## **Career Infowis Institute**

Class 6th

All Indian Sainik School Entrance Examination

Max Marks: 200 Time Allowed: 2hr

## English

**Directions**—(1–5) Produce the correct sentence.

- 1. P. through the long, hot summer
  - Q. if you plan to train hard
  - R. continually
  - S. you will need to acclimatise yourself
  - (A) QPRS
- (B) SRPQ
- (C) QRSP
- (D) PQRS
- 2. P. it becomes difficult
  - Q. satisfying our desire
  - R. but once we set about
  - S. if not impossible to restrain them
  - (A) RQPS
- (B) ROSP
- (C) QRPS
- (D) PQRS
- 3. P. when a chemical substance
  - Q. in the food preparations
  - R. the food poisoning occurred
  - S. was mistaken for salt and used
  - (A) ROPS
- (B) SROP
- (C) QPSR
- (D) PSRQ
- 4. P. will normally be granted
  - Q. candidates should note
  - R. that no request for
  - S. change of centre (A) PSOR
- (B) SPQR ·
- (C) QRSP
- (D) RSPQ
- 5. P. to dispose of the waste matter
  - Q. the modernization would reduce
  - R. provide better sanitary facilities
  - S. manual labour considerably and would also
  - (A) QSRP
- (B) SRPQ
- (C) RPQS
- (D) PQSR

**Directions**—(Q. 6–10) Choose the exact meaning of the Idioms/Phrases.

- 6. Oily Tongue:
  - (A) flattery
- (B) hungry person
- (C) strong critic
- (D) rich food
- 7. A snake in the grass:
  - (A) a very poisonous snake
  - (B) an unrecognizable enemy

- (C) a secret agent
- (D) not a reliable person
- 8. At Sea:
  - (A) to travel by boat
- (B) to confuse others
- (C) perplexed
- (D) to incite others
- 9. To scale up:
  - (A) to measure
- (B) to discuss
- (C) to divide
- (D) to deliver
- 10. To see red:
  - (A) to find fault with
  - (B) to be very angry
  - (C) to criticise others
  - (D) to victimise someone

**Directions**—(Q. 11-20) Fill in the blanks with correct options—

Without water ...(11)... animal can survive. In desert regions the greatest ...(12)... to life is drying up. But many creatures are able to make use of ...(13)... little water that exists in arid areas. One of nature's masterpieces ...(14)... creatures equipped to ...(15)... with desert life is the hardy camel. Stories range the desert lands for and wide about ...(16)... endurance feats by camel. It is said that camels can ...(17)... a distance of about 800 miles in eight days through continuous travel ...(18)... an intake of a single drop of water. The popular ...(19)... that camels store water in the humps is ...(20)... in a way, water is indeed stored there but in the form of fat.

- 11. (A) every
- (B) no
- (C) any
- (D) desert
- 12. (A) need
- (B) threat
- (C) worry
- (D) inadequacy
- 13. (A) what
- (B) the
- (C) very
- (D) that
- 14. (A) for
- (B) about
- (C) among
- (D) with
- 15. (A) live
- (B) resist
- (C) bear
- (D) cope
- 16. (A) remarkable
- (B) little
- (C) obvious
- (D) popular
- 17. (A) cover
- (B) lead
- (C) feach
- (D) reduce

18.	(A)	for	(B)	without	35.	More	ose:				
	(C)	accept	(D)	receive		(A)	healthy		18 19 19	loomy	
19.	(A)	proverb	(B)	guess		(C)	haggard		(D) cl	heerful	
	(C)	belief	(D)	version	5727		ctions-(Q. 3	36–40)	Choos	e the Sy	nonym of
20.	(A)	baseless	(B)	wrong			wing words.				
		misleading	(D)	correct	36.		argy:	•	(D) 1:		2
	Dire	ctions—(O. 2	1-25) One	of the words is mis-		1	serenity			stlessnes	S
spel		d it out.	T 0000 € 5000,000				impassivity		(D) la	ixity	
21.	(A)	supercilous	(B)	parliament	37.		tract:		(D)		
	(C)	benefactor	(D)	testament			tract			xpand	
22.	(A)	elaborate	(B)	thoroughness		11, 11,00	give .		(D) a	bridge	
	(C)	therapy	(D)	insitability	38.		pendium:		(D) :		
23.	(A)	situation	(B)	municipal			summary		(B) ii		
	(C)	contensione	(D)	pituitary			reference		(D) g	lossary	
24.	(A)	twelth	(B)	programme	39.		matic:		(D) 6		
	(C)	cunning		embarrassment			crippled			ragrant tinking	
25.	(A)	heavenily	(B)	trumpery	5.5		sentimental		(D) S	unking	
	(C)	scientific		sovereign	40.	Doc			<b>(D)</b>	.1.	
				se the antonym of the			vague		(B) g		
folle		g words.	0 55) 01100	or the unionym or the			stupid	70 1227		tubborn	
26.	Ang	er:					ections - (Q. 4				
		party	(B)	happiness	41.		who knows n				
	(C)	approval	(D)	love		1.70	dipsomaniac			nisogami	St
27.	Out	wit:				(C)	misogynist		A253 84 75	olygot	
	(A)	laugh	(B)	victory	42.		who loves m				
	(C)	defeat	(D)	win		20 20	philanthropis	st		narchist	
28.	Extr	overt:			1.545010	10000000	parasite		038 5	ersatile	
	(A)	boaster	(B)	mixer	43.		who eats hun	nan fles			
	(C)	introvert	(D)	social		20.00	oculist		(B) t	annibal	
29.	Virt	uous :					drover			HEIST	
	(A)	vicious	(B)	vulgar	44.		who does no	t drink '			litan
	(C)	miserly	(D)	insincere		, ,	centenerian			osmopo olunteer	
30.	Mil	itant :					teetotaller		8 6		
	(A)	religious	(B)	spiritual	45.		who is new t mimic	o a proi		ockey	
	(C)	combative	(D)	pacifist			novice			neretic	
31.	Late	ent:			46		lace where me	onev is			
	(A)	hidden	(B)	forbidding	40		barrack	onej is		lowar	
		obvious		artificial			mint			sheath	
32.	Baf	fle :			47		nedicine to co	unterac	t the po	ison—	
	(A)	make way	(B)	thwart	1,		antiseptic			anaesthe	tic
		confuse		check			antidote			immune	
33.	Cyr	nical:			48		e from infect-				
		mature	(B)	naive	10		sheath		(B)	panacea	
		eccentric		crazy			immune			antidote	
34.	Mal	levolent:			49	. A c	ollection of fl	ags—		•	
		kindly	(B)	vacuous			bunting	_	(B)	fleet	
	(C)			primitive			hamlet		(D)	brewery	

