







SCHOLARSHIP Cum 31st December 2023

ADMISSION TE

For Grades III to XI

Appearing for Class VII

Scholarship Aspirants Today Victors in Life Tomorrow!

At RPS Excellence is a HABIT

JEE ADVANCED-2023

NEET-2023





SUPER ACHIEVEMENTS OF **RP5** GROUP OF SCHOOLS Session: 2023-24



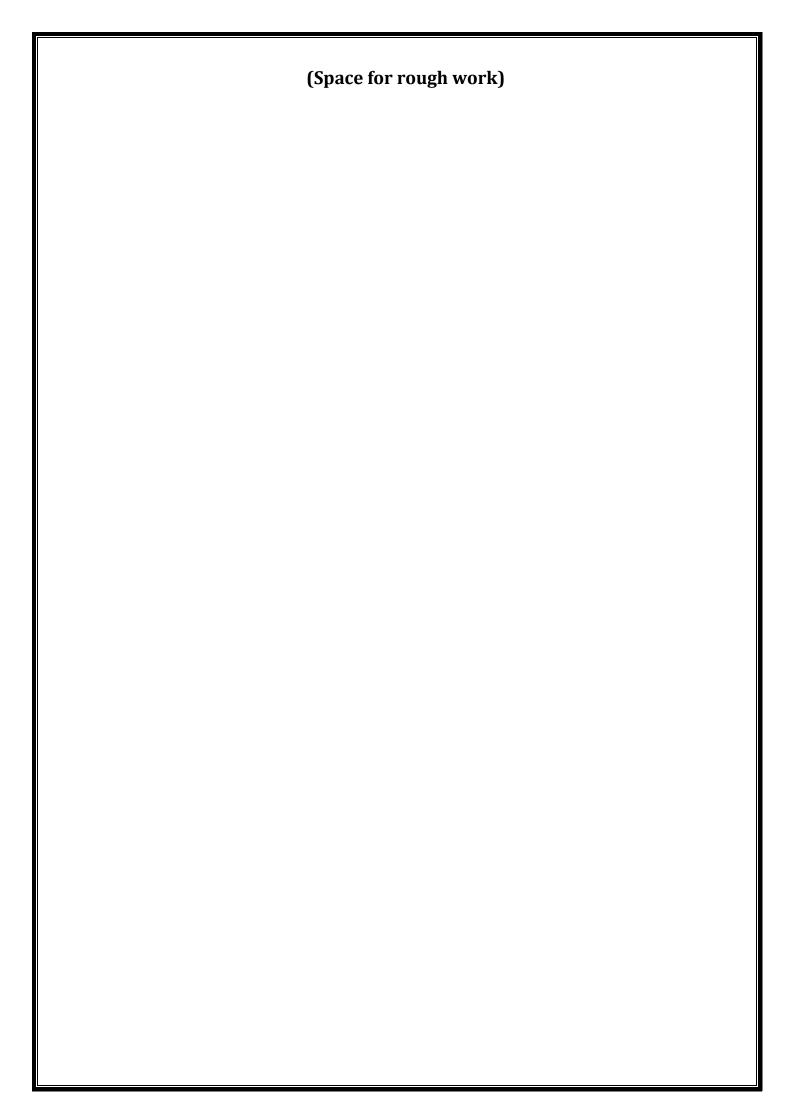




















APPEARING FOR CLASS VII

	1 r		1		11	
Science: 1-20	I	Maths: 21-40		Social Science: 41-60		English: 61-80
	U 1	•				

TIME: 90 Minutes M.M. 80

_	Student's Name: Fat	her's Name :	Mobile No.:	
	Address			
	Present School:			
				•

General Instructions:

- 1. Duration of Test is 90 minutes and Question Paper contains 80 Questions with maximum 80 marks.
- 2. Use of gadgets is not allowed.
- 3. Student should abide by the instructions issued during the examination by the invigilator or the centre incharge.
- 4. Before attempting the question paper ensure that it contains all the pages and that no question is missing.
- **5.** There is No Negative marking.

Correct Method

Wrong Method



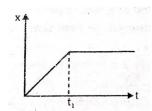
Science (20 Marks)

Physics (07 Marks)

- 1. When sunlight falls on a red rose, it appears red because
 - (a) It is a red rose
- (b) Rose absorbs red colour of the light and reflects remaining colours
- (c) Rose reflects red colour and absorbs the remaining colours of the light.
- (d) The wavelength of red light increases after being reflected from rose while the wavelengths of remaining colours remain same.
- 2. A car travels a distance from A to B at a speed of 40 km/h and returns to A at a speed of 30 km/h. What is the average speed for the whole journey?
 - (a) 10 km/h
- (b) 34.3 km/h
- (c) 1200 km/h
- (d) 70 km/h
- 3. The diagram shows a magnet being used to pick up a steel bar. The S- pole of the magnet is close to the centre Y of the steel bar as shown. What are the poles induced in the steel bar at X, Y and Z?

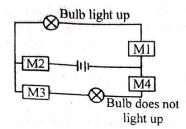
	Pole induced at x	Pole induced at Y	Pole induced at Z	Z
(a)	N	N	N	tier
(b)	N	S	N	
(c)	S	N	S	<u>(v)</u>
(d)	S	S	S	X Y Z

4. The figure shows the displacement – time graph of a particle moving along the x- axis. Which of the following statement will describe the motion of the particle correctly?



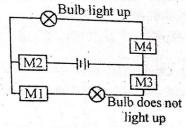
- (a) The particle is moving continuously.
- (b) The particle is at rest.
- (c) The velocity of the particle increases upto time t_1 and then become constant.
- (d) The particle moves with a constant velocity upto time t_1 and then stops.
- 5. Two lamps X and Y are connected in series. The lamp X glows less bright than Y. Then
 - (a) Then resistance of X is greater than the resistance of Y.
 - (b) The resistance of X is lesser than the resistance of Y.
 - (c) The resistance of X is equal to the resistance of Y.
 - (d) There is no relation between the resistances of X and Y.

6. In the diagram shown below, four materials, M_1 , M_2 , M_3 and M_4 , are connected in a circuit to find out which material is a conductor of electricity.



The material are then rearranged in the same circuit to find out which material is a conductor of

electricity.



What conclusion can be made from the above results?

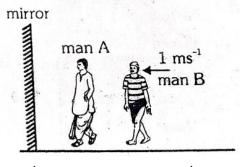
(1) M1 is conductor of electricity

(2) M2 is insulator of electricity

(3) M3 is insulator of electricity

(4) M4 is conductor of electricity

- (a) 1 and 4
- (b) 2 and 3
- (c) 1, 2 and 4
- (d) 1, 3 and 4
- 7. Man A is facing a plane mirror while man B is running towards him from behind. If man B is running at a speed of 1 ms⁻¹, how fast does man B seem to be running towards man A?



- (a) 2 ms^{-1}
- (b) 1 ms^{-1}
- (c) 0.5 ms^{-1}
- (d) 2.2 ms^{-1}

Chemistry (07 Marks)

- 8. An object that sinks in water:-
 - (a) Wax
- (b) Crystals

- (c) any oil
- (d) none of these

- 9. A liquid that mixes well in water is:
 - (a) Vinegar
- (b) oil

- (c) wax
- (d) none of these

- 10. The yarn is wound on big reels which are called:
 - (a) bailing
- (b) bobbins

- (c) retting
- (d) none of these

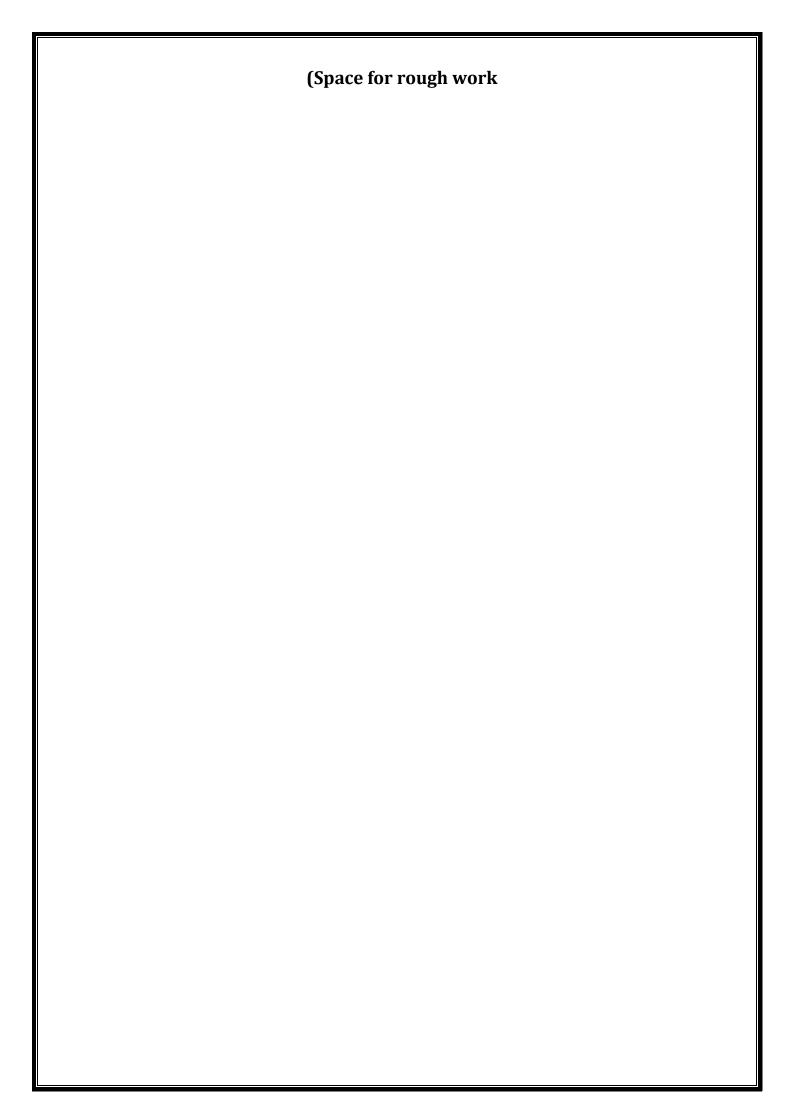
11.	_	o oxygen in the air is:			
	(a) 1:4	(b) 4:1	(c) 3 : 1	(d) 1:2	
12.	air is use	d to inflate tyres of vel	nicles.		
	(a) Compressed	(b) Heavy	(c) Condense	ed (d) Liquid	
13.	A mixture of iodine an	nd sand can be separate	ed by:		
	(a) Decantation	(b) Centrifugation	(c) Filtration	(d) Sublimation	
14.	The grains which are	fall vertically down on	the ground –		
	(a) Heavier	(b) lighter	(c) stronger	(d) None of these	
		Biology	/ (06 Marks)		
15.	How many occipital c	ondyles do humans po	ssess?		
	(a) 4	(b) 1	(c) 3	(d) 2	
16.	Which of the adaptive	radiation is used by po	oikilotherms to protect	against extreme heat ?	
	(a) Migration	(b) Cooling	(c) Aestivati	on (d) Hibernation	
17.	What is the first step i	n the process of plant g	growth?		
	(a) Seed fermentation		(b) Seed desiccation	ı	
	(c) Seed germination		(d) Seed dormancy		
18.	8. Which gas is generated on the decomposition of the organic matter present in sanitary landfill?				
	(a) Oxygen	(b) Methane	(c) Nitrogen	(d) Hydrogen	
19.	Starch can be tested b	y using			
	(a) Iodine solution		(b) Caustic soda		
	(c) Copper sulphate		(d) Fehling's solution	on	
20.	'X' is a plant which is	an autotroph as well a	s a heterotroph. What	could 'X' be –	
	(a) Pitcher plant	(b) Algae	(c) Cuscuta	(d) Fungi	
<u> </u>					
		<u>Mathemati</u>	<u>cs (</u> 20 Marks)		
			1-000		
21.		of the prime factors of			
	(a) 39	(b) 32	(c) 34	(d) 38	
22.		g number in roman nu		/A	
	(a) LLX	(b) XXI	(c) LXXX	(d) LX	
23.		_		kfast and Rs. 80 for lunch per	
		•		nount while checkout ?	
	(a) Rs. 2700	(b) Rs. 4000	(c) Rs. 3400	(d) Rs. 3900	

24.	How many times does	the digit 2 occur between	een 1 and 100?	
	(a) 12	(b) 20	(c) 9	(d) 10
25.	Circumference of a circ	cular disc is 88 cm. Its	radius is	
	(a) 8 cm	(b) 11 cm	(c) 14 cm	(d) 44 cm
26.	Given two whole numb	pers a and b, which of t	the following may not	always be whole numbers.
	(a) a – b	(b) $2a + b$	(c) $a \times b$	(d) a + b
27.	Find the least number v	which when divided by	6, 15 and 18 leave ren	nainder 5 in each case.
	(a) 95	(b) 180	(c) 90	(d) 185
28.	Which of the following	g statement is false?		
	(a) $23 + (-31) = 8$		(b) Every negative in	teger is less than 5
	(c) $ -18 > -13 $		(d) - 20 - (-5) = -15	5
29.	Which of the following	g statement is true?		
	(a) (-8) $-3 = (-3) - (-8)$	3)	(b) $-5 -4 > -12 + 2$	
	(c) $(-15) - (-22) < (-22)$	2) – (–15)	(d) - 13 > -8 - (-6)	
30.	What fraction of the na	atural numbers from 2 t	to 12 are prime number	rs?
	(a) $\frac{1}{11}$	(b) $\frac{10}{11}$	(c) $\frac{5}{11}$	(d) $\frac{6}{11}$
-	11	11	11	` 11
31.	What is the mean of fir	-		
	(a) 10.2	(b) 11.3	(c) 11.2	(d) 11.4
32.	0.7499 lies between		4.0-40 10	
	(a) 0.74992 and 0.75		(b) 0.749 and 0.75	
22	(c) 0.759 and 0.799	£4:11:	(d) 0.7 and 0.74	641 4 - 64'1': 100 · · · '-
33.		of tiling a rectangular p	iot of area 800 sq. m, i	f the cost of tiling 100 sq. m is
	Rs. 600.	(b) Do 40	(a) Da 4900	(4) D = 000
34.	(a) Rs. 14	(b) Rs. 48	(c) Rs. 4800	(d) Rs. 900 of each side of polygon is
34.			ter in units, then length	of each side of polygon is
	(a) $\frac{m}{n} - 1$	(b) $\frac{n}{m}$	(c) mn	(d) none of these
2.5		r .	•	
35.	The diameter of a circle	e whose radius is $\frac{1}{2}$ is	equal to	
	(a) $\frac{r}{4}$	(b) r^2	(c) r	(d) 2r
	4		(-)-	(4) =-
36.				en the smaller number is
	(a) 72	(b) 90	(c) 54	(d) 48
37.	The ratio of the numbe	_	_	
	(a) 1 : 4	(b) 1 : 3	(c) 2:3	(d) 1:2

38.	Which of the following	ng is correct:		
	(a) $3:5=2:5$	(b) $3:5=15:25$	(c) $7:3=12:3$	(d) $5:15=8:20$
39.	If $a : b = 5 : 9$ and $b :$	c = 4:7, then $a:b:c$	is	
	(a) 5:36:7	(b) 20 : 36 : 63	(c) 5:9:63	(d) None of these
40.	What is the value of	2013×2.013 201.3×20.13 ?		
	(a) 0.01	(b) 0.1 (c) 1		(d) 10
		Social Scien	ice (20 Marks)	
41.	Who was the adviser	of Chandragupta Mau	rya ?	
	(a) Buddha	(b) Tansen	(c) Kautilya	(d) Birbal
42.	Who could not partic	ipate in the assemblies	of ganas?	
	(a) Women	(b) Dasas	(c) Kammakaras	(d) All of these
43.	Which were the two	words used to describe	the people or the comm	nunity as a whole?
	(a) Jana and Vish	(b) Aryas and Dasa	(c) Both (a) a	and (b) (d) None of these
44.	Inamgaon was situate	ed on the river Ghod w	hich was the tributary o	f –
	(a) Bhima	(b) Ravi	(c) Indus	(d) Ganga
45.	The Great Bath was f	ound in		
	(a) Ganweriwala	(b) Harappa	(c) Rakhi garhi	(d) Mohenjodaro
46.	Name the crops which	h were first grown by	early humans?	
	(a) Wheat and Rice		(b) Cotton and Barle	ey .
	(c) Wheat and Barley	,	(d) Rice and Cotton	
47.	Which is the most rec	cognizable constellatio	n ?	
	(a) The Saptarishi	(b) The Moon	(c) The Sun	(d) The Mars
48.	In which ocean are To	onga Islands situated?	,	
	(a) Indian Ocean	(b) Atlantic Ocean	(c) Pacific Ocean	(d) None of these
49.	(a) Prime Meridian(c) Tropic of Cancer		n the globe is called (b) Tropic of Caprico (d) Circle of Illumin	orn
50.		stribution of forests are		(d) Distributaries man
51.			(c) Political map mosphere by percentage	
52.	(a) Oxygen The Indian Islands in	(b) Carbon dioxide the Arabian sea are kr	` '	e (d) Nitrogen
	(a) Andaman and Nic		(b) Maldives	
	(c) Lakshadweep		(d) None of these	

53.	Who coined the phi	ase "Unity in Diversity"	" ?			
	(a) Mahatma Gandl	ni	(b) Dr. B. R. Ambedka	ar		
	(c) Jawahar Lal Nel	nru	(d) Indira Gandhi			
54.	Dr. B. R Ambedkar	belonged to which cast	e ?			
	(a) Mahar	(b) Nair	(c) Brahmin	(d) Ezhava		
55. In which type of government do the kings or queens not have to explain their action or decision						
	they take?					
	(a) Democracy	(b) Monarchy	(c) Both (a) and (b)	(d) None of these		
56.	Zila Parishad works	s at				
	(a) District level		(b) Block level			
	(c) Village level		(d) None of the	ese		
57.	Land records at the	village level are taken o	care of by the			
	(a) Chaukidars	(b) Tehsildar	(c) District Collector	(d) Patwari		
58.	Onam festival is ma	ainly celebrated in	•••			
	(a) Punjab	(b) Gujarat	(c) Kerala	(d) Bihar		
59.	Mathura became the	e second capital of				
	(a) Pandyas	(b) Kushanas	(c) Pallavas	(d) Guptas		
60.	0. What was the capital of Chalukyas ?					
	(a) Aihole	(b) Mathura	(c) Kanchipuram	(d) Madurai		
	English (20 Marks)					
Civ	e appropriate answe					
GIV		71° •				
61			,			
61.	We have	university in our city		(d) no article		
	We have(a) a	university in our city (b) an	7. (c) the	(d) no article		
	We have sugar i	university in our city (b) an is bad for your health.	(c) the			
62.	We have sugar in (a) The	university in our city (b) an		(d) no article (d) no article		
62.	We have sugar in (a) The is money.	university in our city (b) an is bad for your health. (b) A	(c) the	(d) no article		
62. 63.	We have sugar in (a) The is money. (a) Noun	university in our city (b) an is bad for your health. (b) A (b) Pronoun	(c) the (c) An (c) Verb			
62. 63.	We have sugar in (a) The is money. (a) Noun Have you got	university in our city (b) an is bad for your health. (b) A (b) Pronoun apple in your ba	(c) the (c) An (c) Verb	(d) no article (d) Adjective		
62.63.64.	We have sugar in (a) a sugar in (a) The is money. (a) Noun Have you got (a) some	university in our city (b) an is bad for your health. (b) A (b) Pronoun apple in your ba (b) any	(c) the (c) An (c) Verb	(d) no article		
61.62.63.64.65.	We have sugar in (a) a sugar in (a) The is money. (a) Noun Have you got (a) some How much	university in our city (b) an is bad for your health. (b) A (b) Pronoun apple in your ba (b) any do you need ?	(c) the (c) An (c) Verb ag? (c) many	(d) no article(d) Adjective(d) none of these		
62.63.64.	We have sugar in (a) a sugar in (a) The is money. (a) Noun Have you got (a) some How much (a) bananas	university in our city (b) an is bad for your health. (b) A (b) Pronoun apple in your ba (b) any	(c) the (c) An (c) Verb (c) many (c) eggs	(d) no article (d) Adjective		

