banks are roofs III. Some banks are markets 	

The Best Coaching Institute For TNPSC, Bank, SSC, Police Exam, TET Exam, Railways Exams **8939 144 344** 7 **www.weshineacademy.com** IV) Some markets are not roofsa) Only I followsc) Only III follows

b) Only II followsd) Either II or III follows

Directions (41-44): Choose the word which is opposite in meaning to the given word.

41. Exorbitanta) barbaricc) counterfeit

b) famishedd) moderate

42. Humane a) cruel c) cheerful

b) proud d) tranquil

43. Obsoletea) heatedc) renovated

b) desolated) automatic

b) lengthen

d) smother

ademi

44. Suppressa) stimulatec) abandon

Directions (45 – 47): In the following sentences replace the words printed in bold with the appropriate expression from the given appropriate expression from the given alternatives.

- 45. He is always prominent in a crowd because of his height
 a) stands out
 b) looks out
 c) stands up
 d) looks up
- 46. The rebels offered resistance for almost a montha) held overb) held upc) held outd) held in
- 47. He generally overlooked the faults of his subordinatesa) passed outb) passed byc) passed throughd) passed over

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Directions (48 – 51): Fill in the blanks with the most appropriate words 48. While a great deal of change and modernization has taken place in India since 1947, the basic values and family roles have been generally -----a) overturned b) stable c) modified d) appropriate 49. it would be difficult for one so ------ to be led to believe that all men are equal and that we must disregard race, color and creed a) emotional b) democratic c) intolerant d) obsolete 50. The linguistic ------ of refugee children is reflected in their readiness to adopt the language of their readiness to adopt the language of their new homeland a) conservatism b) inadequacy d) adaptability d) structure Rent control restrictions on small apartment owners may unfortunately -------51. rather than alleviate the housing problem a) resolve b) diminish c) castigate d) aggravate Directions (52 - 55): In the following questions the word at the top is used in four different ways. Choose the option in which the usage of the word is incorrect or inappropriate 52. Court a) He has been courting Jane for six months b) He has difficulty in courting his feelings into words c) The prisoner was brought to court for trial d) The tennis match will take place on the grass court

53. Expense

- a) Most children in India are educated at public expense
- b) We had a good laugh at his expense
- c) He became a good scholar
- d) A man of your expense should do well in life

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- 54. Demand
 - a) The policeman demanded his name and address
 - b) He came to my house and demanded help
 - c) How would you demand that the world is round?
 - d) The worker's demands were refused by the employer
- 55. Master
 - a) She could not master the courage to tell her friend about her loss
 - b) She quickly mastered the art of interviewing people
 - c) The terrorist was a master of disguise
 - d) He is the master of his house

Directions (56 – 59): Each question below consists of a related pair of words followed By four parts of words. Select the pair that best expresses the relationship similar to the original pair

- 56. Cobbler : shoes : :a) Mechanic, automobilec) Painter : easel
- 57. Museum : exhibita) Sculptor : statuec) Painting : frame
- 58. Grain : silo: :a) Seed : plantc) Druggist
- 59. Doctor : diseasea) Moron : imbecilityc) Broker : stocks

b) Carpenter : sawd) Interrogator : question

b) Prison : celld) Theatre : performance

b) Water : bucketd) Furlong : mile

b) Paediatrician : senility

d) Psychiatrist : maladjustment

Directions (60 – 62): Fill in the blanks with the appropriate alternative

60. These weaknesses could ------ if you tried hard to improve hard to improve your standard
a) overcome
b) overcame
c) be overcome
d) have been overcome

