# CLASS-10<sup>th</sup>

### SCHOLASTIC APPTITUDE TEST (SAT)

#### *Time: 45 Minutes*

Maximum Marks: 50

Please read the instructions carefully.

#### INSTRUCTIONS

#### A: General :

- 1. Immediately fill in the particulars on this page of the Test Booklet with Blue/Black Ball point pen.
- 2. Use *Blue/Black Ball Point Pen only* for writing particulars on *Side-1* and *Side-2* of the Answer Sheet. *Use of pencil is strictly prohibited.*
- **3.** Darken the appropriate bubbles with **HB Pencil** only.
- **4.** Blank papers, clipboards, log tables, slide rules, calculators, cellular phones, pagers and electronic gadgets in any form are not allowed.
- 5. The answer sheet, a machine-gradable Objective Response Sheet (ORS) is provided separately.
- **6.** Do not Tamper/mutilate the **ORS** or this booklet.
- 7. No additional sheets will be provided for rough work
- 8. On completion of this test, the candidate must hand over the Answer Sheet to the Invigilator on duty in the Room/Hall. *However, the candidates are allowed to take away this Test Booklet with them.*

#### B: Questions paper format and Marking Scheme :

- 1. The question paper consists of 50 questions.
- **2.** For each question you will be **awarded 1 marks** if you darken the bubble corresponding to the correct answer and zero mark if no bubbles is darkened. No Negative Mark will be awarded.

Enrollment No. :	Batch :
Name :	
Candidate's Signature	Invigilator's Signature:

1.	Prokaryotes are the organisms which are characterized (A) Well defined nucleus	by (B)	Absence of cell wall
	(C) Absence of chlorophyll	(D)	Absence of nuclear envelope, nucleus and nucleoplasm
2.	Which of the following is not present in an animal cell?	(B)	Plaetide
	(C) Mitochondria	(D)	Endoplasmic reticulum
3.	These are heterotrophic, eukaryotic organism having the	eir ce	Il wall made up of a complex sugar called chitin
	(A) Algae (C) Bryophytes	(B)	Fungi
		(0)	
4.	(A) Lactic acid	s aue (B)	Lactose
	(C) Lactogen	(D)	Lactulose
5.	Thyroxin regulates which of the following metabolisms in	n the	body Distain matchaliam
	(C) Fat metabolism	(B) (D)	Carbohydrate, Protein and Fat metabolism
6.	The gap between two neurons is called		
	(A) Axon	(B)	Internode
	(C) Synapse	(D)	Dendine
7.	Deficiency of lodine in the body can cause (A) Kwashiorkar	(B)	Marasmus
	(C) Goitre	(D)	Rickets
8.	Buds produced in the margins along the leaf margins of	Bryo	phyllum, develop into new plants when they fall on soil. This
	is a mode of: (A) Sexual reproduction	(B)	Asexual reproduction
	(C) Vegetative reproduction	(D)	Parthenocarpy
9.	In plants, growth of pollen tube towards ovule, is an exa	mple	Of
	(C) Haptotropism	(B) (D)	Phototropism
10.	Which of the following is not a component of Xylem?		
-	(A) Vessels	(B)	Tracheids Sisve tubos
		(D)	Sieve tubes
11.	An animal cell shrinks when placed in a concentrated su (A) Hypertonic	ugar s (B)	solution. Such a solution is known as Hypotonic
	(C) Isotonic	(D)	Neurotonic
12.	Which of the following cell organelle does not possess a	a dou	ble layered covering?
	<ul><li>(A) Chloroplast</li><li>(C) Mitochondria</li></ul>	(B) (D)	Nucleus Vacuole
13	In plants, translocation of food and other substance take	nlar	se through sieve tubes in
10.	(A) Upward direction	(B)	Downward direction
	(C) Lateral direction	(D)	Both upward and downward direction
14.	Mendel is popular for postulating	(B)	Cell theory
	(C) Linkage theory	(D) (D)	Laws of inheritance
15.	Skin becomes yellow in conc. HNO3 as		
	<ul> <li>(A) HNO<sub>3</sub> acts as an oxidizing agent</li> <li>(C) Nitro-cellulose is formed</li> </ul>	(B)	$HNO_2$ acts as a dehydrating agent
4.6		(U)	
16.	vvnen two liquids in a mixture differ by their boiling point liquids?	ıs, wr	nich of the following is the best method to separate these
	(A) Evaporation (C) chromatography	(B) (D)	Distillation Filtration
	(-,	(-)	