(a) 68. Ke (a) 69. Th (a) 70. He (a) 71. Th (a) 72. Ih (a) 73. He (a) 74. Sh (a)	nis photo was taken by) This elvin was	(b) was	(c) by	(1)
68. Ke (a) 69. Th (a) 70. He (a) 71. Th (a) 72. Ih (a) 73. He (a) 74. Sh (a)		(b) was		(d) me
(a) 69. Th (a) 70. He (a) 71. Th (a) 72. Ih (a) 73. He (a) 74. Sh (a)	21 v 111 w as	mathematician	(e) by	(d) IIIC
69. Th) excellent	(b) more excellent	(c) most excellent	(d) an excellent
(a) 70. He (a) 71. Th (a) 72. Ih (a) 73. He (a) 74. Sh (a)	nis dress is mine. (Pick		(c) most executint	(d) all excellent
70. He (a) 71. Th (a) 72. Ih (a) 73. He (a) 74. Sh (a)	,	,	(a) mina	(d) none of those
(a) 71. Th (a) 72. Ih (a) 73. He (a) 74. Sh (a)) This	(b) dress	(c) mine	(d) none of these
71. Th (a) 72. I h (a) 73. He (a) 74. Sh (a)		s. (Tell the kind of adverb)		(1) F
(a) 72. I h (a) 73. He (a) 74. She (a)		(b) Place	(c) Time	(d) Frequency
72. I h (a) 73. He (a) 74. Sh (a)	ne bride was			
(a) 73. He (a) 74. She (a)) beautiful	(b) beauty (c)	beautifully	(d) as beautiful as
73. He (a) 74. Sh (a)	nave been	(try) to bake a perfect ca	ake since morning.	
(a) 74. Sh (a)) tries	(b) try	(c) trying	(d) tried
74. She (a)	e was(bi	te) by a snake.		
(a)) bitten	(b) bite	(c) biting	(d) bit
	ne (get) the mail last week.		
75. Th) gets	(b) gotten	(c) get	(d) got
	ne food was distributed	d the childs	en.	
(a)) among	(b) between	(c) in	(d) of
76. Th	ne man died	heavy fever.		
(a)) with	(b) at	(c) of	(d) in
77. Wo	ork hard lest you	fail.		
(a)) could	(b) should	(c) might	(d) need
78. If I	I were a judge, I	do fair justice.		
(a)) will	(b) shall	(c) would	(d) should
79. Ma	any a girl	joined computer classe	es.	
(a)) have	(b) has	(c) were	(d) none of these
80 Th	ne major, with all his s	oldiers kil	led in the explosion.	
(a)) was	(b) were	(c) are	(d) none of these
. ,				



JEE ADVANCED-2023

RPSians Add Another Glorious Chapter to the Spectacular Saga of

NEET-2023











S/o Mr. SANJAY GARG Ms. REKHA

Class XII Topper

CBSE Class XII -2023

80% 1316

CBSE Class X -2023











D/o Mr. HEMANT K. YADAV Ms. SARITA

Class X Topper

SPORTS ACHIEVEMENTS



CBSE Cluster XV Athletics



CBSE Volleyball Cluster



d Position (Girls) **CBSE Basketball Cluster**

SUPER ACHIEVEMENTS OF **RPS** GROUP OF SCHOOLS













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