## **ALL INDIA RPS OLYMPIAD 2020**

(Organized by RPS Education Society Mahendergarh)

M.M. 60 Class 4<sup>th</sup> Time: 60 Mins.

GK

#### Q.1 Global Family Day is celebrated on which date?

a) January 8

b) January 5

c) January 3

- d) January 1
- Q.2 Who won the Miss Deaf World 2019 Title?
  - a) Vidisha Baliyan



b) Mani Gulati



c) Nishtha Dudeja



RPS

d) Caroline Costa



- Q.3 Which film won the NETPAC Award for Best Asian Film at the 23<sup>rd</sup> Bucheon International Fantastic Film Festival?
  - a) Padmavat

b) Gully Boy

c) URI: The Surgical Strike

- d) Chumbak
- Q.4 Which of the following has received the 'Padma Bhushan 2018' award in the field of Literature and Education?
  - a) Shri Arvind Parikh

b) Shri Ramachandran Nagaswamy

c) Shri Ved Prakash Nanda

- d) Ms. Sharda Sinha
- Q.5 Name the first Indian Pilot?
  - a) J.R.D Tata
  - c) Rajiv Gandhi

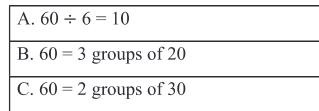
- b) Dilbagh Singh
- d) Biju Patnaik

<b>Q.6</b>	When is the Indian Army Day celebrated								
	a) January 15 b) January 20	c) January 11 d) January 22							
<b>Q.7</b>	Who is the first female railway driver ever in India?								
	a) Mumtaz Kazi	b) Shila Dawre							
	c) Kalpana Chawla	d) Surekha Yadav							
Q.8	was the longest serving Governor of Haryana.								
	a) Dharma Vira	b) Birendra Narayan Chakraborty							
	c) Ranjit Singh Narula	d) Jaisukh Lal Hathi							
Q.9	Which of the following words has been named as the Oxford Hindi word of the year 2019?								
	a) Samvad	b) Sanchaar							
	c) Samvidhaan	d) Sambodhan							
<b>O.10</b>	Which of the following was the first Prime Minister to visit Siachen?								
	a) Atal Bihari Vajpayee	b) Dr. Manmohan Singh							
	c) Lal Bahadur Shastri	d) Rajiv Gandhi							
Q.11	Name the President who put forward a countrywide plan called Technology Vision 2020 in 1998.								
	a) Ram Nath Kovind	b) Shankar Dayal Sharma							
	c) Pratibha Patil	d) APJ Abdul Kalam							
Q.12	Which city hosted the 23 <sup>rd</sup> National Yout	h Festival 2020?							
	a) Guwahati	b) Dispur							
	c) Mumbai	d) Lucknow							
Q.13	Which among the following launched 'Operation School Chalo' in South Kashmir?								
	a) BSF (Border Security Force)	b) Indian Army							
	c) CRPF (Central Reserve Police Force)	d) Indian Air Force							
Q.14	Name the city in which India's first sports museum is located.								
	a) Delhi	b) Chandigarh							
	c) Kolkata	d) Bengaluru							
Q.15	Which state government has launched the mobile app 'Mera Hunar' for job aspirants?								
	a) Haryana	b) Himachal Pradesh							
	c) Bihar	d) Uttar Pradesh							