17.	<ul><li>Which of the following is a chemical change?</li><li>(A) Melting of ice</li><li>(C) Rusting of iron</li></ul>	(B) (D)	Dissolving salt in water Boiling of water into steam
18.	Buckminsterfullerene is an example of of carbon (A) an isomer (C) an allotrope	(B) (D)	an isotope a functional group
19.	<ul><li>The gas used in welding and cutting metal is</li><li>(A) Ethyne</li><li>(C) Ethane</li></ul>	(B) (D)	Ethene Propene
20.	Which gas is released when a metal reacts with an acid' (A) $Cl_2$ (C) $H_2$	? (B) (D)	O <sub>2</sub> SO <sub>2</sub>
21.	<ul><li>Hydrolysis of water is which type of following reactions?</li><li>(A) Endothermic</li><li>(C) Both 1 and 2</li></ul>	(B) (D)	Decomposition Combination
22.	<ul><li>When a burning splinter is brought near the gas jar conta</li><li>(A) exothermic</li><li>(C) exothermic and endothermic</li></ul>	ainin (B) (D)	g hydrogen gas a popping sound is observed. It is due to endothermic none of these
23.	<ul><li>Silver chloride turns grey when placed in sun because o</li><li>(A) Silver metal</li><li>(C) Silver oxide</li></ul>	f the (B) (D)	formation of which of the following when placed in sun? Carbon dioxide Silver sulphate
24.	<ul><li>When copper sulphate solution reacts with iron metal, co following category?</li><li>(A) Decomposition reaction</li><li>(C) Double displacement reaction</li></ul>	opper (B) (D)	r metal is formed. This reaction comes under which of the Single displacement reaction Combination reaction
25.	When 0.01 kg of CaCO <sub>3</sub> is decomposed the CO <sub>2</sub> product (A) 2.2414 dm <sup>3</sup> (C) 22414 dm <sup>3</sup>	ced o (B) (D)	ccupies a volume at S.T.P 22.414 dm <sup>3</sup> 224014 dm <sup>3</sup>
26.	<ul><li>Which of the following method is suitable for preventing</li><li>(A) Applying grease</li><li>(C) Applying a coating of zinc</li></ul>	an iro (B) (D)	on frying pan from rusting? Applying paint All of the above
27.	<ul><li>Aromatic compounds are given this name because of</li><li>(A) Slippery touch they have</li><li>(C) Sour taste they have</li></ul>	(B) (D)	Bitter taste they have Smelly they are
28.	<ul> <li>Pick the false statement</li> <li>(A) One can calculate uniform acceleration from velociti</li> <li>(B) One can calculate non uniform acceleration from velocity</li> <li>(C) One can calculate velocity from distance-time graph</li> <li>(D) One can calculate speed from distance-time graph</li> </ul>	ty-tim elocit h	ne graph y-time graph
29.	<ul><li>Pick the fundamental law of motion</li><li>(A) Newton's first law of motion</li><li>(C) Newton's third law of motion</li></ul>	(B) (D)	Newton's second laws of motion All laws of motion
30.	The mass of an object is 10 Kg on earth. So we can say (A) Its weight on earth is 10 N (C) Its weight on moon is 10 N	(B) (D)	Its weight on Earth is 1.67 N Its mass on moon is 10 Kg
31.	<ul> <li>Pick the correct statement</li> <li>(A) Energy is a physical quantity and work is a mathem</li> <li>(B) Work is a physical quantity and energy is a mathem</li> <li>(C) Both energy and work are physical quantities</li> <li>(D) Both energy and work are mathematical quantities</li> </ul>	natica natica	al quantity al quantity
32.	A sound wave has a frequency of 2 kHz and wavelength (A) 1.4 m	n 35 d (B)	cm. How much distance it will travel in 2 seconds. 14 m

