

THE WINNING EDGE DEFENCE ACADEMY (WEDA)

SAINIK SCHOOL – 9th – SET – E

ENTRANCE EXAMINATION (2024)

Instructions: Each question has four options. There is only one correct answer to each question. Choose the MOST APPROPRIATE option and darken/blacken the corresponding circle on the OMR Answer sheet.

SECTION – 'A': MATHEMATICS

1. If
$$\left(a^8 + \frac{1}{a^8}\right)\left(a^4 + \frac{1}{a^4}\right)\left(a^2 + \frac{1}{a^2}\right)\left(a + \frac{1}{a}\right)\left(a - \frac{1}{a}\right) = a^b - \frac{1}{a^b}$$
, Then value of b, is:

a) 8

b) 16

2. In a fruit store, there are $4\left(a^2-\frac{2}{3}\ b^2\right)$ boxes and in each box there are $\left(\frac{3}{4}a^2+3b^2\right)$ apples. How many apples are there in the store?

a)
$$3a^4 + 10a^2b^2 - 8b^4$$

b)
$$3a^4 + 12a^2b^2 + 8b^4$$

c)
$$12a^4 + 10a^2b^2 + 6b^4$$

b)
$$3a^4 + 12a^2b^2 + 8b^4$$
 c) $12a^4 + 10a^2b^2 + 6b^4$ d) $12a^4 + 12a^2b^2 - 6b^4$

3. If $x = \frac{4ab}{a+b}$, then the value of $\frac{x+2a}{x-2a} + \frac{x+2b}{x-2b}$, is:

d) $\frac{4ab}{(a+b)^2}$

4. If 8 is multiplied with 7 more than a number, it becomes the same as 15 is added to 3 times the same number. This can be represented by which of the following equations?

a)
$$7(8 + x) = 3x + 15$$

b)
$$56 + x = 3x + 15$$

c)
$$8(7 + x) = 15 + 3x$$
 d) $56x + 1 = 3(x + 5)$

d)
$$56x + 1 = 3(x + 5)$$

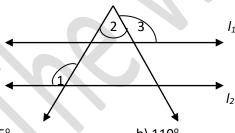
5. $\{44(x^4 - 5x^3 - 24x^2)\} + \{11x(x - 8)\} =$ b) 7x(x + 2)

b)
$$7x(x+2)$$

c)
$$5x(x + 4)$$

d)
$$(x + 2) (x + 3)$$

6. In the figure, l_1 is parallel to l_2 and angle 1 = 115°, angle 2 = 40°, then angle 3 is equal to:



a) 115°

b) 110°

c) 105°

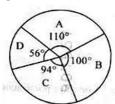
d) 100°

7. Survey was done on 900 schools children about their choice of TV programmes -

- A) Sports
- B) Comedy shows
- C) Serials
- D) News

Their choices are shown in the Pie chart

How many children showed interest for Comedy shows?





a) 235

b) 250

c) 265

d) 275

8. ABCD is a trapezium in which AB II DC and DE I AB. If AB = 2DC, DE = 12 cm and area of ABCD = 14 cm², then the length of AB, is:



a) 16 cm

b) 10 cm

c) 8 cm

d) 20 cm

- 9. Which of the following statements are true?
 - A) Cube of any odd number is odd.
 - B) Cube of a single digit number cannot be a single digit number.
 - c) A perfect cube may end with exactly two zeroes.
 - D) Cube of a 2 digit number has at least 3 digits.

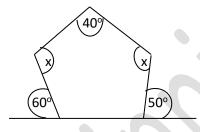
a) A, B, C only

b) B, C, D only

c) A, B, D only

d) A, D only

10. The value of x from the following figure, is:



a) 35°

b) 70°

c) 125°

d) 250°

11. Madam scored marks given in the following table. Every paper was of 100 marks.

Maths	English	Hindi	Science	Social Science	
95	72	80	68	65	

His average marks per subject are:

a) 72

b) 74

c) 75

d) 76

- 12. Which of the following triangles with given sides is not a right angled triangle?
 - A) 3, 4, 5
 - B) 5, 12, 13
 - C) 6, 7, 8
 - D) 6, 8, 10