50.	The art of effectiv	e speaking—	62.	Cab	inet Mission came to	India	in the year-	
	(A) anatomy	(B) chromatics			1946		1942	
	(C) elocution	(D) epitaph		(C)	1945	(D)	1940	
	General Knowledge		63.		lim League was four		1973	
				335	1900		1905	
51.	Black forests are f			(C)	1906	(D)	1902	
	<ul><li>(A) France</li><li>(C) Czechoslova</li></ul>	(B) Germany kia (D) Romania	64.		nation of ozone hole			
		13 (15)			Africa		India	
52.		t irrigation canal in India cal	led?	(C)	Antartica	(D)	Europe	
	<ul><li>(A) Yamuna Car</li><li>(B) Sirhind Cana</li></ul>		65.		ere is 'Ground Zero'			
	(C) Indira Gandl				Greenwich		New York	
	(D) Upper Bari I			(C)	Indira point	(D)	Shriharikota	
52		following is not a port alor	66.		dquarters of UNO is	situat	ed at—	
33.	western coast of I		ig the	320	New York		Hague	
	(A) Nhava Sheva			(C)	Geneva	(D)	Paris	
	(C) Tuticorin	(D) Kochi	67.		among the following	ng is	referred to as 'D	esert
54.	The Iron and Stee	el Industry at which of the fo	ollow-	Fox		(D)	Communication of the communica	
		eveloped with German tecl		55 57	Lord Wavell		General Eisenho General MC Art	
	collaboration?				General Rommel			uiui
	(A) Durgapur	(B) Bhilai	68.		was the first Presid			
	(C) Rourkela	(D) Bhadravati		200	George Washington James Monroe		Abraham Linco	
55.		es water from which of the fo		, ,		3. 6		
	ing rivers?	(D) Phagirathi	69.	The as-	government of Ind	ia Aci	t, 1919 is also ki	nown
	<ul><li>(A) Alaknanda</li><li>(C) Gandak</li></ul>	(B) Bhagirathi (D) Ghaghra			Morley-Minto Refe	orms		
5.0	* *	. , .	fum als		Montague-Chelms		eforms	
56.	book'?	ollowing was the author of '	lungie	20. 20.	Regulating Act			
	(A) Ruskin Bond	d (B) Jim Corbett		(D)	Pitts India Act			
	(C) G.B. Shaw	(D) Rudyard Kiplin	ng 70.	Wh	o among the follo	wing	visited Gandhi	Ji in
57.	Which from the f	following rivers does not ori	ginate	South Africa?				
	in Indian territory			200	Bal Gangadhar Til			
	(A) Mahanadi	(B) Brahmaputra			Vallabhabhai Patel			
	(C) Ravi	(D) Chenab		(C)	•	knale		
58.	The first and last	Indian Governor General of			Jawaharlal Nehru			
	was—				Intensity of Earthqu			-
	(A) W.C. Baner	**************************************	tten	, ,	Barometer		) Hydrometer ) Seismograph	
	remain the second second second	a Prasad (D) Rajgopal		10000	Polygraph	0.00		41-
59.		in the world is Greenland.	it is an 72		ne the recipient ngeshkar award?	of th	e 2017 Hriday	anatn
	integral part of— (A) Norway	(B) U.S.A.			Salim Khan	(B	) Javed Akhtar	
	(C) Denmark	(D) Canada		, ,	Anu Malik		Anu Kapoor	
60	A A South Control of the Control of	USA is situated on the bank	of the 73		ose birth anniversa	102 003	N 5	erna-
00.	river—	ODT IS SITUATED ON THE DAIM	or the 75		al Day of non violer			
	(A) Ohio	(B) Tennessee		(A)	Mahatma Gandhi	(B	) Adolf Hitler	
	(C) Yukon	(D) Potomac		(C)	Mother Teresa	(D	) Rajiv Gandhi	
61.	Who was the Fir	rst speaker of Independent l	India's 74	. Na	me the world's lan	gest	nuclear powered	l ice-
	Lok Sabha?				aker ship?		1000	
	(A) Hukam Sing		-	2000	Sibir	0.5%	) Siberia	
	(C) Rabi Ray	(D) G.V. Mavalan	kar	(C)	Sib	(D	) Serb	

13.	(A) Five	(B) Four	(A) Raipur (B) Ranchi
	(C) Three	(D) Six	(C) Patna (D) Jabalpur
76.	The study of coins is calle (A) Archaeology	ed— (B) Hostoriography	<ul><li>90. Which Indian state is bordered by Bangladesh from three sides?</li><li>(A) Nagaland (B) Tripura</li></ul>
	(C) Numismatics	(D) Epigraphy	(C) Manipur (D) Assam
77.	When is the infantry day of (A) October 25 (C) October 26	(B) October 27 (D) October 29	91. The Rohingya are the minorities of which country?  (A) South Africa (B) Canada (C) Myanmar (D) Bhutan
78.	India has sent the first sl the chabahar port to which (A) Iran	nipment of wheat through a country?  (B) Saudi Arabia	92. We ideally sing National Anthem in Seconds.  (A) 50 (B) 52  (C) 54 (D) 53
	(C) Afghanistan	(D) Pakistan	93. Which Insect is also known as 'White Ant'?
79.	superseries Badminton Me		(A) Beetle (B) Grasshopper (C) Tempte (D) Locust
80	<ul><li>(A) Kidambi Srikanth</li><li>(C) Dhruv Kapila</li><li>Where is the National Def</li></ul>	(B) Rohan Kapoor (D) Tarun Kona	94. Palk Strait connects India to which country?  (A) Sri Lanka (B) Mauritius (C) Bangladesh (D) Pakistan
80.	(A) Khadakvasla (C) Dehradun	(B) Gaya (D) Chennai	95. The DRDO has successfully test fired which Anti- Tank Guided Missile (ATGM)?
81.	Which Country is separate line?		(A) Agni (B) Nag (C) Paras (D) Vish
0.5	(A) China (C) Pakistan	(B) Nepal (D) Bhutan	96. When is Army day celebrated?  (A) October 15 (B) January 15 (C) November 15 (D) December 15
82.	The most abundant gas in (A) Carbon dioxide	atmosphere is ? (B) Nitrogen	97. Name the first female refree who officiated in match
	(C) Oxygen	(D) Helium	at FIFA U-17 world cup?
83.	Name the first Indo-Rus	ssia Tri-Services military	<ul><li>(A) Violet Palmer</li><li>(B) Amy Fearn</li><li>(C) Bibiana Steinhaus</li><li>(D) Esther Staubei</li></ul>
	exercise ? (A) INDRA	(B) VAYU	98. Where was the 5th Joint Military Exercise 'Mitra
	(C) VARUN	(D) HAWA	Sakti 2017' between India and Sri Lanka was held?  (A) Pune  (B) Kochi
84.	Name the Sri Lankan P	ort city where India will	(C) Colombo (D) Hyderabad
	launch housing projects? (A) Colombo	(B) Hambantota	99. The longest river of Peninsular India is—
	(C) Jaffna	(D) Point Pedro	(A) Narmada (B) Godavari (C) Mahanadi (D) Kaveri
85.	Who is president of India (A) Arun Jaitley	(B) Rajnath Singh	100. A person wants to visit the national parks in Ranthambore, Gir and Bandipur located in three
96	(C) Pranav Mukherjee	(D) Ram Nath Kobind	different states of India. To which one of the following states he need not go in this connection?
00.	Name the Vice Chairman (A) Rajiv Kumar	(B) Amit Shah	(A) Gujarat (B) Madhya Pradesh
	(C) Arvind Panagriya	(D) Narendra Modi	(C) Rajasthan (D) Karnataka
87.	Indian Air force has succolopment trials of which m	issile?	Mathematics/Intelligence Test
	(A) VEESTA (C) ASTRA	(B) TEESTA (D) ALPHA	101. The value of $(-1)^7$ is— (A) -7 (B) +7
88.	Lucknow, The Capital of on the bank of river—	37 950 - 000000	(C) -1 (D) +1 102. Place value of 2 in 1·321 is—
	(A) Ganga	(B) Yamuna	(A) 2·0 (B) 0·2
	(C) Gomti	(D) Saryu	(C) 0·02 (D) 20·0

103.	40% of 50 is—		116.		es between 180° and 360°
	(A) 40 (C) 30	(B) 20 (D) 50		is called— (A) Acute angle	(B) Straight angle
	100 to 10	(D) 30		(C) Reflex angle	(D) Right angle
104.	Square root of $7\frac{1}{9}$ is—		117.		here in three right angles?
	(A) $2\frac{1}{3}$	(B) $3\frac{2}{3}$		(A) 360°	(B) 90°
		5	110	(C) 270°	(D) 180°
	(C) $8\frac{1}{9}$	(D) $3\frac{3}{4}$	118.	is— (A) 180°	aplementary angle to itself
105.	The successor of – 4000	is—		(C) 45°	(B) 90° (D) 135°
	(A) -5999	(B) – 3999	119.	5 A 23	e $x^{\circ}$ , $2x^{\circ}$ and $3x^{\circ}$ , then tri-
VIII VIII VIII VIII VIII VIII VIII VII	(C) 3999	(D) 5000		angle is—	on, and on, month
106.	The ratio of 20 minutes t			(A) Acute angled triang	
	(A) 3:1	(B) 1:3		(B) Obtuse angled triangle	5000
107	(C) 20:1	(D) 1:20		<ul><li>(C) Right angled triangl</li><li>(D) None of the above</li></ul>	e
107.	The value of $1 + 1 - 1 \times (4)$		120	Sum of all angles of a tri	angle is_
	(A) 0 .	(B) 1	120.	(A) 90°	(B) 360°
100	(C) 2	(D) 3		(C) 180°	(D) 270°
108.	The average of all prime 100 is—	e number between 80 and	121.	Supplement of angle is 9	times to it, the angle is-
	(A) 85·67	(B) 89·67		(A) 9°	(B) 18°
	(C) 93·67	(D) 95·27		(C) 27°	(D) 36°
109.	A candidate who gets 220	0 marks, fails by 11 marks.	122.		ve odd number is 16, then
	[1881] [1882] THE THE SECTION OF TH	. The pass percentage is—		number are—	
	(A) 20	(B) 33		(A) 11,5	(B) 13,3
	(C) 40	(D) 25		(C) 9,7	(D) 16,0
110.		total money, Guddu has total money Guddu has—		$\left(x+\frac{1}{x}\right)^2-4$ is—	
	(A) ₹ 500	(B) ₹ 600		(A) $x^2 + \frac{1}{x^2} - 4$	(B) $x^2 + \frac{1}{r^2}$
	(C) ₹400	(D) ₹ 700		X	~
111.	If $a = 2b = 3c = 12$ , then	$a^2 + b^2 + c^2$ is equal to—		(C) $\left(x-\frac{1}{x}\right)^2$	(D) $x^2 - \frac{1}{x^2}$
	(A) 180	(B) 196	124.	If $x^2 + 6x + 8$ is divided	by $(x + 2)$ , then remainder
	(C) 200	(D) 220		is—	-, ( -,,
112.	$(a+b)(a^2-b^2) =$			(A) - 2	(B) 2
	(A) $(a+b)^2(a-b)$			(C) 0	(D) 6
	(B) $(a^2-b^2)(a^2+b^2)$		125.		ectangular field are $(x + y)$
	(C) $(a^3b^3)(a-b)^2(a+b^2)$	b)		and $(x - y)$ , then its area if	
	(D) None of the above			(A) $x^3 + y^3$ (C) $(x + y)^2$	(B) $x^2 - y^2$ (D) $(x + y)^3$
113.	The product of $(1-3x)$ a	$1 - 3x + 9x^2$ is—	106	COURTS DESCRIPTION OF	
	[발발: 1985년 - 발발: 1985년 - 일반: 1985년 1985년 -	(B) $1 + 9x^2$	120.	the digit 2 in the numeral	ce value and face value of
	(C) $1 - 27x^3$	(D) $1 + 27x^3$		(A) 20,000	(B) 2
114.	Sum of $(a + 5)$ , $(9 - 2a)$	and $(a + 15)$ is—		(C) 19,998	(D) None of these
	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	(B) 29	127.	When one is added to	the greatest four digit
	(C) $a-29$	(D) $a + 29$		number, the result is-	
115.	•	$ab^2c$ by $2ac$ , then quotient		(A) Smallest 4 digit num	
	is— (A) 2b(1 + 2b)	(D) 21(2 · 1)		(B) Smallest 5 digit num	
	(A) $2b(1+3b)$ (C) $3(2+3b)$	(B) $3b(2+b)$		(C) Greatest 4 digit num	
	(C) 3(2 + 30)	(D) None of these		(D) Greatest 5 digit num	DEI