- (B) 14 m (D) 1400 m
- (A) 1.4 m (C) 140 m

33.	The vibrations are amplified several times in the middle ear to the bones known as							
	(A) Anvil	(B)	Stirrup					
	(C) Hammer	(D)						
34.	You are provided with a concave lens having focal length 15 cm. If it diminishes the image by one-third, calculate the distance of image from lens?							
	(A) 5 cm	(B)	10 cm					
	(C) 511	(D)	10 111					
35.	At the traffic signals, red light is used for stop due to the involved is known as	reas	on that it can be seen from a distance. The phenomenon					
	(A) Reflection (C) Dispersion	(B)	Refraction					
		(D)	ocattering					
36.	<ul> <li>Alloys are commonly used in electrical heating devices,</li> <li>(A) Alloys have higher resistivity than that of its constitution</li> <li>(B) Alloys do not burn a higher temperatures</li> <li>(C) Alloys do not oxidize at higher temperatures</li> <li>(D) All of above</li> </ul>	like e uent i	electric iron etc. because metals					
37.	Suppose five resistance, each of 10 ohm, are provided t	to you	u. You are free to get the desired value by combining them.					
	(A) 2 ohm to 50 ohm	(B)	20 ohm to 40 ohm					
	(C) 12 ohm to 50 ohm	(D)	10 ohm to 60 ohm					
38.	Calculate the electricity bill for 30 days of a house in whi operates for 10 hours/day and a refrigerator rated 400 V 8.00 per kWh.	ich a V ope	bulb 100 W operates for 6 hours/day, a fan rated 80 W erates for 24 hours/day. Assume the cost of energy is Rs.					
	(A) Rs. 26.40 (C) Rs. 2640.00	(B) (D)	Rs. 264.00 Rs. 26400.00					
39.	The magnetic field inside a current carrying long straight	t sole	noid is					
	(A) Zero	(B)	Uniform					
		(D)	Carnot say as the data is insumcient					
40.	Choose the medium most suitable for the core of electro	omag (B)	nets wood					
	(C) soft iron	(D)	steel					
41.	Taille was							
	(A) Unit of currency in France	(B)	Tax comprising one tenth of the agriculture					
	(C) Tax on sait and tobacco	(D)	Tax to be paid directly to the state					
42.	Who advocated the policy of abolishing Princely states in free India?							
	(C) C. Rajagopalachari	(D)	Jwahar Lal Nehru					
43	Allegory is							
40.	(A) Painting of Germania	(B)	Expressing an abstract idea through a person or thing					
	(C) To portray nation as female figures	(D)	Attributes to liberty					
44.	Who said 'In my state the mother is the most important of	citize	n'?					
	(A) Manatma Gandhi (C) Herbert Spencer	(B) (D)	Hitler					
45	Which of the following novels is not written by Premchar	nd2						
45.	(A) Godan	(B)	Rangbhoomi					
	(C) Anandmath	(D)	Sewasadan					
46.	Dhangars are an important pastoral community of							
	<ul><li>(A) Karnatka</li><li>(C) Andhra Pradesh</li></ul>	(B) (D)	Maharashtra Guirat					
4-		, <del>,</del> , ,						
47.	I ne great bath of the Indus valley civilization was discov (A) Harappa	/ered (B)	IN Lothal					
	(C) Mohanjodaro	(D)	Ropar					

- 48. Choose the correct chronological order for the following
  - Jallianwala massacre (i)
  - (iii) Poona Pact

- (ii) Rowalt Act
- (iv) Lucknow Pact
- (A) a, c, b, d (B) b, a, d, c (C) c, b, a, d (D) d, b, a, c
- 49. Under the inland Emigration Act of 1859
  - (A) Plantation workers were not permitted to leave the tea gardens without permission
  - (B) British government banned the entry of workers in the forests
  - (C) Workers were brought to work after signing an agreement
  - (D) Workers left the plantations and headed home
- 50. New International Economic Order (NIEO) means a system that would give G-77 countries
  - (A) Real control over their natural resources
  - Fairer prices for raw materials (B)
  - (C) Better access for their manufactured goods in developed countries
  - (D) All of the above
- 51. Read the following statements and select the correct option thereafter

#### Statement-1

Among its sporting ancestors hockey can count the Scottish game called shinty, the English and Welsh game called bandy and Irish hurling.

#### Statement-2

Hockey like many other modern games was invented by the colonial officials in India and soon gained popularity.