a) A

b) D

c) B

d) C

13. $\sqrt[3]{27} - 2\sqrt[3]{8} + \sqrt[3]{125} =$

a) 4

b) 3

c) 2

d) 1

14. The average of first five prime numbers is:

a) 3.6

b) 5

c) 5.2

d) 5.6

15. Two cubes have their surface areas in the ratio 4:9. What is the ratio of their volumes?



	a) 64 : 729	b) 8 : 27	c) 9 : 4	d) 2:3
16.	A equal cuboids with dime formed, is?	ensions 6 cm x 10 cm x 4	4 cm are joined side by	side. The volume of the solid so
	a) 240 cubic cm	b) 480 cubic cm	c) 864 cubic cm	d) 960 cubic cm
17.	Ritu is four years younger What is the present age of		n. After 5 years, the sur	m of their ages will be 70 years.
	a) 30 years	b) $25\frac{1}{2}$ years		d) 32 years
18.	Out of a certain number of	of marbles, $\left(\frac{3}{5}\right)^{th}$ are red	d and half of the remain	ning are green. If the number of
	green marbles is 12, then h	(3)		
	a) 24	b) 36	c) 9	d) 18
19.	How many sides does a reg	gular polygon have if eac	ch of its interior angle is	156°?
	a) 9	b) 12	c) 15	d) 20
20.	If two perpendicular sides x cm, then the value of x, is	<u>~</u>	nd 40 cm and length of t	he side opposite to right angle is
	a) 39	b) 40	c) 41	d) 42
21.	The value of a car deprecia value after 3 years?	-		or Rs. 8, 00, 000. What will be its
	a) Rs. 5, 83, 000	b) Rs. 5, 83, 890	c) Rs. 5, 92, 000	d) Rs. 5, 83, 200
22.	The median of the data set	: 3, 11, 8, 9, 6, 7, 12 is?		
	a) 6	b) 7	c) 8	d) 9
23.	The average height of 6 bo			ge height of remaining boys, is?
	a) 5'	b) 5′ 1″	c) 5′ 2″	d) 5′ 4′′
24.	By which smallest number,	, 2700 must be multiplie	d so that the new numb	er is a perfect cube?
	a) 6	b) 10	c) 15	d) 18
25.	The number of zeros at the	e end of number 1 x 2 x 3	3 x 4 x x 20 is?	
	a) 6	b) 4	c) 5	d) 3
26.	If a:b:c:d=1:2:3:5, t		$\frac{c^2}{d^2}$, is?	
	a) $\frac{7}{19}$	b) $\frac{19}{5}$	c) $\frac{8}{17}$	d) $\frac{4}{21}$
27.	Atul drives a car at a speresidence at 9 am. At what		• •	hometown 132 km away from
	a) 11 am	b) 11 : 20 km	c) 11 : 40 am	d) 11 : 45 am
28.	If the points A (3, 0) and B the coordinate axes?	3 (0, 4) are joined, then	what will be the area o	f the triangle formed by AB and
	a) 5 unit ²	b) 6 unit ²	c) 7 unit ²	d) 12 unit ²
29.	If in polyhedron, V stands edges, then which of the fo			aces and E stands for number of
	a) V = 8 F = 6 E = 12	b) V = 5 F = 5 F = 12	c) V = 6 F = 5 E = 10	d) V = 4 F = 4 E = 6



