ALL INDIA RPS OLYMPIAD 2021

(Organized by RPS Education Society Mahendergarh Haryana)

M.M. 60		Class 6 th	Class 6 th				
	<u>English</u> (15)						
Q. 1	Find the correctly spel	lt word.					
	(a) Efflorascence	(b) Efflorescence	(c) Eflorescence	(d) Efllorescence			
Q.2	The punch made the b	oxer with p	oain.				
	(a) grumble	(b) gape	(c) wince	(d) fumble			
Q. 3	All the teachers	that Sunita wou	ld stand at the top in th	e examination, but she			
	short of their	expectation.					
	(a) dreamt, achieved	(b) p:	resumed, failed				
	(c) expected, ran	(d) th	ought, fell				
Q.4.	Choose the word which	ch is opposite in meaning to	the given word.				
	IMPEDE						
	(a) Obstruct	(b) Advance	(c) Linger	(d) Guarantee			
Q. 5.	Choose the plural of the	he word given in bracket.					
	Scientists are always studying the (phenomenon) of nature.						
	(a) phenomenon (b) phenomenones						
	(c) phenomena	(d) pl	henomenas				
Q.6.	Ankit and Nikit are tw	vo brothers, the	is very clever.				
	(a) later	(b) latter	(c) last	(d) latest			
Q. 7	Keep the ball <u>rolling</u> .	The underlined word is					
	(a) present participle	(b) infinitive	(c) finite verb	(d) gerund			
Q. 8.	The farmers	their farms, if they	had known that a thund	lerstorm was			
	approaching.						
	(a) will leave	(b) would leave	(c) will have left	(d) would have left			
Q. 9.	The father was angry	and cast hi	s son.				
	(a) down	(b) about	(c) off	(d) of			
Q. 10.	When she parted	her parents, her ey	es were full of tears.				
	(a) from	(b) away	(c) off	(d) with			
Q. 11.	Sweet	the uses of adversity.					
	(a) are	(b) is	(c) likes	(d) has been			

Q. 12. Neither Mohan nor Sohan has left _____ place.

(a) their (b) theirs (c) its (d) his

Q. 13. Two children helped ____

(a) one another (b) each other (c) theirselves (c)

(d) themself

Direction: (Q 14 -15) A sentence has been given in Direct/ Indirect speech. Out of the four

alternatives, select the one which best expresses the same sentence in Indirect/ Direct speech.

- Q. 14. Dinesh asked, "Are you going to the party tomorrow, Eliza?"
 - (a) Dinesh asked whether Eliza was going to the party the next day.
 - (b) Dinesh asked Eliza you are going to the party the next day.
 - (c) Dinesh asked Eliza whether she was going to the party the next day.
 - (d) Dinesh asked if Eliza was going to the party the following day.

Q. 15. Filled with shame, she replied that she could not help snoring and hoped that her son would understand.

- (a) "I can't help snoring son", she said, filled with shame. "I hope you will understand."
- (b) "I am sorry but I can't help snoring, son," she said. "I hope you understand."
- (c) "I hope you understand that I can't help snoring, " she told her son.
- (d) "Son, I can't help it, but I hope you understand that I snore, "she said.

<u>Maths</u> (15)

Q. 16	One million =	·		
	(a) 1 lakh	(b) 10 lakh	(c) 100 lakh	(d) 1 crore
Q. 17	$\frac{1}{6} + \left(\frac{55}{14} - \frac{1}{2}\right)$ is the	reciprocal of		
	(a) $3\frac{28}{42}$	(b) $4\frac{29}{151}$	(c) $\frac{42}{151}$	(d) $3\frac{25}{42}$
Q. 18	The surface of which	of the following does	not represent a plane?	
	(a) A book	(b) Wall	(c) Floor of a room	(d) A football
Q. 19	The side of a regular	pentagonal shaped met	allic wire measures 12cm. If t	he wire is stretched out
	and made into a recta	ngle of width 12cm, w	hat will be the area of the rect	angle?
	(a) 216 cm^2	(b) 144 cm^2	(c) 324 cm^2	(d) 72 cm^2
Q. 20	The HCF of two co-p	rimes is		
	(a) the smaller number	er (b) the larger	number (c) 1	(d) None of these

