### **ALL INDIA RPS OLYMPIAD 2020**

(Organized by RPS Education Society Mahendergarh)

<b>M</b> .1	M. 60	Class 5 <sup>th</sup> GK	Time: 60 Mins.				
Q.1	Who is the brand ambassador of 2018 ODI Blind Cricket World Cup?						
	<ul><li>a) Virender Sehwag</li><li>c) Sachin Tendulkar</li></ul>	b) Shahid Afridi d) Vinod Kambli					
Q.2	When is the Indian Air For	ce Day celebrated?					
	<ul><li>a) December 4</li><li>c) November 14</li></ul>	b) November 8 d) October 8					
Q.3	Who is the Consumer Affai	rs, Food and Public Distributi	ion Minister of India?				
	<ul><li>a) Prakash Javadekar</li><li>c) Ramdas Athawale</li></ul>	b) Ram Vilas Paswan d) Nirmala Sitharamar	1				
Q.4	Who has won Australian op	en Men's singles title 2020?					
	<ul><li>a) Novak Djokovic</li><li>c) Rafael Nadal</li></ul>	b) Roger Federer d) Pete Sampras					
Q.5	How many Indian Prime M	inisters have died while in off	ice?				
	a) 1 b) 2	c) 3					
<b>Q.6</b>	Which Prime Minister's autobiography is titled 'Matters of Discretion'?						
	<ul><li>a) Indira Gandhi</li><li>c) Manmohan Singh</li></ul>	b) H.D Deve Gowda d) I.K Gujral					
Q.7	<b>Dimensions of Indian Econo</b>	author of the book 'Beyon omy (1984) and Challenges be b) Neelam Sanjiva Red d) Pranab Mukherjee	fore the Nation (1993)?				
<b>Q.8</b>	Which Bollywood personality has been appointed as the brand ambassador of						
	Switzerland tourism?	1) P G' 1					
	<ul><li>a) Alia Bhatt</li><li>c) Amitabh Bachchan</li></ul>	<ul><li>b) Ranveer Singh</li><li>d) None of these</li></ul>					
Q.9	· /	is the first Solar powered airc	craft?				
Q.J	a) Spirit of St. Louis	b) Mary Celeste					
Q.10	c) Solar Impulse 2	d) None of these for Road Transport and Hig	hways of India?				
	a) Nitin Jairam Gadkari	b) Harsh Vardhan					
	c) Jagat Prakash Nadda	d) Nirmala Sitharamar	1				
Q.11	Which of the following city	was the host of 107 <sup>th</sup> Indian S	cience Congress?				
	a) Delhi	b) Kolkata					
	c) Bengaluru	d) Hyderabad					

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Q.12	India's first bus to run on biog	as started from which of the following cities?				
	a) Kolkata	b) Mysore				
	c) Dehradun	d) Chandigarh				
Q.13	Which of the following was the	acting Prime Minister of India twice on the death				
	of Jawaharlal Nehru and Lal E	Bahadur Shastri				
	a) Purshottam Das Tandon	b) Gulzari Lal Nanda				
	c) Morarjee Desai	d) Chandrashekhar				
Q.14	A 25-year-old engineering gr	raduate from Odisha has become the younges				
	Member of Parliament to the 1	7 <sup>th</sup> Lok Sabha. What is the name of that MP?				
	a) Alka Lamba	b) Priyanka Chaturvedi				
	c) Chandrani Murmu	d) Pragya Singh Thakur				
Q.15	Who is the Minority Affairs M	inister of India?				
	a) Mukhtar Abbas Naqvi	b) Harsh Vardhan				
	c) Uma Bharati	d) Shripad Yesso Naik				
	M	ATHEMATICS				
Q.16		I is not valid". Give the most appropriate				
	b) The symbol of greater value c therefore, the numeral is invalid. c) According to the rules of Rom Therefore, the numeral is invalid	an system of numeration, L cannot lie left to the C.				
Q.17	Make the greatest six digit and	the least six digit number using the digits 8, 5, 9,				
	0, 2, 3 only once and find their	difference.				
	a) 681731	b) 581731				
	c) 981731	d) 781731				
Q.18	Which one of the following is not correct?					
	a) Value of a proper fraction is less than 1					
	b) Value of an improper fraction is greater than 1					
	c) Value of equivalent fractions are same					
	d) Value of a mixed fraction is le	ess than 1				
Q.19	X is the sum of the factors of 84. Which of the following is a correct statement?					
	a) The digits in hundreds and tens places of the sum are the same.					
	b) The digit in ones place is the s	b) The digit in ones place is the same as the digit in tens place.				
	c) The digit in hundreds place is the same as the digit in ones place.					
	d) The digit in ones place is the least.					