128.	represents the number ei	ch one of the following ght?	141.	Which of the following r (A) 1011011	numbers is divisible by 11? (B) 1111111
	(A) (III)	(B)		(C) 22222222	(D) 33333
	(C) N N	(D) IN III	142.	Roman numeral for 49 is	s—
129.	When rounded off to nea	rest thousands, the number		(A) XXXXIX	(B) XLIX
	85642 is—			(C) LXIX	(D) XCIX
	(A) 85600	(B) 85700	143	Which of the following	2001 10 10 20 20
	(C) 85000	(D) 86000	110.	(A) $1 \text{ km} = 1,00,000 \text{ cm}$	
130.	One million is equal to-	-		(B) 1 liters = 1000 milli	
	(A) 1 lakh	(B) 10 lakhs		(C) 100 hectare = 1 sq.	
	(C) 1 crore	(D) 10 crores		(D) $1 \text{ m}^2 = 1000 \text{ dm}^2$	
131.	The successor and prede	cessor of 999 respectively		1921 (1)	
151.	is—	records of yyy tespectively	144.	$\frac{4}{50} = ?$	
	(A) 1000,998	(B) 998, 1000		(A) 0·450	(B) 0·4
	(C) 1000, 999	(D) None of these		(C) 0·50	(D) 0·08
132	The product of a non ze	ero whole number and its	145	$1.07 \times 65 + 1.07 \times 26 +$	An Anna Carlo
152.	successor is always—	oro whole number and its	145.		
	(A) An even number	(B) An odd number		(A) 10·73	(B) 10·7
	(C) A prime number	(D) Divisible by 9		(C) 107	(D) 1·07
133	Which of the following s	100 EV	146.	0.7499 lies between—	
155.	(A) $0 + 0 = 0$	(B) $0 - 0 = 0$		(A) $0.7$ and $0.74$	(B) 0.75 and 0.79
	(C) $0 \times 0 = 0$	(D) $0 \div 0 = 0$		(C) 0.749 and 0.75	(D) 0·7492 and 0·75
104	Accept of the Control	A STATE OF THE STA	147.	0.07 + 0.005 is equal to-	
134.	Number of even number			(A) 0·15	(B) 0·015
	(A) 10	(B) 11		(C) 0·075	(D) 0·75
	(C) 12	(D) 13	148.	If $615 + (222 + 38) = (6$	615 + 222) + 38. The pro-
135.		imes between 16 to 80 and		perty used is-	pole duch stational residencia di sono de l'emperic de di sono de disposició de disposició de de l'emperic de
	90 to 100 is—	(D) 10		(A) Closure property	
	(A) 20	(B) 18		(B) Commutative prope	erty
	(C) 17	(D) 16		(C) Associative property	y
136.	Which of the following s			(D) Distributive propert	у
	(A) The HCF of two dis		1.40	1	
	(B) The HCF of two co	. ■ 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	149.	When $\frac{1}{4}$ is written with o	lenominator as 12, then its
		secutive even numbers is 2		numerator is -	
	(D) The HCF of an ever	and odd number is even		(A) 3	(B) 6
137.		orime factors of the largest		(C) 24	(D) 12
	4 digit number is—	(T) A	150	Th	
	(A) 2	(B) 3	150.	The two consecutive into	egers between which $\frac{3}{7}$ lies
	(C) 5	(D) 11		are—	
138.		98 is divisible by 22, the		(A) 5 and 6	(B) 0 and 1
	digit at * is-			(C) 6 and 7	(D) 1 and 2
	(A) 1	(B) 2	151	The freetien which is no	$t = \frac{4}{100}$
	(C) 6	(D) 0	131.	The fraction which is no	t equal to 5 is—
139.	Which of the following p	pairs is not co prime?		(A) $\frac{40}{50}$	(B) $\frac{12}{15}$
	(A) 8, 10	(B) 11, 12		(A) 50	(B) 15
	(C) 1,3	(D) 31, 33		(C) $\frac{16}{20}$	(D) $\frac{9}{15}$
140.	L.C.M. of two numbers	is 180. Then which of the		20	15
	following is not the HCF		152.	A parallelogram has	lines of symmetry.
	(A) 45	(B) 60		(A) 2	(B) 1
	(C) 75	(D) 90		(C) 0	(D) 3
				NO. 81 1	935 WEEK