- (A) Statement-1 is wrong, Statement-2 is true
- (B) Statement-1 is true, Statement-2 is wrong
- (C) Both Statement-1 and Statement-2 are true
- (D) Both Statement-1 and Statement-2 are wrong
- 52. In about the 1660's the farmers in many parts of England began growing turnip and clover because The spread of railways made it easy to transport the crops to the eastern coast for export (A)
  - (B) These crops had the capacity to increase the nitrogen content of the soil

  - The farmers earned huge profits by selling these crops (C)
  - (D) None of the above
- 53. 'Vande Matram' was written by
  - (A) Muhammad lobal
  - (C) Rabindra Nath Tagore

- (B) Bankim Chandra Chattopadhvav
- (D) Abanindranath Tagore

54. Consider the following statements and choose the correct option, given therarter. During colonial rule Indian Peasants were unwilling to grow opium because

- The crop had to be grown on the best lands (i)
- The cultivation of opium was a difficult process (ii)
- (iii) The price paid by government to the cultivators for the opium they produced was very low
- (iv) The crop had no demand in the market.
- (A) a, b, d (B) b, c, d (C) a, b, c (D) a, c, d
- 55. Napalm refers to
  - (A) A defoliant, a plant killer
  - An organic compound used to thicken gasoline for firebombs (B)
  - Phosphorous bomb (C)
  - (D) None of the above
- The layer of atmosphere that provided ideal condition for flying of jet aeroplane is 56.
  - (A) Troposphere (B) Stratosphere (C) Ionosphere (D) Exosphere
- 57. Maldives islands are situated to the ...... of Lakashdweep Islands.
  - (A) South (B) North
  - (C) East (D) West

- 58. Tropical Evergreen Forests appear green all the year round because
  - (A) It has luxuriant vegetation of all kinds trees, shrubs and creepers
  - The trees in these forests do not shed their leaves (B)
  - The forests receive heavy rainfall (C)
  - (D) There is no definite time for trees to shed their leaves
- 59. Which of the following rivers is not a tributary of Ganga?
  - The Ghaghra (A)
  - (C) The Chambal
- 60. Match List-I with List -II and select the correct option.

List-I List-II Mawsynram **Tropical Cyclones** Α. 1. Houses on stilts Β. Assam 2. Andhra Pradesh Stalagmite and stalactite caves C. 3. D West Bengal 4. Kaal Baisakhi (A) A-2, B-3, C-1, D-4 (B) A-4, B-2, C-3, D-1 (C) A-3, B-2, C-1, D-4 (D) A-3, B-3, C-3, D-1 If a person wants to visit the national parks in Sariska, Corbet and Sunderban, to which one of the following states he need go in this connection? (A) Rajasthan (B) Kerala (C) West Bengal (D) Uttaranchal Which of the following statements is incorrect? Factors responsible for location of jute mills in the Hugli basin are (A) Proximity of the jute producing areas (B) Port facilities for the export of jute goods (D) Good network of railways, roadways and waterways (C) Heavy demand of jute goods The red soils develop a reddish colur due to (A) Deforestation and overgrazing The presence of Potash and magnesium (B) Diffusion of iron in crystalline and metamorphic rocks (C)(D) Formation fro the lave flows Which one of the following pairs is incorrect? (A) Black Buck-Endangered species (B) Blue Sheep-Vulnerable species (C) Himalayan Yew-Endangered specied (D) Mahua-Endangered species The river that makes Sivasamudram waterfall (A) The Kaveri The Krishna (B) (C) The Narmada (D) The Godavari Particulate matter in the air can be reduced by (A) Fitting smoke stacks to factories with electrostatic precipitators (B) Fabric filters, scrubbers and inertial scrubbers (C) Using oil or gas instead of coal (D) All of the above Identify the right pairs from the following and choose the right option, given thereafter. Place Source of energy Nagarcoil Nuclear 1 1 2. Tarapur 2. Hydro electricity Damodar Vally 3. Wind 3. Madhapur Solar 4 4 (A) A-2, B-1, C-4, D-3 (B) A-3, B-1, C-2, D-4 (C) A-4, B-3, C-2, D-1 (D) A-3, B-4, C-2, D-1

68. Which of the following Himalayan Peaks are not in India?

(A) Nanda Devi

66.

67.

(C) Namcha Barwa

(B) Kamet (D) Gurla Mandhata

61.

The kosi

(D) The Penganga

(B)

- 62.
- 63.
- 64.
- 65.