### **MATHEMATICS**

Q.16	represents 174? a) Left to the X			b) R	b) Right to the V d) Between L and X				
Q.17	If a bus can t hours?							over in 3	
	a) 120km	b)	140km	c)	160km	d)	180km		
Q.18	What is the measurement of angle between hour hand and minute hand when the clock shows 12 o'clock?								
	a) $90^0$	o clock.		b) 18	$80^{0}$				
0.40	c) $0^0$	•		d) 10	$05^{0}$				
Q.19 What is Radha's mass?  Given:									
	-	Radha and Sapna have a total mass of 76kg 600 g.							
	Sapna and Disha have a total mass of 70kg 900 g.								
	Radha and Disha have a total mass of 68 kg 100 g.								
	) 27.1								
	a) 37 kg	Ra	adha	Sapna	Disha				
	b) 26 kg 900 g								
	c) 36 kg								
	d) 36 kg 900 g								
Q.20	Dharamvir went to purchase a cricket kit and gave the cashier two coins of ₹ 5, four notes of ₹ 10, three notes of ₹ 50 and two notes of ₹ 500. If the price of cricket kit was ₹ 1162, the change that he would have got back is  a) ₹ 38 b) ₹ 15 c) ₹ 30 d) ₹ 32								
0.21	a) ₹ 38 Which one of t	b) ₹ 1 he follow		/		/	32		
CILL	Statement A: 12 pairs of socks are 24 socks.								
Statement B: 5 rainbows have 35 colours.							$\dashv$		
	Statement C: 8 dice have 45 faces.								
	Statement D: 4 tic-tac-toe games have 36 boxes.								
				nave 36	b boxes.				
	a) Statement C	b) Sta	tement D	c) S1	atement A	d) S	tatement B		

Q.22 Lakshay is not good in Maths. He always makes mistakes while writing in his notebook. Write true (T)/ false (F) for the questions he wrote in his notebook. Questions are in the table given below. Choose the correct option:



- D.  $60 \div 3 = 20$
- a) TFTF
- b) TFFT
- c) FTTF
- d) TTFF
- Q.23 Which equation shows the commutative property of addition?
  - a) 5 + 4 = 5 + 4

b) 1 + (4 + 7) = (1 + 4) + 7

c) 6 + 1 = 7

- d) 8 + 4 = 4 + 8
- Q.24 A chess game started at 10:20 am and ended at 12:30 pm. How long did the game last?
  - a) 2 hours 10 minutes

b) 2 hours

c) 2 hours 20 minutes

- d) 1 hour 50 minutes
- Q.25 The cost of ploughing a field at ₹9 per square metre is ₹1872. If the breadth of the field is 13 m, then its length is \_\_\_\_.
  - a) 8 m
- b) 16 m
- c).39 m
- d) 3 m
- Q.26 Find the missing length of the side in the figure given below if the perimeter of the figure is 28m.
  - a) 12 m
  - b) 3 m
  - c) 9 m
  - d) 6 m

- ? 8 m
- Q.27 Two different lines in a plane having a common point are called
  - a) Intersecting lines

b) Parallel lines

c) Coplanar lines

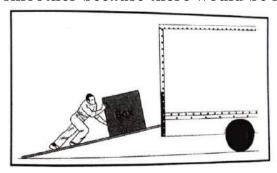
- d) Concurrent lines
- Q.28 Choose the correct option to complete the given pattern: 4, 10, 18, 28,\_\_\_,
  - a) 28, 30
- b) 30, 40
- c) 40, 54
- d) None of these
- Q.29 In numbers from 1 to 100, the digit 0 appears \_\_\_\_\_times.
  - a) 9
- b) 10
- c) 11
- d)12
- Q.30 How many times 45 should be added to itself such that their sum becomes 270?
  - a) 4
- b) :
- c) 6
- d) '

### **ENGLISH**

Choose the correct answer for the following questions with the help of the options given below.