153	Which of the following alphabets has both horizontal as well as vertical line of symmetry?  (A) S  (B) A		165.	5. Kirti had seven tenth of the pizza and her younger brother had two tenth of pizza. How much pizza is still lift?		
	(C) H	(D) V		(A) $\frac{1}{5}$	(B) $\frac{3}{5}$	
154	Which inequality below	is true ?			(-) 5	
	(A) $\frac{11}{25} < 0.04$	(B) $\frac{2}{20} > 0.13$		(C) $\frac{1}{10}$	(D) None of these	
	(C) $\frac{3}{50} = 6\%$	20	166.	Compute 5555 + 6666 -	- 8888 <i>-</i> 2222 <i>-</i>	
	(C) $\frac{1}{50} = 6\%$	(D) None of these		(A) 1001	(B) 1221	
155.	The average of first 50 n	natural numbers is -	167	(C) 1111	(D) 1011	
	(A) 25·30	(B) 25·5	10/.	are respectively—	s, then their LCM and HCF	
	(C) 25·00	(D) 12·25		(A) 1 and $xy$	(B) xy and 1	
156.	Evaluation of $8^3 \times 8^2 \times 8^2$	8 <sup>-5</sup> is—		(C) $\frac{x}{y}$ and 1	(D) 1 and $\frac{x}{y}$	
	(A) 1	(B) 0		y and I	(D) I alld y	
	(C) 8	(D) None of these	168.	The following figures	are formed by joining six	
157.	$106 \times 106 - 94 \times 94 = ?$			ter—	are has the smallest perime-	
	(A) 2004	(B) 2400				
	(C) 1904	(D) 1906		1.		
158.	thrice at 3 o'clock and so it strike in 24 hours?	o'clock, twice at 2 o'clock o on. How many times will				
	(A) 78	(B) 136		2.		
	(C) 156	(D) 300				
159.	Which of the following added to its own square?	number gives 240 when?				
	(A) 15	(B) 16		3.		
	(C) 18	(D) 20				
160.	Which of the following integer?	does not have solution in				
	(A) $x + 1 = 1$	(B) $2x - 1 = 3$		4.		
	(C) $2x + 1 = 6$	(D) $1 - x = 5$		(A) 1		
161.	Number of faces in a cub	oical shape table is—		(A) 1 (C) 3	(B) 2	
	(A) 12	(B) 6			(D) 4	
	(C) 8	(D) 10	109.	will the new perimeter	10 cm. How many times becomes if the side of the	
162.	Which figure has no line	of symmetry ?		square is doubled?		
	(A) Circle			(A) 2 times (C) 6 times	(B) 4 times	
	<ul><li>(B) A scalene triangle</li><li>(C) An isosceles triangle</li></ul>				(D) 8 times	
	(D) An equilateral triang			A tetrahedron is a pyram (A) Triangle	(B) Square	
163	Number of radii a circle of	•		(C) Rectangle	(D) Quadrilateral	
105.	(A) 1	(B) 2			36 spokes, then the angle	
		(D) Infinite		between a pair of adjaces	_	
164.		6 hours in which he took		(A) 10° (C) 20°	(B) 15° (D) 12°	
	break for an hour. How	w much distance he will			nt angles does the minute	
	cover if he travels for 8 h	•		hand moves between 8:0	0 am and 10:30 am ?	
		(B) 360 km		(A) 8	(B) 9	
	(C) 336 km.	(D) 368 km		(C) 10	(D) None of these	

173.	3. Two numbers are in the ratio 3:5 and their sum is 96. The larger number is—			Choose the correct alternative from the given ones that will complete the series.			
	(A) 36	(B) 42	186.	0, 2, 6, 12, ?, 30, 42			
	(C) 60	(D) 70		(A) 18	(B)	20	
174.		ws of chairs and each row		(C) 22	(D)	24	
		total number of chairs in	187. 5, 7, 11, 19, 35, 67, ?, 259				
	the room is—	(B) 2-4		(A) 119	(B)	89	
	(A) $2x^3$	(B) $2x^4$		(C) 212		131	
	(C) $\frac{x^4}{2}$	(D) $x^4$	188.	33, 28, 24, ?, 19, 18			
175	Line segment joining the	vertices to the mid points		(A) 21	(B)	23	
1,5.		triangle are known as—		(C) 17	(D)		
	(A) Altitude	SS (1	190	6, 10, 18, 34, ?	(-)		
	(B) Perpendicular bisec	tor	107.	(A) 66	(B)	56	
	(C) Angle bisectors			(C) 42	(D)		
	(D) Medians	(4)		AND DE	(D)	03	
		0) In the questions given	190.	4, 8, 12, 24, 36, ?			
		hich one term is missing.		(A) 40	(B)		
	complete the series.	e from the given ones that		(C) 76	(D)		
	DF, GJ, KM, NQ, RT, ?			Directions—(Q. 191–20			
170.	(A) UX	(B) UW		w, select the related letten alternatives.	rs/wo	ras/numbers from the	
	(C) YZ	(D) XZ	_	Volume : Litre :: Area :	?		
177.	CX, FU, IR, ?, OL, RI			(A) Hectare		Degree	
	(A) LO	(B) MN		(C) Radian		Newton	
	(C) NO	(D) OP	192.	Candle: wax:: Paper:	?		
178.	OTE, PUF, QVG, RWH	N N		(A) Wood		Tree	
	(A) SYJ	(B) TCI		(C) Bamboo	(D)	Pulp	
	(C) SXJ.	(D) SXI	193.	Wimbledon Trophy: To	ennis	:: Walker's cup : ?	
179.	EAC, GCE, IEG, ?			(A) Hockey		Polo	
	(А) ЈНІ	(B) JGI		(C) Golf	(D)	Wrestling	
	(C) KGI	(D) KIJ	194.	Producer : Film :: Author	or : ?	5392	
180.	EJO, TYD, INS, XCH, ?	N		(A) Food	(B)	Newspaper	
	(A) NRW	(B) MRW		(C) Book	(D)	Poem	
	(C) MSX	(D) NSW	195.	Pen: Author:: sword:	?		
]	Directions -(Q. 181-185	i) In each of the following		(A) Carpenter	(B)	Warrior	
quest	tion, find the odd word fro	om the given alternatives.		(C) Tailor	(D)	Farmer	
181.	(A) Black pepper	(B) Chilli	196.	Eye: Myopia:: Teeth:	?		
	(C) Salt	(D) Coriander		(A) Pyorrhoea	(B)	Cataract	
182.	(A) Mica·	(B) Zinc		(C) Trachoma	(D)	Eczema	
	(C) Chlorine	(D) Aluminium	197.	Ottawa: Canada:: Can	perra :	: ?	
183.	(A) Table	(B) Chair		(A) Argentina	(B)	Switzerland	
	(C) Cupboard	(D) Computer		(C) Sri Lanka	(D)	Australia	
184.	(A) Red	(B) Pink	198.	Race : Fatigue :: Fast : '	?		
	(C) Blue	(D) Yellow		(A) Hunger	(B)	Sleep	
185.	(A) Bat	(B) Spider		(C) Energy	(D)	Disease	
	(C) Mosquito	(D) Butterfly	199.	Virology : Virus :: Ento	molo	gy:?	
]	Directions - (Q. 186-19	0) In the questions given		(A) Insects		Animals	
belov	w, a series is given in whi	ch one number is missing.		(C) Fungi	(D)	Fishes	