Which of the following statement about Indian railways is not correct?

- (A) The Indian Railways is the largest public sector undertaking in the country
- (B) The Indian railways is reorganized into 14 zones
- (C) The Indian railways network runs on multiple gauge operations
- (D) The Indian Railways have been a great integrating force for more than 150 years
- Assertion (A): Indian farmers should diversity their cropping pattern from cereals to high value crops. 70. Reason (R): This will increase incomes and reduce environmental degradation simultaneously.
  - (A) A is true and R is false
  - (B) Both A and R are true
  - (C) Both A and R are true but R is not the correct explanation of A
  - (D) Both A and R are true and R is the correct explanation of A
- 71. Five permanent members of United Nations Security Council are
  - (A) United States, Russia, U.K., Germany, China (B) United States, Russia, U.K., France, China
  - (C) United States, China, U.K., Japan, Russia (D) United States, China, India, France, Russia

#### 72. Right to equality implies

- (A) Equal opportunities in matters relating to employment
- (B) Equal opportunities to achieve whatever one is capable of
- (C) Abolition of social discrimination
- (D) All of the above

(A) Bengali

- 73. Which language is spoken next to Hindi terms of number of people in India?
  - (B) Marathi
  - (C) Tamil (D) Telqu
- 74. Which of the following is not a function of the Election Commission in India?
  - (A) Implementing Code of Conduct
- (B) Reservation of seats
- (C) Free and fair elections
- (D) Appointing chief Electoral Officers
- 75. Consider the following statements-on the meaning of communal politics, identify the correct statements from the options given thereafter.

Communal politics is based on the belief that

- One religion is superior to that of others (i)
- (ii) People belongings to different religions can not live together happily as equal citizens
- (iii) Followers of a particular religion constitute one community
- (iv) State power can not be used to establish the domination of one religious group over others
- (A) a, b, c (C) a, c, d

- (B) a, b, d (D) b, c, d
- 76. In recent years Infant Mortality rate has reduced because of
  - (A) Protection of children from infection
  - (C) Increase in the health care facilities
- (B) Better mother and child care (D) All of the above
- 77. 'Antyodaya Anna Yojna' scheme was launched for the upliftment of
  - (A) Industrial workers (B) Farmers
  - (C) Labourers (D) Rural poor
- 78. Consider the following statements and identify the correct response from the options given thereafter.

#### Statement-1

The most serious economic problems of India are poverty and unemployment.

#### Statement-2

There is a strong link between economic growth and poverty reduction.

- (A) Statement-1 is false, Statement-2 is true
- (B) Statement-1 is true, Statement-2 is false
- (C) Both Statement-1 and Statement-2 are true but Statement-2 is not the correct explanation of Statement-1
- (D) Both Statement-1 and Statement-2 are true and Statement-2 is the correct explanation of Statement-1
- 79. The quality of education in a country does not depend upon
  - (A) Growth rate

Literacy rate (B)

(C) Health status

- (D) Acquisition of skill by people



- (A) 9.7 (B) 77.6 (C) 58.2 (D) 19.4
- In a given figure, if AD = 7  $\angle$ 3;  $\angle$ B = 30°,  $\angle$ ADC = 90°, and  $\angle$ C = 60°, then BC equals to 85.



- (A) 14 m (C) 29 m
- 86. From an aeroplane vertically above a straight horizontal road, the angles of depression of two consecutive stones on opposite sides of the aeroplane are observed to be  $\alpha$  and  $\beta$ . Then the height in metres of the aeroplane above the road is

(D) 28 m

1

(A)	$\tan \alpha . \tan \beta$	(B)	$\cot \alpha . \tan \beta$	
	$\tan\beta + \tan\alpha$	(8)	$\cot\beta + \cot\alpha$	
(C)	$tan \alpha. tan \beta$		$\cot \alpha . \tan \beta$	
	$\overline{\tan\beta} - \tan\alpha$	(6)	$\overline{\cot\beta - \cot\alpha}$	

- 87. The value of  $(1 + \cot \theta - \csc \theta)$ .  $(1 + \tan \theta + \sec \theta)$  is (A) -2 (B) 3 (C) 2 (D)
- If the p<sup>th</sup> term of an AP is q and the q<sup>th</sup> term is p, then the n<sup>th</sup> term is 88. (B) p+q+n (A) p+q-n (C) p - q - n (D) q - p - n
- The area of the shaded portion where ABCD is a square of side 14 cm is 89.