Q21	A wire is cut into sev	eral small pieces. Ea	ch of the small pieces	is bent into a square of side 3cm. If		
	the total area of the s	mall squares is 108ci	m ² , then find the origin	al length of the wire.		
	(a) 108cm	(b) 144cm	(c) 136cm	(d) 138cm		
Q.22	The number of times	an observation is rep	peated in a data is calle	d		
	(a) Bar graph	(b) Pictogra	ph (c) Pie char	t (d) Frequency		
Q. 23	The fish caught by Y	ashika weighted $2\frac{3}{4}$	kg and the fish caught	by Kanika was of weight $10\frac{4}{5}gm$		
	less than that of Yash	nika's. Find the weigh	nt of fish caught by Ka	nika.		
	(a) 2.739kg	(b) 2.825kg	(c) 3.025kg	(d) 2.892kg		
Q. 24	What is 7A, if A is th	e number of line of s	symmetry of rectangle	?		
	(a) 4	(b) 7	(c) 14	(d) 21		
Q. 25	What is the sum of fa	nces and vertices of a	tetrahedron?			
	(a) 6	(b) 7	(c) 4	(d) 8		
Q. 26	Absolute value of -2	lies between				
	(a) -1 and 1	(b) –3 and –1	(c) 1 and 3	(d) 3 and 5		
Q. 27	Simplify: $(-9) + 9 + (-9) + 9 + (-9)$ till 99 terms.					
	(a) –9	(b) 9	(c) 0	(d) 18		
Q. 28	The product of a non-zero whole number and its successor is always					
	(a) an even number	(b) a	prime number			
	(c) an odd number	(d) d	livisible by 3.			
Q. 29.	Light travels 28×1000 km in 1 sec. How long (in hours) will it take to travels 504000000 km?					
	(a) 5 hours	(b) 4 hours	(c) 3 hours	(d) 6 hours		
Q. 30	The ratio of the marks secured by Riya and Sonia 5:6. If Sonia secured 78 marks, what did Riya					
	score ?					
	(a) 50	(b) 35	(c) 60	(d) 65		

Science (15)

- Q. 31 When more than one electric cell have to be used, they are joined to the electric circuit in such a way that _____.
 - (a) the positive terminal of one electric cell is connected to the positive terminal of the another electric cell

- (b) the negative terminal of one electric cell is connected to the negative terminal of the another electric cell
- (c) the positive terminal of one electric cell is connected to the negative terminal of the another electric cell
- (d) both the cells are parallel to each other with similar terminals in same side.
- Q. 32 The figure shows a ring magnet X, floating above another ring magnet, Y. This is because



- (a) Magnet X is lighter than magnet Y
- (b) Magnet Y is more powerful than magnet X
- (c) The like poles of both magnets are facing each other and they repel each other
- (d) The unlike poles of both magnets are facing each other and they attract each other.
- Q. 33. An atlas of India is drawn by taking scale 10cm =15000km. If the actual distance between the cities of Bhopal and Cochin is 1500km, the distance between the two places in the atlas will be _____ cm.

	(a) 10	02		(b) 1		(c) 10000	(d) 1000
Q. 34	List	t -1					List-II
	(P) Sl	nadow o	f the mo	oon fall	ing on the earth		1. Reflection
	(Q) P	inhole c	amera				2. Solar eclipse
	(R) F	ull moor	n day				3. Inverted image
	(S) B	ouncing	back of	f light			4. Lunar eclipse
	Code	:					
		Р	Q	R	S		
	(a)	1	2	3	4		
	(b)	2	3	4	1		
	(c)	4	3	2	1		
	(d)	1	3	2	4		

- Q. 35. In a pinhole camera, what kind of substance is used for a screen?
 - (a) Transparent (b) Opaque (c) Translucent (d) All (a), (b) and (c)
- Q. 36. Match the following:

	Column-A	Column-B
	(i) Cotton	(a) Smell of charred meat
	(ii) Wool	(b) Smell of burning plastic
	(iii) Silk	(c) Smell of burning paper
	(iv) Synthetic fibre	(d) Smell of burning hair
	(a) (i-d), (ii-a), (iii-b), (iv-c)	(b) (i-b), (ii-c), (iii-a), (iv-d)
	(c) (i-c), (ii-d), (iii-a), (iv-b)	(d) (i-c), (ii-a), (iii-d), (iv-b)
Q. 37.	Which of the following stater	nents is/are true?
	(i) Everything in the universe	is compound.
	(ii) Gases occupy all the space	e available to them.
	(iii) The three states of matter	r are always inter convertible.

- (a) Only (i) (b) Only (ii) (c) Both (i) and (ii) (d) Both (ii) and (iii)
- Q. 38. Which of the following is not a characteristic of a mixture?
 - (a) The components of a mixture have not fixed ratio by weight.
 - (b) The components of a mixture retain their original properties.
 - (c) The components of a mixture can be separated easily.
 - (d) Mixture are always soluble in water.
- Q. 39. Read the given statements and mark the correct option.