30.	O. All faces of a cube of side 5 cm are red painted and is cut into smaller cubes of side one cm. What is the total volume of smaller cubes formed, which have no face with red colour?					
	a) 54 cm ³	b) 45 cm ³	c) 34 cm ³	d) 27 cm ³		
31.	What is the greatest value	~		isible by 3?		
	a) 2	b) 6	c) 8	d) 9		
32.	$\frac{7}{3} + \frac{7}{3} + \frac{14}{3} - \frac{1}{7} \div \left(-\frac{14}{49}\right)$	=				
	a) $\frac{7}{3}$	b) $\frac{3}{2}$	c) $\frac{10}{3}$	d) $\frac{1}{2}$		
33.	The cost of 5 kg apples is Rs. 480. What is the total c		_	and the cost of 4 kg mangoes is ngoes?		
	a) Rs. 1, 416	b) Rs. 2, 136	c) Rs. 1, 826	d) Rs. 2, 756		
34.	Pawan bought a second hat this transaction, his gain w		e spent Rs. 500 on its re	pair and sold it for Rs. 5, 856. In		
	a) 20%	b) 21%	c) 22%	d) 24%		
35.	provisions last out if 30 mg	ore students join the gro	up?	5 days. How long would these		
	a) 30 days	b) 22 days	c) 20 days	d) 17 days		
36.	If an item is sold at Rs. 1, 2 a) Rs. 1, 480	92 after giving a discour b) Rs. 1, 500	ot of 15%, then the mark c) Rs. 1, 520	d) Rs. 1, 530		
37.	6 kg of metal A and 24 kg the alloy is?			by. The percentage of metal A in		
	a) 20%	b) 25%	c) $33\frac{1}{3}\%$	d) 30%		
38.	What smallest number sho	ould be subtracted from	3142 to get a perfect sq	uare?		
	a) 5	b) 6	c) 7	d) 8		
39.	If alphabets A, B, C, a	re represented by numb	ers 1, 2, 3,, then va	lue of $\sqrt{Z-A}$, is?		
	a) 5	b) 4	c) 7	d) 11		
40.	polygon?			t not all the sides. What is that		
	a) Parallelogram	b) Rhombus	c) Rectangle	d) Square		
41.	1. If circumference of a circle is 88 cm, then the area of the circle (in cm ²) is (use $\pi = \frac{22}{7}$)?					
	a) 600	b) 612	c) 616	d) 620		
42.	Numbers 1 to 40 are writt picked up from the box. W	hat is the probability the	at the card shows a perf	_ ·		
	a) $\frac{1}{8}$	b) $\frac{1}{5}$	c) $\frac{3}{20}$	d) $\frac{1}{10}$		
43.	6 identical pipes can fill a stop working after filling has		minutes. How long wil	l it take to fill the tank if 3 pipes		
	a) 135 minutes	b) 125 minutes	c) 110 minutes	d) 130 minutes		



- 44. A certain number of men can complete a work in 50 days. If there were 6 men more, the work can be finished in 10 days less. The number of men originally working are:
 - a) 36

b) 30

c) 28

- d) 24
- 45. If one angle of a triangle is 63° and remaining two angles are in the ratio 1 : 2, then the measure of the largest angle of the triangle, is?
 - a) 63°

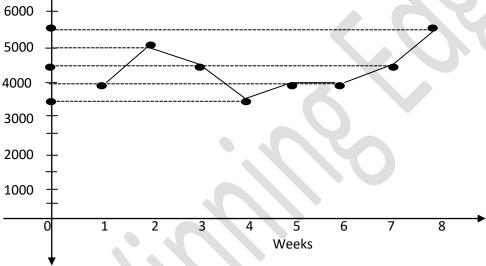
- b) 70°
- c) 78°
- d) 82°
- 46. If the area of a circle is 2464 cm², then the radius of the circle (in cm), is (use $\pi = \frac{22}{7}$)?
 - a) 24

b) 26

c) 28

- d) 56
- 47. The given line graph shows the number of articles sold by a company in the first 8 weeks of a particular year.





What is the average number of articles sold in 8 weeks?

a) 5892

- b) 4875
- c) 4375
- d) 2945
- 48. If a = $\sqrt{2}$ + 1, b = $\sqrt{3}$ $\sqrt{2}$ and c = $\sqrt{6}$ + $2\sqrt{2}$ then the value of a² + b² c, is?
 - a) 8

- b) 8 $3\sqrt{6}$
- c) 8 + $4\sqrt{2}$
- d) 11 $3\sqrt{6}$

- 49. $(2.5 \text{ a} 3.5 \text{ b})^2 (3.5 \text{ a} 2.5 \text{ b})^2 =$
 - a) $-6a^2 6b$
- b) $6b^2 6a^2$
- c) $6a^2 + 6b^2$
- d) $6a^2 6b^2$

- 50. If 30% of (A + B) = 50% of (A B), then A : B is?
 - a) 3:5

- b) 5:3
- c) 4:1
- d) 1:4

SECTION – 'B': INTELLIGENCE

- 51. A number is greater than 3 but less than 8. Also, it is greater than 6 but less than 10. The number is:
 - a) 5

b) 6

c) 7

- d) 8
- 52. If DELHI can be coded as CCIDD, how would you code BOMBAY?
 - a) AJMTVT
- b) AMJXVS
- c) MJXVSU
- d) WXYZAX
- 53. Amit is standing in the North of Bob who is in the West of Chetan on a ground. The position of Amit with respect to Chetan is in the direction?



a) East

b) North – West

c) North – South

d) North

54. Complete the analogy.

MAN:PDQ::WAN:?

a) NAW

b) ZDQ

c) YDQ

d) YQD

55. Complete the analogy.

25:125::36:?