- Q.20 Find the number which is 4.2456 less than the product of 45.21 and 9.76.
  - a) 437.004

b) 443.4952

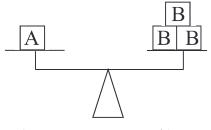
c) 447.7408

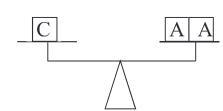
- d) 451.9864
- Q.21 Perimeter of a square is equal to the perimeter of the rectangle. If length and breadth of the rectangle is 24 cm and 20 cm respectively, find the area of the square.
  - a) 484 cm<sup>2</sup>

b) 490 cm<sup>2</sup>

c)  $516 \text{ cm}^2$ 

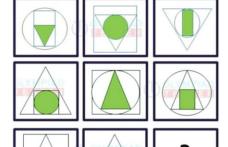
- d) 520 cm<sup>2</sup>
- Q.22 If object | C weighs 5 kg 700 gm, find the mass of object | B





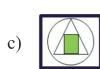
- a) 900 gm
- b) 1000 gm
- c) 2850 gm
- d) 950 gm
- Q.23 Which of the following options completes the pattern?















Q.24 Each item stands for a different value. The sum of each row and column is given.

What is the value of





- a) ₹12
- b) ₹84
- c) ₹125
- d) ₹45



# Q.25 The table below shows the different prices of coke which was sold in 2 shops. Ritu bought 18 cans of coke from Shop A. Rahul bought the same no. of cans of coke from Shop B.

Shop A	₹160 per pack of 3 cans
Shop B	₹310 per pack of 6 cans

Who spent more money to buy the drinks and by how much more.

a) Ritu, ₹30

b) Rahul, ₹20

c) Ritu, ₹60

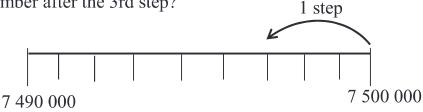
d) Rahul, ₹60

## Q.26 What least number should be subtracted from 24652 such that it becomes divisible by 196?

- a) 160
- b) 170
- c) 152
- d) 165

#### Q.27 Count backwards in steps of 3000 from 7500000.

What is the number after the 3rd step?



- a) 7 496 000
- b) 7 493 000
- c) 7 491 000
- d) 7 490 5000

#### Q.28 Match the following.

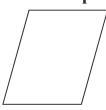
a)	4	3	1	2
_				

- b) 3 1 2 4
- c) 1 2 3 4
- d) 4 3 2 1

	List I	List II		
A.	6×3-6	1.	3×7-5	
B.	3×3-9	2.	4×9-1	
C.	2×9-2	3.	5×6-30	
D.	8×5-5	4.	5×4-8	

#### Q.29 How many lines of symmetry does this shape have?

- a) 0
- b) 1
- c) 2
- d) 4



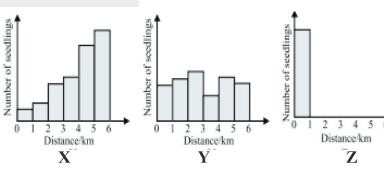
#### Q.30 An angle divides the plane into how many regions?