Statement 1: A new substance is formed during a physical change.

Statement 2: Beating of aluminium metal to give aluminium foil is a physical change.

- (a) Statement 1 is correct and statement 2 is incorrect.
- (b) Statement 1 is incorrect and statement 2 is correct.
- (c) Both statements 1 and 2 are correct.
- (d) Both statement 1 and 2 are incorrect.
- Q. 40. Which of the following are correct for food nutrients?

		Test	Observation	Result
1.	Potato + Dil.iodine		Blue-black colour	Starch present
2.	Soybean + CuSO ₄ + Dil. NaOH		Voilet colour	Protein absent
3.	Flour + Dil. iodine Egg white + Dil.iodine		Yellow colour	Protein present
4.			No blue-black colour	Starch absent
a)	1 and 2	(b) 2 and 3	(c) 3 an	d 4 (d) 1 an

Q. 41. Mountaineers carry oxygen cylinders while climbing high mountains because ______.

- (a) it is difficult to breathe at high altitudes
- (b) the air is thinner at higher altitudes
- (c) on moving up the oxygen present in the air reduces
- (d) all of these

Q. 42. Which of the following is incorrect for the organism as shown?

- (a) It lives in extremely cold conditions where the water is always below the freezing temperature.
- (b) Its body is streamlined, feet are webbed and is excellent swimmer.
- (c) It is a solitary animal who live alone near the sea.
- (d) It huddles together in groups to keep each other warm.



Q. 43. A specific characteristic that an organism can pass to its offspring is called :

- (a) function (b) structure
- (c) embryo (d) trait
- Q. 44. Which of the following is a mismatched pair?
 - (a) Sternum Breast bone
 - (b) Humerus Bone in upper arm
 - (c) Pelvis Strongest bone
 - (d) Pectoral girdle Shoulder girdle
- Q. 45. Which of the following is an example of oilseed?

(a) Mustard (b) Soya bean (c) Maize (d) Both (a) and (b)

Aptitude (15)

Q. 46 Complete the series.

	13, 35, 57, 79, 911, ?			
	(a) 1110	(b) 1112	(c) 1113	(d) 1315
Q. 47	7 Ecology is related to Environment in the same way as Histology is related to			ed to
	(a) Fossils	(b) History	(c) Tissues	(d) Harmones
Q. 48	8 Five policemen are standing in a row facing south. Shekhar is to the immediate right of Dhanush			diate right of Dhanush.
	Bala is between Basha and D	Dhanush. David is at the	e extreme right end of t	the row. Who is standing

in the middle of the row?

(a) Bala	(b) Basha	(c) Shekhar	(d) Dhanush	

(6)

- Q. 49. In a certain code BREAKDOWN is written as BFSCJMVNC. How is ORGANISED written in that code?
 (a) PSHBMCDRH
 (b) BHSPMCDRH
 (c) BHSPOCDRH
 (d) None of these
 Q. 50. Introducing a boy, a girl says, He is the son of the only sister of my mother's brother. How is the
- Q. 50. Introducing a boy, a girl says, He is the son of the only sister of my mother's brother. How is the boy related to that girl ?
 (a) Father-in- Law
 (b) Brother
 (c) Cousin
 (d) Niece
- Q. 51 A man walks 1km towards East and then he turns to south and walks 5km. Again he turns to East and walks 2km, After this he turns to North and walks 9km. Now, how far is he from his starting point?
- (a) 3km (b) 4km (c) 5km (d) 7kmQ. 52 If X means - , + means \div , - means X and \div means + , then $15 - 2 \div 900 + 90 \times 100 = ?$ (a) 190 (b) 180 (c) 90 (d) - 60



Q. 54 Which diagram best representation of the language, German, Japanese



- Q. 55 What was the day on 2nd July 1984?
 - (a) Wednesday (b) Tuesday (c) Monday (d) Thursday

Class 6th

- Q. 56 The angle between the hour hand and the Minute hand of a clock when time is 3:25 will be (a) 47.5^0 (b) 42.5^0 (c) 60^0 (d) 45^0
- Q. 57 Choose the best option from the following that complete the given analogy.



Q. 58 Choose the best option from the following that complete the given series.

(a) 1	Problem figure
(b) 2	
(c) 3	Answer figure
(d) 4	

Q. 59 How many triangles are in the figure given below?



Q. 60 In a digital representation, if we write '6821' as 'ROSE', '73456' as 'CHAIR' and '961473' as 'PREACH', then in same representation how 'SEARCH' is written ?
(a) 214673 (b) 214763 (c) 214676 (d) 216743

SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK