					SUB	ESTION SET- 2 JECT : S GRADE	20 CIEN													
S.N	Folder Number & Questio n Code		Торіс	-	on With Options					Ima	age ([If A	ny)				(Ans Opt	rrect swer ion – A, C, D)
1.	3_15 3501	mea	tion and asurement of ances	Some students c experiment to fi different rubber keep bouncing b when dropped fi height. Which ur most suitable fo results of their e													D			
			Op t hours	tion A	Opt kilograms	An: ion B	swei		netre		Opt	tion	С			Seco	Optio onds	on D		
S.N	Folder Number & Questio n Code		Торіс	Questic Answers					Ima	nge ([If A	ny)		<u> </u>		(Ans Opt	rrect swer ion – A, C, D)	
2.	4_24 10223	mea	tion and asurement listances	Identify the plan to the earth.	et that is closest	Use the information about the Solar System given below and answer the question.					В									
						Distance from sun (million km) Planet diameter (km)	Mercury 58 4,880	Venus 108 12,100	Earth 150 12,800	Mars 227 6,790	778		2,869	Neptune 4,497 49,000	Pluto 5,888 3,000					

					Answ	er Op	otio	ns									
	Folder Number & Questio n Code	O] Mercury	ption A	Optio Venus	n B		Mars	0	pt	tion	n C			Op Jupiter	tion D		
		wiereury								Jupiter							
S.N		Торіс	•	ith Answers ions				Ima	ge	e (I 1	f Any)			()	Correc Answe Option B, C, D	er - A,
3.	4_24 10224	Motion and measurement of distances	How many planets diameter than that		Use the information about the Solar System given below and answer the question.								С				
						Mercury	Venus	Earth Mars	s Ju	lupiter	Saturn Urar	us Neptun	e Plu	ito			
					Distance from sun (million km)	58	108	150 227	8	778	1,427 2,8	9 4,497	5,8	88			
					Planet diameter (km) 4,880 12,100 12,800 6,790 143,000 120,000 51,000 49,000 3,000												
					An	swer	Opti	ons									
			Option A	Option	B		•	Optio	n	С				Opti	ion D		
	2 3			4 5													
S.N	Folder Number & Questio	Торіс		Vith Answers tions				Im	ag	ge (If An	y)				Corre Answ (Optic A, B, C,	er on –

4.	4_24 10225	measurement of distances and then stops. The graph below shows how his pulse changes as he cycles. After he stops cycling, how many minutes does it take his pulse rate to come back to normal? and then stops. The graph below shows how his pulse changes as he cycles. After he stops cycling, how many minutes does it take his pulse rate to come back to normal?							
			Answer Options						
		0	Option A Option			Option C	Option D)	
		5 minutes		10 minutes		15 minutes	20 minutes		
S.N	Folder Number & Questio n Code	Topic	-	Vith Answers tions		Correct Answer (Option – A, B, C, D)			
5.	4_24 10230	Motion and measurement of distances		owing tables best nformation given in	on vario	ball from a height of 1 metre nigh it bounced each time. the question.	С		
		Bounce of a Tennis Ball on Various Surfaces							

					Answer	Options					
		0	ption A	Option B		Option C	Option D				
		Construction of the second	Height of bounce (cm) Surfac	Winnerstein and Antonio and		Height of bounce (cm)	Surface Height of bounce (cm)				
		Soft foam sheet Towel	30 Soft for 40 Towel	m sheet 30	Soft foam sh	40 and a set	Soft foam sheet 30 Towel 40				
		Text book	45 Text bo	100 100 100 100 100 100 100 100 100 100	Text book	58	Text book 60				
		Floor	58 Floor	60	Floor	61	Floor 60				
		Carpet	61 Carpet	70	Carpet	45	Carpet 45				
S.N	Folder	Topic	Question With	Question With Answers		Image (If Any)					
	Number		Option	S		Answer					
	&		-					(Option			
	Questio							– A, B, C,			
	n Code							D)			
	4_24	Motion and	Which of these can be	concluded				В			
6.	10231	measurement of	from the information I		Saroia and Ali d	ropped the same tennis ball	from a height of 1 meter on	D			
0.	10201	distances	GRAPH?				pounced each time. Study the				
						le and answer the question.	····,··				
					в	ounce of a Tennis Ball on Various Surfaces					
					70						
					£ 60						
					50 40 30 30						
					H9 30						
					¥ 20						
					10						
					Soft foam sheet	Towel Text book Floor	Carpet				
						SURFACE					
					Answer (Options					
			Option A	Opt	ion B	Option C	Option D				
			e depends on the height	the bounce is		the bounce depends on the	4	lon			
			n the ball is dropped.	different for a		type of ball that is dropped	-				
				surfaces.							

