INDIAN SPACE RESEARCH ORGANISATION [HEADQUARTERS]



Student Bounty Com TEN TEST FOR RECRUITMENT TO THE POST OF ASSISTANT/ JR.PERSONAL ASSISTANT

Test Booklet:



Paper -II: Arithmetic, General Knowledge, Computer Literacy

Date: 10th January 2010

Time: 1400 hrs. to 1630 hrs.

Part- A: Arithmetic (Objective type)

No. of questions 60

Part- B: General Knowledge (Objective type)

20

Part- C : Computer Literacy (Objective type)

20

INSTRUCTIONS

- The question paper is in the form of test booklet. 1.
- 2. A separate OMR answer sheet is provided to all candidates.
- Each objective question is provided with a text and figures wherever applicable with 3. multiple answers (a), (b), (c) and (d), which includes one correct answer.
- Refer answer sheet instructions and use **HB pencil** for answering all the questions. 4.
- All questions carry 1 mark each. There will be negative mark for wrong answer. 5.
- Multiple answers for a question will be regarded as wrong answer. 6.
- Although the test stresses on accuracy more than speed, it is important for you to use 7. your time as effectively as possible.
- Do not waste time on questions which are too difficult for you. Go on to other questions 8. and come back to the difficult ones later.
- Question booklets have been marked with A or B or C or D or E or F on the right 9. hand top corner, which shall be written on the answer sheet in the box and bubble appropriately.
- Enter your name and roll number correctly on the OMR answer sheet. 10.
- Enter all information as per the instructions given in the answer sheet. 11.
- Space available in the Question booklet could be used for rough work, if required and 12. no separate sheet will be provided.
- At the end of the test (1) Written test Call Letter with photograph and (2) OMR Answer 13. Sheet shall be returned to the Invigilator.

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WRITTEN TEST FOR THE POST OF ASSISTANT/JR. PERSONAL

PART-A (ARITHMETIC)

A bonus of Rs. 1000 is to be divided among three people so that Rohit receives twice as much as Sachin, who receives one-fifth as much as

ASSISTANT

	Gagai	n. How much	money	should Gaga	n recei	ve?			
	a)	Rs. 100	b)	Rs. 250	c)	Rs.375		d)	Rs.625
2.	highe exclud	patting averagest score exceed ded, the average of the player	ds his lage of t	owest score b	y 172 r	uns. If the	ese tw	o inni	ings are
	a) 165	runs	b) 170	runs	c) 172	runs		d) 174	runs
3.	avera	replacing an ge age of five is the differ per?	e memb	ers of a club	is the	same as i	it was	s 3 yea	ars ago.
	a) 2 y	ears	b) 4 ye	ears	c) 8 ye	ears		d) 15 <u>y</u>	years
4.	mont	n bought a ho h's rent aside on his investm	for rep	oairs, pays Rs	. 1660 a	as annual	taxe	s and	realizes
	a) Rs.	2460	b) Rs.	2500	c) Rs.	4920		d) Rs.	5000
5.	angle ships	ships are sail s of elevation are 30 deg a the distance l	of the nd 45 c	top of the lig leg respective	ht hous ely. If t	se as obse	erved	from	the two
	a) 173	3 M	b) 200	M	c) 273	M		d) 300	M
6.		ident was ask ultiplied it by			-				iding it,
	a) 3.3	3		b) 9.3	c) 9.8		d) 9.9	9	
7.		n bought 5 s of shoes at Rs							
	a) Rs	678.50	b) Rs	800	c) Rs 9	900		d) Rs	1000
		Control of the Contro					•		

INDIAN SPACE RESEARCH ORGANISATION

	I	SRO CENTR	ALISE ISRO	D RECRUIT HEADQUA	MENT RTERS	BOARD [ICI	RB]	Center.
8.	expen paise	al purchased diture on trai per ream and am to gain 20	nsport the co	was Rs 480.]	He had	to pay an oc	troi du	ity of 50
,	a) Rs 1	105	b) Rs ?	115.50	c) Rs 1	L20	d) Rs	126
9.		cm long wire nird as long a be?						
	a)	34	b)	51	c)	17	d)	8.5
10.	respec	Keshav and ctively in a b was a profit o	usiness	s. Ajay left a	fter six	months. If	after 8	months
	a)	Rs. 890	b)	Rs. 1780	c)	Rs. 1335	d) R	s. 1602
11.	differe	atio of the prence between 000, what is t	n the	prices of co	stliest	and the ch		
	a) Rs.	80,000 b) R	s. 1, 00,	, 000 c) Rs.	1,40,00	0 d) Rs. 1,20	0,000	
12.	teache	verage weigh er is included, teacher.						
	a) 5	57 kg	b) 6	0 kg c) 6	55 kg	d)	63 kg	
13.		cketer has a c s 100 runs, t ge is-						
	a)	20 runs	b)	24 runs	c)	28 runs d	l) 32 1	runs
14.	gets 6 valid	are two cand 5% of the tot votes that th were declared	al valio e othe	d votes. If the r candidate	e total v	votes were 60	000, wh	at is the
	a)	1575	b)	1625	c)	1675	d)	1525

d) None of the above.