61. ----- the timely help the patient would have died

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62.	a) Inspite of c) But for The topic that were a) wasn't it	e discussing nov b) isn't it	b) Because of d) Even after v was first raised by o c) was it	ur boss,? d) hasn't been	
Direc expre	ctions (63 – 66): In the esses the meaning of	e following que the given wore	estions choose the alt d	ternative which best	
63.	Fastidious a) doubtful c) hesitant		b) particular d) cautious		
64.	Emancipate a) pass c) free		b) confuse d) imagine	TM	
65.	Hamper a) open c) notice	S	b) hide c) hinder	emis	
66.	Despicable a) undesirable c) desperate		b) contemptible d) faithless		
Direc been Englis	Directions (67 – 70): In each of the following sentences four words or phrases have been printed in bold. One bold part in each sentence is not acceptable in standard English. Pick up that part.				
67.	If				

	a) anyone cares to join c) now or in future, they	b) me in this campaign d) are most welcome
68.	The government Initiated a) various measure c) the living standards	b) to raise e) of the people
69.	The reason a) for my prolonged c) from the class was because	b) absence d) I was ill

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70.	We admired a) his many c) to enter		b) attempts bra d) the burning b	vely building	
GENI	ERAL AWARENESS				
71.	The State of Orissa a) Odisha	has been ren b) Orisa	amed as c) Odisa		d) Orisha
72.	Indira Gandhi Prize conferred on a) Asma Jahangir c) Susilo Bombang `	for Peace, Dis Yudhoyono	sarmanent and De b) Tony Blair d) Lula Da Silva	evelopmei	nt for 2010 has been
73.	Match List – I with List – I (Program) A) Balika Vadhu B) Jhansi ki Rani C) Ye rishta Kya Kah D) Jhalak Dikhla Jaa List – II (Channel)	List – II nalata Hai	aci	de	my
	i) Zee tv A	b) Star Plus B	C) Sony	D	d) Colours
	i) ii) iii) iii) 1 iv) 2	4 1 3 3	2 2 4 1	1 3 2 4	
74.	Rajeev Gandhi Sche includes the girls of a) 11 to 18 years c) 12 to 19 years	eme for Empo f the age grou	werment of Adol p b) 12 to 18 year d) 13 to 19 year	escent Gir ⁻ s ·s	ls named as 'Sabla'
75.	Contribution to Prin a) 50% under Sectio b) 75% under Sectio c) 100% under Sect d) 100% under Sect	me Minister's on 80 – G on 80- G ion 80 – G tion 88	Relief Fund enjoy	/s Income	Tax benefit up to
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76.	Who is the author of the book U	innah and Tilak comrades in the Freedom
	a) A G Noorani	h) lagat S Mehta
	d) Jaswant Singh	d) Lal Krishna Advani
	dy Jaswant Singh	
77.	The term 'Tee' is associated with	n which of the following sports?
	a) Table Tennis	b) Polo
	c) Judo	d) Golf
78.	The Constitution of India provide by the President to represent	es for nomination of two members of Lok Sabha
	a) Men of eminence	b) The Parsis
	c) The Anglo – Indian Communit	y e) The business community
79.	In the event of a ministerial prop legislature, under the parliamen a) the Government waits for a ge b) the minister concerned is task c) the minister is forced to resign d) the whole Council of Minister	oosal being defeated on the floor of the tary system eneral no – confidence motion by the Prime Minister s resign
80.	Which of the following represen Central Government, the sponse respectively? a) 40 : 35 : 25 c) 50 : 30 : 20	ts the ratio of equity of the RBI held by the oring banks and the concerned State Government b) 40 : 40 : 20 d) 50 : 35 : 15