200. Genuine: Authentic:: Mirage:?

(A) Image (B) Transpiration

(C) Reflection (D) Illusion

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97. (D) Ester Staubee

98. (B) Kochi

99. (B) Godavari

100. (B) Madhya Pradesh

101. (C) 
$$(-1)^7 = -1$$

As 7 is the odd power on (-1).

102. (C) ·02

Place value of 2 in 1.321.

103. (B) 40% of 50 = 
$$\frac{40 \times 50}{100}$$
  
= 20

104. (\*) 
$$\sqrt{7\frac{1}{9}} = \sqrt{\frac{64}{9}}$$
  
=  $\frac{8}{3}$   
=  $2\frac{2}{3}$ 

105. (B) Successor of 
$$-4000$$
 is  $= -4000 + 1$   
 $= -3999$ 

106. (B) 20 minutes: 1 hour

= 20 minutes : 60 minutes = 1 : 3

107. (B) 
$$1+1-1\times 1 \div 1 = 2-1\div 1$$
  
=  $2-1=1$ 

108. (B) Prime numbers between 80 and 100 are 83, 89 and 97.

Average = 
$$\frac{83 + 89 + 97}{3}$$
  
=  $\frac{269}{3}$  =  $89.67$ 

109. (B) Pass marks = 
$$220 + 11$$
  
=  $231$   
Pass percentage =  $\frac{231 \times 100}{700}$   
=  $33\%$ 

110. (A)

$$100 - 40 = 60$$

Total money in Guddu's pocket = 
$$\frac{100 \times 300}{60}$$

= ₹ 500  
111. (B) Given, 
$$a = 2b = 3c = 12$$
  
∴  $a = 12; b = 6; c = 4$ 

$$a^2 + b^2 + c^2 = 12^2 + 6^2 + 4^2$$
  
= 144 + 36 + 16

112. (A) 
$$(a + b) (a^2 - b^2) = (a + b) (a + b) (a - b)$$
  
=  $(a + b)^2 (a - b)$ 

113. (C) 
$$(1-3x)(1+3x+9x^2) = 1-(3x)^3$$
  
=  $1-27x^3$ 

114. (B) 
$$(a + 5) + (9 - 2a) + (a + 15)$$
  
=  $a + 5 + 9 - 2a + a + 15$ 

$$= 5 + 9 + 15$$

115. (A) 
$$(4abc + 12ab^2c) \div 2ac = \frac{4abc}{2ac} + \frac{12ab^2c}{2ac}$$
  
=  $2b + 6b^2$   
=  $2b(1 + 3b)$ 

116. (C) Reflex angle

117. (C) 270°.

118. (C) 45°.

119. (C) 
$$x + 2x + 3x = 180^{\circ}$$

$$6x = 180^{\circ}$$

$$x = 30^{\circ}$$

The engles are 30°, 60° and 90° respectively Hence the triangle is right angled triangle

120. (C) 180°

121. (B) Let the angle be  $x^{\circ}$ .

Its supplement =  $180^{\circ} - x^{\circ}$ 

Given, 
$$180^{\circ} - x = 9x$$

$$10x = 180^{\circ}$$

$$x = 18^{\circ}$$

122. (C) Let two consecutive odd numbers be x and x + 2.

$$\therefore x + x + 2 = 16$$

$$\therefore 2x = 16 - 2$$

$$\therefore \qquad 2x = 14$$

$$\therefore$$
  $x = 7$ 

Consecutive odd numbers are 7 and 9.