- a) 2
- b) 3
- c) 4
- d) 5

#### **ENGLISH**

Choo	se the correct answ	wer from the optio	ns given below.					
Q.31	Identify the common noun in the following sentence.							
	Mr. Ram Nath Ko	vind is the Presiden	nt of India.					
	a) Ram Nath Kovi	nd	b) President					
	c) India		d) None of these					
Q.32		dentify the kind of pronoun for the underlined word in the following sentence						
	Children are swim	ming themselves.						
	a) Distributive		b) Indefinite					
	c) Reflexive		d) Possessive					
Q.33	Choose the corre	ct word to complet	te the following ser	itence.				
	He is the	boy in the class.						
	a) lazier		b) laziest					
	c) lazy		d) more lazy					
Q.34	Complete the foll	Complete the following sentence choosing the correct adverb.						
	She has completed her degree course.							
	a) just		b) always					
	c) unusually		d) online					
Q.35	Choose a suitable pair of prepositions to complete the following sentence.							
	Uncle Varun was	waiting his fam	ily the office	e?				
	a) for, around	b) in, above	c) for, outside	d) in, against				
Q.36	<b>Choose the most</b>	probable conjunct	ion to join the foll	owing sentences.				
	We rented this how We could live near							
	a) so that	b) unless	c) and	d) but				
Q.37		article to complet	e the following sen	rtence.				
<b>Q</b> ,		one-rupee co	_					
	a) an	b) a	c) the	d) all of these				
Q.38	Choose the one w	ord which can be	substituted for the	given sentence.				
	One who knows m	One who knows many languages.						
	a) intelligent	b) clever	c) linguist	d) knowledgeable				
Q.39	What is the Past	Participle form of	Shine?					
	a) shine	b) shone	c) shining	d) shines				

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<b>Q.40</b>	<b>Choose the corre</b>	ct auxili	ary modal	l to complete the	following s	entence.
	The boys	work	hard if the	ey want to win the	competition	n.
	a) can	b) shou	ld	c) might	d) could	
Q.41	Choose the correc	t antony	m of the v	word 'active'.		
	a) sluggish	b) weak		c) sad	d) agile	
Q.42	<b>Choose the corre</b>	ct synon	ym for 'ga	allantry'.		
	a) splendour	b) hero	ism	c) loveliness	d) vigour	:
Q.43	Which one of the a) I am listening to b) We have helped c) They have been d) He had been liv	the new l many p	vs. eople in no for the last	eed. three hours.	perfect con	ntinuous tense?
Q.44	Choose the one-w	ord sub	stitution f	for the following s	sentence.	
	A fictitious name	adopted 1	by authors	or poets.		
	<ul><li>a) Synonym</li><li>c) Pseudonym</li></ul>			b) Acronym d) Homonym		
Q.45	Find the option w	vith corr	ect spellin	ıg.		
	a) obsesion	b) obsse	ession	c) obssesion	d) obsess	sion
				EVS		
Q.46	The first geologis 17 mission.	t who st	epped on	the moon,		was part of Apollo
	a. Harrison Schmitc. Kate Schmitt	tt		b. Harrison Wilsed. None of these	on	
Q.47	<ul> <li>b) New Moon,</li> <li>c) 1<sup>st</sup> Quarter I</li> <li>d) New Moon,</li> </ul>	Moon, 1 <sup>s</sup> 1 <sup>st</sup> Quar Moon, Fu Full Mo	ter Quarter Moon, all Moon, 1st Quarter Moon, 1s	Moon, New Moon, Full Moon, 3 <sup>rd</sup> Qu 3 <sup>rd</sup> Quarter Moon, arter Moon, 3 <sup>rd</sup> Qu	Full Moon arter Moon New Moon arter Moon	
Q.48	The part of a flow a) Ovule	wer whic	ch gets cor	<b>verted into edibl</b> b) Ovary	e part of fr	ruit is
	c) Sepal			d) Petal		
Q.49	•			·	•	entists who wanted
	approximate nun	nber of correct (	seedlings option wh	found at various	distances	s below show the around the parent od of seed dispersal



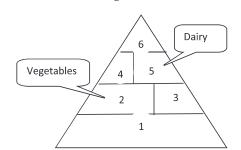
- a) Water
- b) Wind
- c) Wind
- d) Explosive action
- Explosive action
- Animal
- Animal
- water

- Animal
- Water
- Explosive action
- Animal
- chambered heart. Q.50 Crocodiles have
  - a. 1

- b. 2
- c. 3
- d. 4
- Q.51 Burning of garbage leads to \_\_\_\_\_\_ (i) can cause deadly diseases such as
  - (ii) and asthma.

Which of the following options correctly fills the blanks (i) and (ii)?

- a. (i)-Air pollution, (ii)-Lung cancer b. (i)-Water pollution, (ii)-Lung cancer
- c. (i)- Air pollution, (ii)-Cholera d. (i)- Air pollution, (ii)-Typhoid
- Q.52 Identify 1, 3, 4 and 6 in the given pyramid and select the correct option.
  - a. Fruits Grains **Proteins** Sweets and fats b. Grains **Proteins** Sweets and fats Fruits Sweets and fats c. Proteins Fruits Grains d. Grains Sweets and fats **Proteins** Fruits

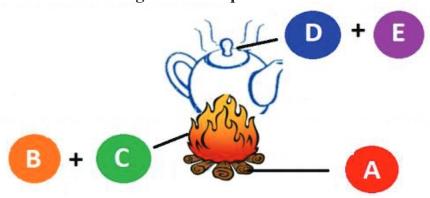


- Q.53 Animal dung is used to prepare an ecofriendly fuel 'Biogas'. The major component of this biogas is
  - a. Butane

b. Methane

c. Propane

- d. None of these
- Q.54 A tea pot was kept on the fire for boiling some water. As soon as the water started boiling the tea pot started whistling. Select the correct options showing the energy conversions during the whole process.



	A	В	С	D	Е
a	chemical	heat	light	heat	sound
b	light	Heat	potential	light	sound
c	chemical	Heat	sound	heat	light
d	potential	heat	light	heat	sound

Q.55	Given b	elow	are the various s	teps involved	in an	imal nutrition.	
			ilation	•	ii)	Ingestion	
	iii) A	Absor	ption		iv)	Digestion	
	•	Egesti	-				
	which	is the	correct sequentia	al order in an	anin	nal nutrition?	
			iv, i, v		b)	iii, i, iv, ii, v	
	c) i	i, iv, i	iii, i, v		d)	iii, iv, ii, v, i	
Q.56	The IN	C rej	ected the recomn	nendations of	the S	Simon Commission	and demanded
		_				a	
						obedience Movemer	
	c) India	an hoi	ne rule movement	d) Kh	ilafat	Movement	
0.57	Culf	f Ma	nnar is situated i	n (i)		ocean. This gulf to	ouchos the west
<b>Q.</b> 37						_ ocean. This guir to n tip of (iii)	
	coast o	1 (11)			aster		•
			i	ii		Iii	
		a	Indian	India		Lakshadweep	
		b	Indian	Srilanka	l	India	
		С	Indian	India		Srilanka	
		d	Indian	India		Maldives	
0 =0				~			
Q.58			is called as 'Dak	_			
			naputra	b)	Gang	-	
	c) (	Goda	varı	d)	Tapi		
0.50	XX/ J -J	9- 1	4 6-		ما در داد در		. 41 41
Q.59		's lar	gest mangrove ic	orest The Sul	naerb	oans' are situated or	n the coast line
	of	•	To a	la) Inc.	dian C	) a a a m	
	<ul><li>a) Aral</li><li>c) Bay</li></ul>				dian C	Ocean	
	c) Bay	OI DO	Jugai	u) At	iantic	Occan	
Q.60	India	has tl	ne	largest co	al res	serve in the world.	
	a) 5 <sup>th</sup>			b) 4 <sup>th</sup>			
	c) 2 <sup>nd</sup>			d) 3 <sup>rd</sup>			