81.	Which country has World's bigge	est solar power station?
	a) United States	b) United Kingdom
	c) Germany	d) Spain
82.	The enzyme that coagulates mill	k into curd is
	a) Renin	b) Pepsin
	c) Resin	d) Citrate
83.	Capital of Libya is	
	a) Loti	b) Pepsin
	c) Tripoli	d) Pula
84.	The Headquarters of United Nat	ions Environmental Program are located in
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	a) Vienna c) Geneva	b) Nairobi d) Berne
85.	The concept that under a system what goods and services shall be a) Consumer's Decision c) Consumer Protection	of free enterprise, it is consumers who decide produced and in what quantities, is known as b) Consumer Sovereignty d) Consumer Preference
86.	Bhagat Singh, Sukh Dec and Rajg a) 1929, December 31 c) 1933, May 9	uru were executed on b) 1931, March 23 d) 1935, August 4
87.	Nuclear explosion at Pokhran too a) November 2, 1970 c) February 18, 1973	ok place on b) December 10, 1972 d) May 18, 1974
88.	Which one of the following is the a) Venus c) Saturn	e hottest planet? b) Mars d) Mercury
89.	Which city is situated on the ban a) Rome, Italy c) Sidney, Australia	ks of Darling river? b) Paris, France d) Bristol, UK
90.	Durand line is the important bou a) China and Pakistan c) India and Pakistan	ndary between b) Pakistan and Afghanistan d) India and China
91.	Which one of the following Natio a) HH – 8 c) NH – 24	onal Highways connects Delhi and Lucknow? b) NH – 12 d) NH – 27
92.	Which port is called the offspring partition as a substitute of Karac a) Jawaharlal Nehru Port c) New Mangalore Port	g of partition as it was developed after the hi port? b) Kandla Port d) Tuticorin Port
93.	Who among the following was e nomination for the post of the F a) V. V. Giri	elected unopposed as no one else filed President? b)Dr. Zakir Hussain
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	c)Neelam Snajeeva F	addy	d) R. Venkatraman	
94.	Accepting the policy Scheme, named 'Bha a) December 16, 200 c) November 14, 200	'a step towar arat Nirman Y 5 4	rds village', Union Government launched a (ojana'. When was this scheme launched? b) February 9, 2004 d) April 12, 2005	
95.	It is the total money geographical bound a) GNP c) NNP	value of all fi aries of the co	inal goods and services produced within the country during a given period of time. b) GDP d) GND	
96.	Who has been electe a) Dilma Rousself c) Manuela Davila	d as the first f	female President of Brazil? b) Marina Silva d) Ana Maria Rangel	
97.	What is the position o a) 28 th c) 48 th	of China in Wo	orld Prosperity Index? b) 38 th d) 58 th	
98.	Match List I with List the lists. List – I (Diseases a) Goiter c) Hyperglycemia	II and select t	 b) Dwarfism d) Addison's syndrome 	
	List – II (Endocrine glands	ands affected	d) h) Pancreas	
	c) Pituitary gland		d) Thyroid gland	
	A B	С	D	
	i) 4 3	1	2	
	ii) 3 4	2	1	
	iii) 4 3	2	1	
	IV) 3 4	T	2	
99.	Which country has be marriage, following a a) Uruguay c) Argentina	ecome the firs land mark se	st Latin American country to legalize same – sex enate vote live on national TV? b) Mexico d) France	
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106. In the figure, ABCDEFGH is a regular octagon. What fraction of the area is shaded?



