## (Olympiad Excellence Question)

## **QUESTIONS**



**Direction (Q No. 5 – 6):** The given table shows the postage rate at a post office. Study it carefully and answer the following questions.

	Postage Rates			
	First 60 g	Every additional 50 g or part thereof		
Local mail	12.50 Rs.	2.50 Rs.		
Foreign mail	32.50 Rs.	4.50 Rs.		

5.	How much postage is ne	ow much postage is needed to send a local mail of weight 310 g?						
	(a) Rs. 22.50	(b) Rs. 25	(c) Rs. 30	(d) Rs. 27.50				
6.	The postage for sending	a parcel by foreign mail i	s Rs.136. What is the max	kimum possible weight of the parcel?				
	(a) 1.21 kg	(b) 1.22 kg	(c) 2.21 kg	(d) 2.12 kg				
7.	Tank A contains 6 times	s as much water as Tank I	B. How much water must	Mohan transfer from Tank A to Tank B				
	so that each tank contai	hat each tank contains 70 litres of water?						
	(a) 50 litres	(b) 60 litres	(c) 75 litres	(d) 120 litres				
8.	Soni can cycle from po	int A to point B and retu	rn to point A in 10 minu	tes. She can cycle and walk back in 18				
	minutes. It will take	ites. It will take mins for her to walk there and walk back.						
	(a) 15 minutes	(b) 26 minutes	(c) 30 minutes	(d) 36 minutes				
9.	Rajesh bought 13 kg of	peanuts. He saved? 195 b	oy using a store coupon. I	How much did he save per kg of ground				
	nuts?							
	(a) Rs. 10	(b) Rs. 20	(c) Rs. 18	(d) Rs. 15				
10.	Julie has Rs. 61.50 to be	uy lunch. If she buys a bu	rger that costs Rs. 42.75, 1	how much money is left with her?				
	(a) Rs. 14.75	(b) Rs. 15	(c) Rs. 16.25	(d) Rs. 18.75				
11.	How many 🖤 do yo	ou need to balance the las	st set-up? If					
	<u></u> ?							
	and then	n i sterioù an						
	(a) 8	(b) 7	(c) 10	(d) 6				
12.	3-pieces of pastries costs	s Rs. 345. What is the cos	t of one dozen pastries?					
	(a) Rs. 1320	(b) Rs. 1480	(c) Rs. 1420	(d) Rs. 1380				
13.	A beaker is $\frac{3}{7}$ filled with	n water. Another 20 litres o	of water is needed to fill th	e beaker to its brim. What is the capacity				
	of the beaker?							
	(a) 45 litres	(b) 20 litres	(c) 65 litres	(d) 35 litres				
14.	Mrs. Reeta had 17.85 n	n of ribbon. She cut 11 sr	naller pieces each of leng	th 0.45 m from it. How many metres of				
	ribbon were left?							
	(a) 3.15 m	(b) 12.9 m	(c) 8.85 m	(d) 17.5 m				
15.	A tailor had a piece of c	loth 7 m long. He cut 5 sm	naller pieces of cloth each	$\frac{3}{4}$ m from it. How many metres of cloth				
	were left?							
	were left?							
	(a) $\frac{1}{4}$ m	(b) $3\frac{3}{4}$ m	(c) $3\frac{1}{4}$ m	(d) $5\frac{3}{4}$ m				

16.	A shopkeeper mixed 4.75 kg of hazelnuts with 0.75 kg of raisins. He packed the mixture equally into 5 boxes. What						
	is the weight of each box?						
	(a) 1.25 kg	(b) 1.1 kg	(c) 1.55 kg	(d) 1.2 kg			
17.	Express $4\frac{1}{3}$ hrs in seconds.						
	(a) 16500 sec	(b) 15600 seconds	(c) 1650 sec	(d) 1560 seconds			
18.	It takes 30 minutes to wa	alk					
	(a) One gram	(b) One litre	(c) One metre	(d) One Kg			
19.	What goes in , 275	0cm 28 m					
	(a) <	(b) >	(c) =	(d) ≥			
20.	Aman's bag is 2.14 kg lig	ghter than Ajay bag. The v	weight of Ajay bag is 4.72	kg. How much does Aman bag weight?			
	(a) 2.58 kg	(b) 5.28 kg	(c) 4.02 kg	(d) 3.28 kg			
21.	Mary bought 450 gms o	f Amu! Butter and 250 gm	ns of mother dairy butter.	How much butter in kg she bought?			
	(a) 0.5 kg	(b) 5 kg	(c) 7 kg	(d) 0.7 kg			
22.	A tea pot holds about 18	800 ml of tea. How many	people can drink if they w	ant 2 cups of tea having capacity of 150			
	ml?						
	(a) 6	(b) 3	(c) 2	(d) 7			
23.	Which is more?						
	(a) 800 l	(b) 8 <i>kl</i>	(c) 800000 ml	(d) 80000 <i>cl</i>			
24.	A city tower is 1,385 fee	et tall with 85 stories. The	residential building is 15	05 feet tall with 105 stories. How much			
	taller is the residential bu	uilding than the city tower	?				
	(a) 50 feet	(b) 130 feet	(c) 80 feet	(d) 120 feet			
25.	Students collected bags of cloths and glass bottles. Each bag holds 21 bottles and each bottle contains 600 mi o						
	juice. If students filled 17	7 bags then how much of	juice did they collect?				
	(a) 632 litres	(b) 212.2 litres	(c) 612 litres	(d) 214.2 litres			
26.	It takes Alisha's family co	omplete 3 days to drive to	the hill station. They sper	nd 4 days at the shore. Then drive home			
	again. If they left home a	early Saturday on 5th Jan	, what day and date will th	ney return to home?			
	(a) 12th Jan, Monday		(b) 13th Jan, Tuesday				
	(c) 15th Jan, Thursday		(d) 14th Jan, Wednesday				
27.	To circulate the informat	tion about Global Olympia	ad Federation, coordinato	r decided to paste a poster on the notice			
	board, whose maximum	vertical height is 18 inch	es. Coordinator wanted to	know whether the height of tine poster			
	should be 2 feet long or	40 centimeter long.					
	(a) 2 feet	(b) 40 centimeters	(c) can't say	(d) None of these			
28.	A car's Diesel tank holds	85 litre of Diesel. A secor	nd car's Diesel tank holds	8.6 decalitre of Diesel. How much more			
	Diesel does the second o	car Diesel tank can hold?					
	(a) 1 litre	(b) 50 decilitre	(c) 100 decilitre	(d) 10 litre			