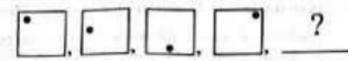
a) 126

b) 206

c) 216

d) 318

56. Find the next pattern in the sequence.



a)



b)

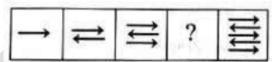
c)



d)



57. Replace the question mark in the following series:



Choose the correct answer from the options given below.

a)



b)



c)









- 58. Arrange the following words as per order in the dictionary.
 - A) Consume
 - **B)** Consciousness
 - C) Conscience
 - D) Conservation
 - E) Consequence

Choose the correct answer from the options given below.

- a) C, B, A, E, D
- b) C, A, B, E, D
- c) C, E, B, D, A
- d) C, B, E, D, A

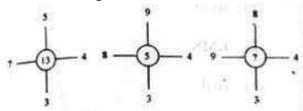
- 59. Find the odd one out:
 - a) 13

b) 17

c) 37

d) 63

60. Find the missing number:



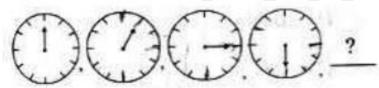
a) 12

b) 14

c) 15

d) 18

61. Find the next pattern in the sequence.



a)



b)



c)





d)



62. Find the missing number:







a) 25

b) 37

c) 41

d) 47

63. Complete the analogy:

3:11::7:?

a) 42

b) 29

c) 38

d) 51

64. Complete the following analogy:

Y:2::T:?

a) 9

b) 7

c) 8

d) 12

65. Complete the analogy.

Lizard: Reptile:: Whale:?

a) Rodent

b) Amphibian

c) Mammal

d) Ocean

66. Find the missing number in the following series:

1, 9, 25, 49, ?, 121

a) 64

b) 81

c) 91

d) 100

67. Arrange the following in the chronological order.

- A) Birth
- B) Death
- C) Funeral
- D) Marriage
- E) Education

Choose the correct answer from the options given below.

a) A, E, D, C, B

b) A, C, D, E, B

c) A, E, D, B, C

d) A, E, B, D, C

68. Find the odd one out:

a) BCD

b) KMN

c) GHI

d) WXY

69. Anil, Bobby, Chetan, Deepak and Elen are five friends. Anil is shorter than bobby but taller than Elen. Chetan is the tallest Deepak is shorter than Bobby and taller than Anil. Who is in the middle with respect to their heights?

a) Bobby

b) Chetan

c) Deepak

d) Anil

70. If February 1, 2004 was Wednesday, what day was March 12Th 2004?



a) Sunday

b) Saturday

c) Tuesday

d) Monday

71. Find the odd one out:

a) Pen

b) Sharpener

c) Scale

d) Stationery

72. How many such 5's are there in the following number sequence each of which is immediately preceded by 3 or 4 but not immediately followed by 8 or 9?

35954553584567357554523510

a) 3

b) 4

c) 5

d) 6

73. Identify the correct water image of the following figure.



a)



b)



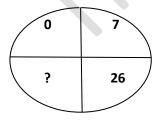
c)



d)



74. Find the missing number out of the options given below:



a) 45

b) 60

c) 63

d) 76

75. Arrange the following in a logical order (Increasing order).



- A) Day
- B) Week
- C) Second
- D) Minute
- E) Hour

Choose the correct answer from the options given below.

a) A, B, C, D, E

b) C, D, E, B, A

c) C, D, B, E, A

d) C, D, E, A, B

SECTION - 'C': ENGLISH

Read the passage carefully and answer the questions given below: (Q. 76 – Q. 81)

The Walt Disney Company became the first major media company to ban advertisements for candy bars and junk food on its television channels, radio stations and websites, to stop food manufacturers from peddling nutritionally challenged fattening junk for kids. The ban covers foods with too much sugar, too much salt or a full meal more than 600 calories. Predictably, the outraged public said that banning smoking in public places and artery – blocking Tran's fats in food in food was bad enough, but stopping them from guzzling comfort drinks by the litres was almost a human rights violation.