90.	If the distance between the points (4, p) and (1, 0) is 5, t	hen t	he value of p is
	(A) 4	(B)	± 4
	(C) -4	(D)	0
91.	The probability of guessing the correct answer to a certa correct answer is $2/3$ , then x is equal to (A) 2	in te	st question is x/12. If the probability of not guessing the
	(C) 4	(D)	6
92.	Students of a class are made to stand in rows. If one stu	ident	is extra in a row, there would be two rows less. If one
	student is less in a row there would be three rows more.	The	number of students in the class are
	(A) 70	(B)	50
	(C) 60	(D)	80
93.	In a flight of 600 km an aeroplane was slowed down due	e to a	bad weather. If the average speed for the trip was reduced
	by 200 Km/h and the time of flight increased by 30 minut	tes, t	hen the duration of flight is
	(A) 1 hr	(B)	2 hrs
	(C) 3 hrs	(D)	4 hrs
94.	A bag contains five red balls and some blue balls. If the the number of blue balls in the bag is	proba	ability of drawing the blue ball is double that of red ball, then
	(A) 19	(B)	20
	(C) 15	(D)	25
95.	If $x = 2 + 2^{1/3} + 2^{2/3}$ then $x^3 - 6x^2 + 6x = \dots$ (A) 2 (C) 4	(B) (D)	1 3
96.	In a triangle ABC; OB and OC are the bisectors of $\angle ABC$	C and	$d \angle ACB$ respectively. Then $\angle BOC$ is equal to:
	(A) $90^{\circ} - \angle A/2$	(B)	$90^{\circ} - \angle A$
	(C) $90^{\circ} + \angle A/2$	(D)	$180^{\circ} - \angle A/2$
97.	If $\frac{a^{n+1} + b^{n+1}}{a^n + b^n}$ is the arithmetic mean between a and b, the	n the	e value of n is
	(A) 0	(B)	1
	(C) -1	(D)	2
98.	ABC is a right angled triangle, having the right angle at E incircle is equal to	3, su	ch that $BC = 6$ cm and $AB = 8$ cm. Then the radius of
	(A) 4 cm	(B)	3 cm
	(C) 2 cm	(D)	1 cm
99.	If the altitude of an equilateral triangle is x cm, then the a (A) $x^2$ cm <sup>2</sup> (C) $(x^2/\sqrt{3})$ cm <sup>2</sup>	area (B) (D)	is equal to $(\sqrt{3x^2/2}) \text{ cm}^2$ $(x^2/2) \text{ cm}^2$
100.	If (x-4) is a factor of $5x^3 - 7x^2 - ax - 28$ then the value of a (A) 35 (C) 55	is (B) (D)	45 25

### SPACE FOR ROUGH WORK

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### CLASS-10

## SCHOLASTIC APPTITUDE TEST (SAT)

### **ANSWERS**

#### **ANSWERS**

1.	D	2.	В	3.	В	4.	Α	5.	D
6.	С	7.	C	8.	С	9.	Α	10.	D
11.	Α	12.	D	13.	D	14.	D	15.	D
16.	В	17.	С	18.	С	19.	Α	20.	С
21.	С	22.	Α	23.	Α	24.	В	25.	Α
26.	С	27.	D	28.	С	29.	В	30.	D
31.	Α	32.	D	33.	D	34.	Α	35.	D
36.	D	37.	Α	38.	С	39.	В	40.	С
41.	D	42.	Α	43.	В	44.	D	45.	С
46.	В	47.	С	48.	В	49.	Α	50.	D
51.	В	52.	В	53.	В	54.	С	55.	в
56.	В	57.	Α	58.	D	59.	D	60.	С
61.	В	62.	C	63.	С	64.	D	65.	Α
66.	D	67.	В	68.	D	69.	В	70.	D
71.	В	72.	D	73.	Α	74.	В	75.	Α
76.	D	77.	D	78.	D	79.	Α	80.	В
81.	Grace	82.	C	83.	В	84.	D	85.	D
86.	Α	87.	C	88.	Α	89.	С	90.	В
91.	С	92.	C	93.	Α	94.	Grace	95.	С
96.	С	97.	Α	98.	С	99.	С	100.	В