S.N	Folder Number & Questio n Code	Topic	Question With Option			Imag	e (If Any)	Correct Answer (Option – A, B, C, D)
7.	3_15 3526	Motion and measurement of distances.	Ball P was moving in the direction shown. After some time it collided with ball Q. The position and direction of motion of ball P after some time is shown below. Which of these could have been the direction of motion of ball Q before the collision?			$\rightarrow X$	LATER OP P	C
					Ansv	ver Options		
			Option A	Opti		Option	C Option	D
		Q —	\rightarrow	← O Q		0	Q	
S.N	Folder Number & Questio n Code	Topic	_	/ith Answers ions		Im	age (If Any)	Correct Answer (Option – A, B, C, D)
8.	3_15 3528	Motion and measurement of distances.	Here are images of th shown in each image object is the longest?	IS THE SAME. Wh				A

					Answer Options			
		Opt	tion A	Option B	Option	n C	Option D	
		the	e book	the eraser	the mol	pile	all are of the same le	ength
S.N	Folder Number & Questio n Code	Торіс	Ques	tion With Answers Options])	Correct Answer (Option – A, B, C, D)	
9.	4_25 11831	MOTION AND MEASUREMENT OF DISTANCES	Two strings a and Kirti pull	rn around the pin at its centre. are hooked to the rod. Mitul on the strings with equal force ons shown. In which case will he rod turn?				B
				Ar	swer Options			
		Optio	n A	Option B	Option C		Option D	
		String Rod	String	()	•	ļ.	Î	
S.N	Folder Number & Questio n Code	Торіс	Ques	tion With Answers Options]	Image (If Any)		Correct Answer (Option – A, B, C, D)
10.	4_25 11834	MOTION AND MEASUREMENT OF DISTANCES	water as sho and does not If all the wat poured into	o beakers containing oil and wn below. Oil floats on water t mix with it. er from the first beaker is the beaker of oil, what will be he second beaker?	Water → 40	E 200 ml E 160 120 80 40 ◀	Dil	B

				Answer Options		
			Option B	Option C	Option D	
	E 100 m E 160 E 120 E 80 E 40		200 ml 160 120 40	200 ml 160 120 80 40	200 ml 160 120 60 40	
Folder Topic Number & Questio n Code		Que	stion With Answers Options	Image	Correct Answer (Option – A, B, C, D)	
4_25 11836	MOTION AND MEASUREMENT OF DISTANCES	the period did his hea	10:02 a.m. to 10:20 a.m. How rtbeat change between10:10	140- 120- 9100- 80- 80- 80- 80- 80- 80- 80- 80- 80-	└─── 	C
				iswer Options		
	Option	n A	Option B	Option C	Option D	
	It increased and t decreased.	hen	It increased at a uniform pace.	It decreased at a uniform pace.	It stayed constant.	
	Number & Questio n Code 4_25	Folder Topic Number & & Ouestio n Code MOTION AND 4_25 MOTION AND 11836 MEASUREMENT OF DISTANCES Image: Comparison of the second of the se	Folder Topic Questio & Questio Provide A_25 MOTION AND The graph stress 11836 MEASUREMENT OF DISTANCES OF DISTANCES It increased and then It increased and then	Folder Number & Questio n Code Topic Topic Question With Answers Options 4_25 MOTION AND MEASUREMENT OF DISTANCES The graph shows Ashok's heartbeat during the period 10:02 a.m. to 10:20 a.m. How did his heartbeat change between10:10 and 10:16? 4_25 MOTION AND MEASUREMENT OF DISTANCES The graph shows Ashok's heartbeat during the period 10:02 a.m. to 10:20 a.m. How did his heartbeat change between10:10 and 10:16? 4 Image: Comparison of the period for the p	Option A Option B Option C 200 ml 200 ml 200 ml 200 ml 1300 100 100 100 100 40 100 100 100 100 100 4_25 MOTION AND MEASUREMENT 0F DISTANCES The graph shows Ashok's heartbeat during the period 10:02 a.m. to 10:20 a.m. How did his heartbeat change between 10:10 and 10:16? 100 100 11836 MOTION AND MEASUREMENT OF DISTANCES The graph shows Ashok's neartbeat during the period 10:02 a.m. to 10:20 a.m. How did his heartbeat change between 10:10 and 10:16? 100 100 11836 MOTION AND MEASUREMENT OF DISTANCES The graph shows Ashok's neartbeat during the period 10:02 a.m. to 10:20 a.m. How did his heartbeat change between 10:10 and 10:16? 100 11836 MOTION AND MEASUREMENT OF DISTANCES The graph shows Ashok's neartbeat the state s	Option A Option B Option C Option D 1000