It seems most people are not just happy choosing their own poison. They also want it in super- sized doses, guaranteed to kill sooner than later, for after tobacco use, obesity is the biggest public health bugbear that triggers more avoidable diseases and deaths than malnutrition. Overweight and obesity are the leading causes for global deaths, killing 2.8 million adults each year. Worldwide obesity has more than doubled since 1980. The reasons for poor lifestyle choices are many, with almost all driven by socio – economic causes such as low education and limited income. Like killer infections, obesity and the resultant type – 2 diabetes affect the poor more than the affluent, largely because processed and fast food are cheaper and less or no time to prepare than healthy home – cooked meals. Limiting food choices, however, I not enough.

The need is to get children off their chairs and into the playgrounds. Too much screen time, largely social – networking followed by online and video gaming and television are making healthy children fat and putting them at risk of type – 2 diabetes in the second decade of their lives. The lifestyle disease that interferes with the way the body metabolizes glucose typically affects people in their fifties and sixties and is linked with a host of complications.

The official measure of obesity in adults is Body Mass Index (BMI), which is calculated by dividing a person's weight in kilograms by the square of his height in metres (kg/m²). The WHO definition is a BMI greater than or equal to 25 is overweight, 30 is obese, but the cutoffs for the South Asians are 23 for overweight and 25 for obese.

76. What did the Walt Disney Co.	mpany ban?
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a) Candy bars b) Junk food

c) The foods were healthy d) Advertisement for candy bars and junk food

77. What was purpose behind the ban?

a) The foods were unhealthy
c) The foods were cheap
b) The foods were healthy
d) The foods were costly

78. Overweight and obesity are the leading causes for global deaths, killing _____ adults each year.

a) 2.6 million b) 8 million c) 8.2 million d) 2.8 million



79.	Obesity affects mo	re than the affluent.				
	a) the middle class	b) the educated	c) the poor	d) the sick		
80.	'Limiting food choices, how Choose the synonym of Lin	niting.	c) Ignoring	d\ Bostructuring		
81.	a) RestrictingChoose the correct option:The antonym of 'miser' is	b) calculating	c) Ignoring	d) Restructuring		
	a) Rich	b) Strong	c) Popular	d) Generous		
82.	Choose the correct option of the correct option option of the correct option of the correct option o	_				
	a) had been kind, dead c) is dead, kind		b) was dead, kind d) has been kind, dead			
83.	Fill in the blanks with corre					
	I saw him climbing					
	a) upon	b) on	c) up	d) over		
84.	Choose the correct spelt w a) Autonomus	ord: b) Autonomous	c) Autonemous	d) Autenomus		
85.	Choose the correct sentence	ce having an adverb:				
	a) He waited long for me.		b) He went on a long jo	urney.		
	c) He came by an early fligh	t.	d) He is of my relation.			
86.	Change into passive voice: 'Please don't disturb me.'	1,11				
	a) You are requested not to c) Please do not disturb me		b) You are requested n d) You are requested d			
87.	Fill in the blank with correc	ct conjunction:				
	She is rich she is no					
	a) since	b) yet	c) as	d) while		
88.	88. Change the given sentence to passive Voice: People speak different languages all over the world. a) Different language are spoken all over the world. b) Different language were being spoken all over the world. c) Different languages was spoken all over the world. d) Different languages were spoken all over the world.					
89.	Choose the correct meaning	g of the given Idiom/Ph	rase:			
	'Helter skelter'					
	a) Natural and simple		b) Here and there	h.,		
	c) Merits and demerits		d) Arrogant and naught	Ly		
90.	Choose the correct meaning 'A wolf in a sheen's clothin	-	1:			