	. •						
Q.31	Identify the kind of noun the underlined word represents.						
	They all said, he had a brain filled with knowledge.						
	a) Abstract no			b) Common noun			
	c) Material no			d) Collective noun			
Q.32	Choose the c	Choose the correct option to complete the following sentence.					
	A	_ of locusts attacked a	of cattl	e.			
	a) group, floc	ek b) swarm, herd					
	c) gang, herd		d) flock, crowd				
Q.33	Complete the following sentence choosing the correct pronoun.						
	We helped to get some coke at the party.						
	a) themselves		b) ourselves				
	c) yourself		d) himself				
Q.34	Find the kind of adjective for the underlined word in the following sentence.						
	Kiran and Lata go to a high school. There little brother goes to a primary school.						
	a) Adjective of quantity		b) Demonstrative adjective				
	c) Adjective of	of quality	d) Possessive adjective				
Direction (Q No.35 to 37): Find the most suitable adverbs in the following sentences.							
Q.35	The balloon	rose in	the sky.				
	a) heavily		b) fluently				
	c) quickly		d) deeply				
Q.36	.36 The team awaited their next opponent.						
	a) angrily	b) barely	c) eagerly	d) quickly			
Q.37	The man gru	nan grumbled while cleaning the table.					
	a) happily	b) enough	c) anxiously	d) loudly			
Direction (Q No.38 to 40): Choose the most suitable prepositions to complete the following sentences.							
Q.38	She is a	vacation. She is	Italy now.				
	a) on, in	b) at, at	c) in, on	d) into, at			

# Q.48 The box in the given figure would be easier to move if the surface of the ramp was smoother because there would be less –



a) mass in the box

- b) friction opposing the box
- c) gravity pulling on the box
- d) distance to push the box

### Q.49 Why do you feel cool after you start sweating?

- a) Condensation of water droplets.
- b) Solidification of salts in the water droplets.
- c) Evaporation of water droplets.
- d) Freezing of water droplets.

### Q.50 Which of the following birds has talons?







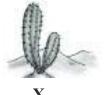


Q.51 Force can be defined as the product of

and

- a) Mass and distance
- b) Mass and acceleration
- c) Mass and displacement
- d) Force and displacement

### Q.52 Which of the following statements hold true regarding X and Y?





- 1. X depends partly on animals for food but can also make its own food while Y cannot make its own food.
- 2. X has chlorophyll while Y does not contain chlorophyll and is non-green.
- 3. In X, food is prepared by the green stem, whereas Y obtains its food from dead and decaying plants and animals.
- 4. X and Y have patches of green colour. Only green part of their leaves performs photosynthesis.
- a) 1, 3 and 4

b) 2 and 3

c) 1 and 4

d) 3 and 4

Q.53 The part of the brain which controls the action of vomiting is

a) Cerebellum

b) Cerebrum

c) Medulla Oblongata

d) Pons

Q.54 In a food chain the complete amount of energy never transfers from one trophic level to another. Only \_\_\_\_\_\_ percent of energy is transferred to the next trophic level and the rest is lost during the biological processes like respiration.

- a) 50
- b) 20
- c) 10
- d) 15

Q.55 Match the following:

I) Metamorphic rocks

a) Coal

II) Sedimentary rocks

b) Obsidian

III) Igneous rocks

c) Gneiss

IV) Fossil fuel

d) Shale

- a) I-b, II-d, III-c, IV-a
- b) I-c, II-b, III-a, IV-d
- c) I-c, II-d, III-b, IV-a
- d) I-b, II-a, III-c, IV-d

Q.56Read the following sentences and choose the correct option.

A. The distance of Sun from Earth is greater than the distance of Moon from Earth.

- B. A planet can move in any other planet's orbit.
- c. Mercury is the hottest planet of our solar system.
- D. Venus is called morning and evening star.
- a) TTTT
- b) FFFF
- c) TFTT
- d) TFFT

Q.57 The device used to measure the humidity of a particular area is called

a) Pschiometer

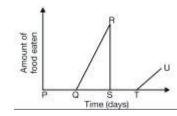
b) Psychrometer

c) Psychometer

d) Barometer

Q.58 Study the given graph carefully. The line QR shows the \_\_\_\_\_ stage of the mosquito.

- a) Egg
- b) Larval
- c) Pupa
- d) Adult



Q.59 The NagarjunaSagar dam is constructed on the river.

- a) Kaveri
- b) Krishna
- c) Godavari
- d) Narmada

Q.60 We get aluminium from \_\_\_\_\_ ore

- a) Bauxite
- b) Calamine
- c) Haematite
- d) None of these