107. In the figure there are two rectangles ABCD and DEBG, each of length 7cm and width 3cm. The area of shaded region in cm^2 , is appropriately

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111. What is the difference between average production (in lakh tones) of paper of the six companies in 2008 and average production of the same companies in 2007?

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	a) 8.33	b) 8.73	c) 9.17	d) 7.86		
112.	The percentage increase in production by company B from 2008 to 2009 is approximately					
	a) 7.7	b) 8.3	c) 9	d) 18.2		
113.	Which of the four percentage growt	companies A, B, C, an h from 2007 to 2008?	d F has recorded the	e maximum		
	a) A	b) B	c) C	d) E		
114.	Production of com is what percent of a) 106.73	ppany C in 2008 and p production of compa b) 126.67	roduction of compar iny D in 2009? c) 142.76	ny F in 2007 together d) 146.67		
445				TM		
115.	production for the a) A and B	e years 2008 and 2009 b) B and C	b is minimum? c) B and D	d) E and D		
116.	Unit's digit in 13 ²⁽ a) 1	⁰⁰³ is b) 3	c) 7C2012	d) 9		
117.	If $(6^{30} + 6^{-30}) (6^3)$	$(30 - 6^{-30}) = 3^{\circ} 8^{\circ} - 3^{\circ}$	8 [°] , them the value o	of A + B is		
	a) 30	b) 40	C) 60	a) 80		
118.	3. Define the operation * as A * B = $\frac{A+2B}{3}$, then the value of [(4 * 7) * 8] – [4 * (7 * 8					
	a) 0	b) $\frac{8}{9}$	c) $\frac{9}{8}$	d) $\frac{29}{9}$		
119.	Which is the large a) 10 ³⁰	st? b) (2 ¹⁰) ⁵	c) (5 ¹⁰) ²	d) (4 ⁵) ⁴		
120.	If $(2^{30} - 1) = 68 a 1$	19476735, where a is a	any digit, then the va	lue of a is		
	a) 1	D) 3	C) 5	a) /		
121.	When one liter of water is added to a mixture of acid and water, the new mixture contains 20% acid. When one liter of acid is added to the new mixture, the resulting mixture contains 33_3^1 % acid. The percentage of acid in the original mixture was					
	a) 20%	b) 22%	c) 24%	d) 25%		
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122.	A person bought 864 articles. He sold the 800. The percentage a) 7.5%	erson bought 864 articles and sold 800 of them for the price he paid for 864 cles. He sold the remaining articles at the same price per article as the other The percentage gain on the entire transaction is 5% b) 8% c) 8.5% d) 9%					
123.	Suppose x and y are then Y decreases by	inversely proportion	oortional and positive. If x increases by 10%,				
	a) 10%	b) $\frac{10}{11}$ %	c) 9 ¹ ₁₁ %	d) $\frac{1}{11}$ %			
124.	There is a hill behind of 1^1_2 km/hour, but wentire journey, the days 1^1_4	d a person's house valks down it at 4_2^1 listance, in km, fro b) 6	He walks up the to km/hour. If it takes m his house to the c) 6_4^3	op of the hill at a speed him 6 hours for the top of the hill is d) 9			
125.	A certain number of persons less, it woul number of persons i	persons can comp d have taken 10 da n the beginning wa	lete a work in 100 o ays more for the wo	days. If there be 10 ork to be completed. The			
	a) 90	b) 105	c) 110	d) 120			
126.	Let x be an odd natu divided by 4, it leave a) z = 3	ral number. If x is s remainder of z. N b) z = 5	divided by G, it leav Which of the follow c) z = 1	ves a remainder y. If y ² is ing must be true for x? d) z is even			
127.	When a number is divided by 2, 3, 4, 5 or 6, remainder in each case is 1. But the number is exactly divisible by 7. If the number lies between 250 and 350 the sum of digits of the number will be						
	a) 4	b) 5	c) 7	d) 10			
128.	Given the numbers :	2 ⁵⁵⁵ , 3 ³³³³ , 6 ²²²²	, These can be writt	ten in ascending order			
	a) 2^{555} , 3^{3333} , 6^{2222} c) 2^{555} , 6^{2222} , 3^{3333}	b), 3 d) 6	3 ³³³³ , 2 ⁵⁵⁵ , 6 ²²²² ²²²² , 2 ⁵⁵⁵ , 3 ³³³³				
129.	The prime number 1 numbers. Then the v	The prime number 1999 can be written as $a^2 + b^2$, where a and b are natural numbers. Then the value of $a^2 + b^2$ is					
	a) 1998000	b) 1998001	c) 1999000	d) 1999001			
130.	HCF of two numbers numbers	each of 4 digits is	203 and their LCM	is 19261. Sum of the			
	a) 2884	b) 2488	c) 4288	d) 4882			
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131.	The value of $\sqrt[3]{\frac{4}{9}} - \sqrt[3]{\frac{2}{9}} + \sqrt[3]{\frac{1}{9}}$ is					
	a) $\frac{1}{\sqrt[3]{3}}$	b) ∛ 3	c) $\frac{\sqrt[3]{3}}{\sqrt[3]{2}+1}$	d) $\frac{3}{\sqrt[3]{2+1}}$		
132.	The value of $\sqrt{2 + \sqrt{3}}$ a) $\sqrt{6}$	+ $\sqrt{2 - \sqrt{3}}$ is b) 6	c) 2√2	d) 2√3		
133.	If $\mathbf{x} = \frac{1}{2} + \frac{1}{6} + \frac{1}{12} + \frac{1}{20} + \frac{1}{30}$ a) 1.1	$+\frac{1}{42}+\frac{1}{56}+\frac{1}{63}$, the b) 1	n value of $\frac{1}{x}$ is closest c) 0.9	t to d) 0.8		
134.	The expression 64 ^{xxxx} a) 8	× 32 ^{xxxx} is equal t b) 24	to c) 32	d)64		
135.	The number of zeros in the value of $(10^{50} - 1)^2$ is					
	a) 99 b)	98	c) 51	d) 49		
136.	A sum of money at simple interest amounts to Rs. 14, 160 in 3 years. If the rate of					
	interest is increased to 25%, the same sum amounts to Rs. 14, 700 in the same					
	time. The rate of intere	est is				
	a) 5% b)	52%	с) 6%	d)/%		