	a) A very relatable personb) A weak personc) A fair and honest persond) A dangerous person pr	n	s person	
91.	Choose the correct conju This is the ring sh a) beside	_	c) that	d) if
92.	Fill in the blanks: Neither she he w	as present in the class.	•	
93.	a) nor Fill in the blank: she lost her daug	b) or hter.	c) and	d) but
	a) Hello!	b) Alas!	c) Hurrah!	d) Look!
94.	Choose the most appropriate Reema is so generous not a) Reema is so generous to b) Reema is so generous to c) Reema is so generous ed) Reema is so generous ed) Reema is so generous ed)	t to help the needy. not to help the needy. hat she can help the needy nough to help the needy		
95.	Superlative degree of 'To a) Topest	p' is: b) Topmost	c) Toppest	d) Most top
96.	Choose the correct optio She is too slow to be a ru a) She is so slow to be a ru b) She is slow to run. c) She is so slow that she d) She is too slow, she cou	nner. unner. cannot be a runner.	of the given sentence:	
97.	Choose the correct quest		sentence:	
	a) is it	b) isn't it	c) doesn't	d) aren't it
98.	Spot the error: He is the carpenter w (A) (B) (ho made my chair. C) (D)		
	a) A	b) B	c) D	d) No error
	Change the given sentence Rita said to me, 'I never of a) Rita told me that she never of the said to me that she concentrated that she never of the said that she never of the said that I never of the said that I never of the said the given sentence. Change the given sentence of the said that I never of the said that I	eat junk food.' ever ate junk food. e never eats junk food. e ever eats junk food. er ate junk food.	:	



They said to Rahul, 'We are watching cricket.'

- a) They said Rahul that they are watching cricket.
- b) They told Rahul that they were watching cricket.
- c) They told Rahul that they are watching cricket.
- d) They told Rahul that they have been watching cricket.

	SECTION – 'D': GENERAL SCIENCE					
101.	Which source book keep a) Blue Data Book c) Red Data Book	ps a record of all endang	gered animals and plant b) Green Data Book d) White Data Book	rs?		
102.	Identify the endemic flo from the following: a) Bison and flying squirr		osphere Reserve from the b) Bison and sal	he Pachmarhi Biosphere Reserve		
	c) Sal and wild mango		d) Flying squirrel and v	vild mango		
	When fertilization does called:	not occur then the relea	ased egg and thickened	lining of the uterus is shed off. It		
	a) Pregnancy	b) Menarche	c) Menopause	d) Menstruation		
104.	a) Genes inherited from (b) Eating right kind of foc c) Exercise and genes inh d) Eating right kind of foc	mother only od and exercise herited from parents	rom parents			
105.	105. Consider the following statements: A) Endocrine glands release hormones into the blood stream to reach a target site. B) Hormones are not chemical substances. Select the correct answer using the code given below: a) Only A is correct b) Only B is correct c) A and B are correct d) Neither A or B is correct					
106.	The magnitude of the po	ower of an earthquake is	s expressed on a scale ca	alled?		
	a) Richer scale	b) Vernier scale	c) Ratio scale	d) Graphic scale		
107.	Calorific value of a fuel i	s expressed in?				
	a) Joule c) Kilo Joule		b) Kilo Joule per kg (KJ, d) Kilo Joule/m ²	/kg)		
108.	Tin cans are made by ele	ectro plating tin on to ire	on because Tin?			
	a) is less reactive than irec) does not react with ire		b) is more reactive tha d) and iron both are le			
109.	Arrange the rolling, slidi option.	ng and static friction in	increasing order of fricti	ion and choose the correct		
	a) Rolling, Static, Slidingc) Static, Sliding, Rolling		b) Rolling, Sliding, Statd) Static, Rolling, Sliding			