123. (C) 
$$\left(x + \frac{1}{x}\right)^2 - 4 = x^2 + \frac{1}{x^2} + 2 - 4$$

$$= x^2 + \frac{1}{x^2} - 2$$

$$=\left(x-\frac{1}{x}\right)^2$$

124. (C) 
$$x+2 \left[ x^2+6x+8 \right] x+4$$

$$\begin{array}{c} x^2 + 2x \\ - & 4x + 8 \\ 4x + 8 \\ - & - \end{array}$$

Remainder = 0

125. (B) Area of the given rectangular field

$$= (x+y)(x-y)$$
$$= x^2 - y^2$$

126. (C) Place value of 2 in 3124698 = 20000

Face value of 
$$2 = 2$$

Difference = 
$$20000 - 2$$
  
=  $19998$ 

- 127. (B) Smallest 5 digit number
- 128. (D)
- 129. (D) 86000
- 130. (B) 10 lakh
- 131. (A) 1000, 998
- 132. (A) an even number.
- 133. (D)  $0 \div 0 = 0$  is not true
- 134. (A) 10
- 135. (C) 17
- 136. (D)
- 137. (B) 3
- 138. (C) 6
- 139. (A) 8, 10
- 140. (C) 75
- 141. (C) 22222222
- 142. (B)
- 143. (D)  $1m^2 = 1000 dm^2$  is not correct
- 144. (D) 0.08
- 145. (C) 107
- 146. (\*) Option (C) or (D)
- 147. (C) 0.075
- 148. (C) Associative property
- 149. (A) 3
- 150. (B) 0 and 1
- 151. (D)  $\frac{9}{15}$
- 152. (C) 153. (C)
- 154. (C)  $\frac{3}{5} = 60\%$

155. (B) 
$$1 + 2 + 3 + 4 + 5 + \dots$$
 50 =  $\frac{50 \times 51}{2}$ 

Average = 
$$\frac{25 \times 51}{50} = \frac{51}{2}$$

156. (A)  $8^3 \times 8^2 \times 8^{-5} = 8^5 \times 8^{-5}$ 

157. (B) 
$$106 \times 106 - 94 \times 94 = 106^2 - 94^2$$
  
=  $(106 + 94)(106 - 94)$   
=  $200 \times 12$   
=  $2400$ 

- 158. (D) 300 times
- 159. (A) Let the number be x

- 160. (C) 161. (B) 162. (B) 163. (A)
- 164. (D) 6-1=5

Speed = 
$$\frac{230}{5}$$
 = 46 km/hr

Distance moved in 8 hrs =  $46 \times 8$ 

$$= 368 \text{ km}$$

165. (C) 
$$\left(1 - \frac{7}{10} - \frac{2}{10}\right) = \left(1 - \frac{9}{10}\right) = \frac{1}{10}$$

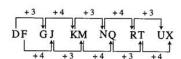
166. (C) 5555 + 6666 - 8888 - 2222

$$= 12221 - 11110$$
  
 $= 1111$ 

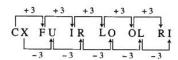
- 167. (B) xy and 1
- 168. (A) 169. (A)
- 170. (A) Triangle

171. (A) 
$$\frac{360^{\circ}}{36} = 10^{\circ}$$

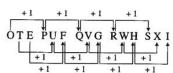
- 172. (B) 9
- 173. (C) 60
- 174. (B) 2x4
- 175. (D) Median
- 176. (A) UX



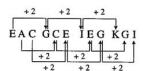
177. (A) LO



178. (D) SXI



179. (C) KGI



180. (B) MRW

- 181. (C) Salt
- 182. (C) Chlorine
- 183. (D) Computer

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188. (A) 21

33 - 5 = 28

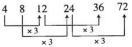
28 - 4 = 24

24 - 3 = 21

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184. (B) Pink	2
185. (A) Bat is a mammal	1
186. (B) 20	189. (A) 66
0+2=2	
2 + 4 = 6	10
6 + 6 = 12	18
12 + 8 = 20	34
20 + 10 = 30	190. (D) 72
30 + 12 = 42	4 8
187. (D) 131	
5 + 2 = 7	
7 + 4 = 11	191. (A) Hectare-
11 + 8 = 19	192. (A) <b>Wood</b> —I
19 + 16 = 35	193. (C) <b>Golf</b> —W
35 + 32 = 67	194. (C) <b>Book</b> —A
67 + 64 = 131	195. (B) Warrier-
131 + 128 = 259	196. (A) <b>Pyorrhoe</b>

$$21 - 2 = 19$$
  
 $19 - 1 = 18$ 

$$6+4 = 10$$
 $10+8 = 18$ 
 $18+16 = 34$ 
 $34+32 = 66$ 



- 191. (A) Hectare—Area is measured in Hectare (Unit).
- 192. (A) Wood-Paper is made of wood.
- 193. (C) Golf-Walker's cup is of Golf.
- 194. (C) Book-Author writes Book.
- 195. (B) Warrier-Sword is used by Warrier.
- 196. (A) Pyorrhoea—Pyorrhoea is a teeth disease.
- 197. (D) Australia—Canberra is the capital of Australia.
- 198. (A) Hunger—We feel hunger after fast.
- 199. (A) Insects—Entomology studies insects.
- 200. (D) Illusion From Mirage we feel illusion.