Directions (137 – 140) : Read the following table and answer questions

City	Percentage population below poverty	Ratio of total number of males (M) and fomales (F)			
		Below poverty line M : F	Above powerty line M : F		
٨	18	5:4	3:2		
8	14	3:4	5 7		
C	25	2:3	4:5		
D	22	5:6	3:2		
E	10	3:2	6:5		
P	18	4:05	2:3		

137. If the population of females below poverty line in city D is 24000, then the population of males above poverty line in that city is:
a) 62400 b) 70000 c) 93600 d) 130000

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- 138. If the total population of city A is 300000, then the difference of number of males below poverty line and number of females above poverty line in this city is a) 54000 b) 68400 c) 74400 d) 93600
- 139. If the total population of city B and city C is 500000 and 350000 respectively, the ratio of number of females below poverty line in B and C is a) 16:21 b) 28:35 c) 6:7 d) 7:6
- 140. If the population of males below poverty line in city F is 32000 and that in city E is 39000, then what percent of total population of E is total population of F? a) 90.28% b) 82.05 c) 71.45 d) 61.54

TN

ANSWERS

VERS			4			yenna			
1. b	2. c	3. a	4. d 🔿	5. d	6. b 🌔	7. d	8 d.	9. c	10. a
11. c	12. b	13. d	14. a	15. c 🧹	16. a	17. c	18. d	19. a	20. c
21. b	22. d	23. с	24. c	25. d	26. b	27. a	28. с	29. d	30 b.
31. c	32. a	33. c	34. b	35. d	36. a	37. d	38. b	39. c	40. a
41. d	42. a	43. c	44. a	45. d	46. c	47. d	48. c	49. c	50. c
51. d	52. b	53. d	54. c	55. a	56. a	57. d	58. b	59. d	60. d
61 c.	62. a	63. d	64. c	65. d	66. b	67. c	68. b	69. d	70. c
71. a	72. d	73. b	74. a	75. c	76. a	77. d	78. c	79. d	80. d
81. d	82. a	83. c	84. b	85. d	86. b	87. d	88. a	89. c	90. b
91. c	92. b	93. c	94. a	95. c	96. a	97. d	98. c	99. c	100. 4
101. c	102. b	103. d	104. b	105. d	106. d	107. a	108. b	109. d	110. c
111. с	112. a	113. с	114. b	115. d	116. c	117. d	118. b	119. b	120. a
121. d	122. b	123. c	124. с	125. с	126. c	127. a	128. b	129. b	130. a
131. c	132. a	133. a	134. c	135. d	136. c	137. c	138. b	139. a	140. d

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