110. Which of the following is not a Rabi crop?

	a) Wheat	b) Pea	c) Mustard	d) Paddy		
111.	Identify the methods for A) Growing different cro B) Usage of manures. C) Sowing healthy seeds D) Growing legumes as for Choose the correct option a) A, C and D	ps alternately. older in one season and				
112.	 When electric current is passed through the Copper Sulphate solution? a) Copper gets deposited on the electrode connected to the positive terminal of the battery. b) Copper gets deposited on the electrode connected to the negative terminal of the battery. c) No reaction takes place d) Copper gets deposited either on positive or on negative terminal of the battery. 					
113.	Match the following:					
	Heavenly body		Characteristics			
	A. Orion		ng around Sun between			
	B. Cornet	-	sky located close to Ori			
	C. Sirius D. Asteroid		be seen during winter to	ptical orbit and has a bright		
	D. Asteroid	head and a tail.	voives around surrin em	percur orbit una nas a bright		
	Choose the correct option	on from the answers give	en below:			
	a) A – III, B – IV, C – I, D – c) A – IV, B – III, C – II, D –		b) A – III, B – IV, C – II, [d) A – III, B – II, C – IV, [
114.	Which of the following g	ases has the highest cor	ncentration in the atmos	sphere?		
	a) Oxygen	b) Carbon dioxide	c) Nitrogen	d) Sulphur dioxide		
115.	Global Warming is not re	esponsible for:				
	a) Increase in sea level		b) More severe storms			
	c) Increased droughts		d) More earthquakes			
116.	Identify the multi cellula	r microorganism from t	he following:			
	A) bacteria		-			
	b) Aspergillus					
	c) Paramaecium					
	d) Penicillium	n from the following:				
	a) A only	b) A and B only	c) B, C and D only	d) B and D only		
	, ,	,	•	•		
	The bulb of the dropper, the dropper. This happe	•	pressed. When the press	sure is released, water gets filled		
"	a) Force of water	iis due to	b) Force of gravity			
	c) Pressure of water		d) Atmospheric pressur	re		
118.	An oscillating body is ma	king 360 oscillations in				
	Journaling wowy is file		atob. no nequency			



	a) 120	b) 2	c) 20	d) 12			
119.	A person, who is standing a) 2 m	g 2 m in front of a plane b) 4m	e mirror, seems to be c) 0.5 m	m away from his image.			
120.	a) 2 m b) 4m c) 0.5 m d) 1 m 120. Which of the following statement are not true for metals? A) Metals are good conductor of heat and electricity B) The property of metals by which they can be beaten into thin sheets is called ductility. C) Metals produce ringing sounds so they are said to be Sonorous. D) In general metallic oxides are acidic in nature. Choose the correct option from below: a) B and C b) C and D c) B and D d) A, B and D						
121.	Polythene and PVC are e a) Thermoplastics c) Melamine	•	b) Thermosetting plast d) Bakelite	260			
122.	List I A. Coke B. Coal Tar C. Coal Gas D. Petrol Choose the correct option from the answers given below: a) A – I, B – II, C – III, D – IV c) A – II, B – IV, C – I, D – III List II A. Coke I. Obtained during the processing of coal to get coke. II. Almost pure form of carbon IV. Naphthalene Balls Choose the correct option from the answers given below: a) A – II, B – IV, C – III, D – I c) A – III, B – IV, C – III, D – I d) A – III, B – IV, C – IV, D – I						
	123. A combustible substance catches fire/burn as long as its temperature is, its ignition temperature. a) Higher than c) Equal to or higher than d) Equal to or lower than						
124.	124. Which of the following is/are present only in plant cell? A) Cell membrane B) Cell wall C) Chloroplast D) Nuclear membrane Select the correct answer using the code given below:						
125.	a) B and C b) A and D c) B d) C 125. Given below are the different sages in the life cycle of frog. Arrange them in order of occurrence. A) Fertilisation B) Tadpole C) Laying of eggs D) Development of embryos Choose the correct option from the following:						
	a) A, C, B, D	b) C, A, D, B	c) C, B, D, A	d) D, A, C, B			
	SECTION – 'E': SOCIAL SCIENCE						