S.N	Folder Number & Questio n Code	,	Торіс	Questi	on With Answers Options	Imag	e (If Any)	Correct Answer (Option – A, B, C, D)
12.	4_25 11925		on and surement of nces	present rate of	is to rotate at twice its f rotation, which of these ly to be observed?			A
					Α	nswer Options		
			-	tion A	Option B	Option C	Option D	
			There will be nights withir	e 2 days and 2 n 24 hours.	There will be only 1 day O night in 24 hours.	R 1 The 24 hour duration of the day-night cycle will not che day-night cycle will not		
S.N	Folder Number & Questio n Code		Торіс	Questio	on With Answers Options	Image	e (If Any)	Correct Answer (Option – A, B, C, D)
13.	4_25 11926		on and surement of nces		e the season in New Delhi tion of the earth is at R as igure?	P SUN SUN C Q	R	B
					Α	nswer Options		
			Op	otion A	Option B	Option C	Option D	
					Winter	Rainy Season	Spring	

S.N	Folder Number & Questio n Code	Торіс	-	n With Answers Options	Image ()	lf Any)	Correct Answer (Option – A, B, C, D)
14.	3_16 2376	Motion and measurement of distances	measure the volu be done in the si These are not pu 1.Lower the ston thread slowly int 2.Calculate the d readings. 3.Read the scale. 4.Fill the cylinder required level. 5.Take the new r 6.Make sure the and water does r What is the corre	ifference in the two with water to the eading. stone is fully submerged			A
				Ansv	wer Options		
		0	ption A	Option B	Option C	Option D	
		4, 3, 1, 6, 5,	2	1, 6, 3, 4, 2, 5	5, 1, 2, 4, 3, 6	3, 4, 5, 2, 1, 6	
S.N	Folder Number & Questio n Code	Торіс	•	With Answers Options	Image (If Any)	Correct Answer (Option – A, B, C, D)

	3_16	Motion and	If 10,00,0010 &	mu;g is 1 gram, about how	Study this tabl	e containing	pollution	data about v	various Indian cities	А
15.	2379	measurement of	many MILLIGR	AMS of SPM would there be	on a particular	r day and ans	wer the qu	uestion.		
15.		distances		/sup> of air in Colaba in		,				
		alstances	Mumbai							
			wumbai		CITY	Suspended Particulate Matter SPM (µg/m ²)		Pollution		
					Ahmedabad (Ashram Road)	140	SO ₂ (μg/m ³)	NO ₂ (μg/m ³)	_	
					Bangalore (J.C. Road)	205	5	23		
i					Chandigarh (Sector 7)	265	17	25		
					Chennai (T. Nagar)	270	10	6		
					Delhi (Lajpat Nagar)	413	7	24		
					Guwahati (Silpukhuri) Hyderabad (Sr. Nagar)	114 232	13	27		
					Kolkata (Shvam Bazar)	146	0	38	_	
					Lucknow (Dalibagh)	357	10	22	_	
					Mumbai (Colaba)	291	9	21	-	
				Α	nswer Opti	ons				
		Opt	tion A	Option B	OI	ption C			Option D	
		0.291		2.91	291			2910		
l										