**29.** A television serial runs for 1/2 hour. If it had 9 mints, 19 seconds of advertisement, how long the story of the serial is displayed?

(a) 20 m. 10 sec. (b) 20 m. 50 sec. (c) 19 m. 20 sec. (d) 19 m. 10 sec.

**30.** Annie has Rs.200, She has to buy a jar of Chilly, a bottle of Apple jam and mixed fruit jam. So how much more money she needs to buy these?

Bottle of mixed fruit jam	Rs. 85.00
Bottle of Apple jam	Rs. 95.00
Jar of chilly	Rs. 82.00
Jar of tomato sauce	Rs. 76.00

(a) Rs. 62.00	(b) Rs. 50.00	(c) Rs. 70.00	(c) Rs. 64.00

ANSWER - KEY									
1.	С	2.	В	3.	С	4.	В	5.	В
6.	А	7.	А	8.	В	9.	D	10.	D
11.	D	12.	D	13.	D	14.	В	15.	С
16.	В	17.	В	18.	С	19.	А	20.	А
21.	D	22.	А	23.	В	24.	D	25.	D
26.	С	27.	В	28.	А	29.	В	30.	А

## **Answers** with Solutions

1. (c) Not Available

**2.** (b) Not Available

- **3.** (c) Not Available
- 4. (b) Not Available
- **5.** (b)  $12.50 + 5 \times 2.5 = Rs. 25$
- **6.** (a) Not Available
- 7. (a) Not Available
- **8.** (b) Let time for cycling = x and time for walking = y

We have x + x = 10, x + y = 18

$$2x = 10$$

$$x = 5$$

Hence time in walking from both sides = 26 minutes.

9. (d) Saving per kg = 
$$\frac{195}{13} = 15$$

- **10.** (d) Money left with Julie = 61.50 42.75 = 18.75
- 11. (d) Not Available
- **12.** (d) Cost of 3 pieces = 345

Cost of 12 pieces  $=\frac{345}{3} \times 12 = 1380$ 

**13.** (d) Let capacity of beaker = x

Then, 
$$\frac{3x}{7} + 20 = x \Rightarrow \frac{4x}{7} = 20$$
  
 $\Rightarrow x = 35$ 

14. (b) Length of smaller pieces  $= 11 \times 0.45 = 4.95$ Hence, ribbon left with Reeta = 17.85 - 4.95 = 12.90

**15.** (c) Length of 5 smaller pieces 
$$=\frac{5\times3}{4}=\frac{15}{4}$$

- $\therefore$  cloth left with tailor =  $7 \frac{15}{4} = \frac{13}{4} = 3\frac{1}{4}$  meters
- **16.** (b) Total weight of hazelnuts and raisins = 4.75 + 0.75 = 5.50 kg

: weight of each box = 
$$\frac{5.5}{5} = 1.1$$

**17.** (b) 
$$4\frac{1}{3}hrs. = \frac{13}{3}hrs. = \frac{13}{3} \times 60 \times 60 \text{ sec} = 15600 \text{ sec}.$$

- 18. (c) Not Available
- **19.** (a) Not Available
- **20.** (a) Weight of Aman's bag = 4.72 2.14 = 2.58
- **21.** (d) Total weight of butter = 450 + 250 = 700g = 0.7 kg
- **22.** (a) Quantity of tea that a person can drink  $= 2 \times 150 = 300 \text{ ml}$ .

$$\therefore \text{ number 01 people} = \frac{1800}{300} = 6$$

- **23.** (b) Not Available
- **24.** (d) 1505-1385=120 feet
- **25.** (d)  $21 \times 0.6 \times 17 = 214.2$
- **26.** (c) Not Available
- **27.** (b) Not Available
- **28.** (a) In the first car, quantity of diesel = 85 litres and in second car, quantity of diesel = 8.6 decalitres = 86 litres  $\therefore 86-85=1$  litre
- **29.** (b) Actual time of serial telecast =30 9 minutes 10 seconds = 20 minutes 50 seconds
- **30.** (a) Money needed to purchase required items = 82 + 95 + 85 = Rs. 262

Hence, required extra money = 262 - 200 = Rs. 62.