126.	Who began a campaign against the practice of sati?				
	a) Rammohan Roy c) Jyotirao Phule		b) Ishwarchandra Vidy d) Shri Narayan Guru	asagar	
407	• •		•		
127.	Where is the Tata Iron a	• •	ted? b) On the banks of Son	rivor	
	a) On the banks of Hooghc) On the banks of Gange	•	d) On the banks of Sub		
120			•	MITIGICKITA	
128.	When was the English Ec a) 1735	b) 1800	c) 1835	d) 1870	
	a) 1733	b) 1800	C) 1833	u) 1870	
129.	Match List I with List II:				
	List I	List II			
	A. Sukta	I. Slave			
	B. Chariots	II. Sacrifice			
	C. Yajna	III. Used in bat	itles		
	D. Dasa Choose the correct option	IV. Well said	en helow:		
	a) A – II, B – IV, C – III, D –		b) A – IV, B – I, C – III, [) — II	
	c) A – III, B – II, C – IV, D –		d) A – IV, B – III, C – II,		
120	Where is Gangri glacier?				
130.	a) Assam	b) Mizoram	c) Ladakh	d) Uttarakhand	
424	•			•	
131.	Which of the following s		c) Sukhdev		
	a) Bhagat Singh	b) Rajguru		d) Mangal Pandey	
132.	_			um Zinat Mahal sent to prison?	
	a) Delhi	b) Meerut	c) Rangoon	d) Lucknow	
133.	Which of the following b		•		
	a) Upnishads	b) Arthashastra	c) Yogdarshan	d) Prashasti	
134.	Who created the sacred	space Dharmsal?			
	a) Baba Guru Nanak		b) Kabir		
	c) Tukaram		d) Eknath		
135.	What is the place where	a river flows into anoth	er water body called?		
	a) River's mouth	b) Delta	c) Basin	d) Tributary	
136.	Arrange the following st	eps of terrace farming in	n chronological order:		
	A) The sides of each plot	are raised to retain wa	ter.		
	B) They cultivate rice on				
	c) The land on a hill slope	•	•		
	d) Plots are carved out in	•	-) D D C A	-1) C D A D	
	a) A, B, C, D	b) B, C, D, A	c) D, B, C, A	d) C, D, A, B	
137.	For how many years in a				
	a) 1	b) 3	c) 2	d) 5	



138.	Which one of the following a) Pluto	ng may be called a 'dwa b) Saturn	orf' planet? c) Mercury	d) Venus	
139.	Where was the Harappara) Rajasthan c) Gulf of Khambhat	n city of Dholavira locate	ed? b) Rann of Kutch d) Punjab		
140.	Which of the following is		of energy?		
	a) Biogas	b) Firewood	c) Solar energy	d) Wind energy	
141.	Ox bow lakes are found i		a) Clasiana	d) Diversity allows	
	a) Mountains	b) Deserts	c) Glaciers	d) River valleys	
142.	Match List I with List II: List I	List II			
	A. Biotic	I. Rivers, Lakes	, Seas, Oceans		
	B. Hydrosphere	II. Thin layer of			
	C. Atmosphere	•	yer of the earth		
	D. Lithosphere		of living organisms		
	a) A – I, B – II, C – III, D – I	_	b) A – II, B – III, C – I, D	– IV	
	c) A – III, B – I, C – II, D – I		d) A – IV, B – I, C – II, D		
143.	Where are mushroom ro	cks found?			
	a) Valleys	b) Glaciers	c) Hills	d) Deserts	
144.	Which of the following is	formed by the materia	carried by glaciers?		
	a) Flood plains	b) Moraines	c) Beach	d) Loess	
145.	Which of the following are the key features of the Constitution of India? A) Federalism B) Parliamentary form of Government C) Separation of Powers. Select the correct answer using the code given below:				
1/6	a) A and B onlyWhich of the following is	b) B and C only	c) A and C only	d) A, B and C	
140.	a) Technology	b) Water	c) Copper	d) Natural gas	
147	Which of the following is	,		, , , , , , , , , , , , , , , , , , , ,	
1 47.	a) Distance	b) Direction	c) Plan	d) Scale	
148	Which of the following is	,	•	,	
140.	a) Forest	b) Sea	c) Aquarium	d) Desert	
149.	Match List I with List II:				
	List I	List II			
	A. PrejudiceB. StereotypeC. DiscriminationD. Diversity	I. Difference in languag II. Judging people nega III. Fixing people into o IV. Inequality	-	etc.	



Choose the correct option from the answers given below:

c)
$$A - III$$
, $B - II$, $C - I$, $D - IV$

d)
$$A - IV$$
, $B - III$, $C - II$, $D - I$

150. Which of the following is the main work of Patwari?

a) Maintaining law and order

- b) Measuring land and keeping land records
- c) Maintaining accounts of the village
- d) Settles disputes of the villagers