In a group of buffaloes and ducks, the number of legs are 24 more than

twice the number of heads. What is the number of buffaloes in the group?

c) 8

b) 12

15.

a) 6

15RO CENTRALISED RECROTTMENT DOARD [ICRD]	
ISRO HEADQUARTERS	100
The traffic light at three different roads change after every 48 sec	, 72 se
The traffic light at three different roads change after every 48 secand 108 second respectively. If they all change simultaneously a	it 8:20:00

and 108 second	respectively.	If they all	l change	simultaneously	at	8:20:00
nours, when wil	I they change	again sim	ultaneou	ısly?		

c) 27:8:12

	<u> </u>	*-
17	How many $\frac{1}{2}$ are there in	27 £?
1,.	Thou main, a the there in	~ .

a) 300

a) 12:8:27

16.

b) 400

b) 8:27:12

- c) 500
- d) none of these

d) None of these.

- a) 250
- b) 285
- c) 280
- d) 286

19. If
$$\frac{a}{3} = \frac{b}{4} = \frac{c}{7}$$
, then $\frac{a+b+c}{2}$ is equal to

- a) 7
- b) 2
- (z) $\frac{1}{2}$
- d) $\frac{1}{7}$

- a) <u>7523</u> 8.7, 3.5
- b) <u>753 2</u> 8, 7, 5,3
- c) <u>3 2 5 7</u> 5,3, 7, 8
- d) <u>2</u> <u>3</u> <u>5</u> <u>7</u> 3, 5, 7,8
- 21. The mean of 200 items was 50. Later on, it was discovered that 2 items were misread as 92 and 8 instead of 192 and 88. Then the correct mean is:
 - a) 50.8
- b) 50.9
- c) 50.7
- d) 50.6
- 22. A tank is filled with 1/5 part of it with water. 8 litres of water is taken from it. If the tank is filled with 1/6th part of it water now, How many liters of water can the tank hold?
 - a) 480
- b) 720
- c) 280
- d) 240
- 23. Arrange the following in ascending order of magnitude: $\frac{3}{4}$, $\frac{53}{72}$, $\frac{89}{116}$
 - a) 89/116, 53/72, 3/4
- b) 3/4, 53/72, 89/116
- c) 3/4, 89/116, 53/72
- d) 53/72, 89/116, 3/4
- 24. The difference of two numbers is 11 and 1/5th of their sum is 9. The numbers are
 - a) 31, 20
- b) 30, 19
- c) 29, 18
- d) 28, 17

							V.,	0	
·			RALISI		'MEN'	ANISATION T BOARD [IC RS	r CRB]	Tudents.	
25.	work	as 2 childrer	n. If 20	women can f	inish v	nd 1 woman vork in 14 day n, 5 women ar	can do s, in h nd 5 ch	as muc ow many ildren?	Juney.com
•	a)	14	b)	16	c)	. 18	d)	20	13
26.	score	d 85 points. I	f he ha	d scored 92 p	oints 1	petition. The the average so he team score	best m ore for	arks man	
	a)	672	b)	665	c)	645	d)	588	_
27.	incur		g the ar	ticle for Rs.95		0/- is 20% mo t what price s			
	a)	Rs.980/-	b)	Rs.1080/-	c)	Rs.1800/-	đ)	None	
28.	recta		and it	ts breadth is		square. If the imes that of			Ü
	a)	15cm	b)	.20cm	c)	70cm	d)	80cm	
29.		_		km and downe man in still		am 220 km ta ?	aking 4	hrs each	
	a)	3.5 Kmph	b) .	4 kmph	c)	3 kmph	d) 4	.5 kmph	
30.	of 50	-				00 kms and 50 spectively. Th			
	a)	405	b)	410	c)	420	d)	575	
31.			=	ec. How man h after 10 sec	-	away is a thu	nderclo	oud when	
	a) ·	3.3 kms	b)	3.33 kms	c)	0.33 kms	d)	33 kms	u
32.	bicyo		at the	uniform rate		and 4 hours km an hour. H			- -
	a)	16.7 km	p)	18.6 km	c)	21.5 km	d)	26.7 km	•

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB]

i substitutive en	and the second of the second o	eles de la les les del 2004	aparamananan ing a 12-13	: 1			E.
	INDIAN ISRO CENT	[RALISE]		TMEN	, –	ON ICRB]	dented
33.	Two guns are fi person approach elapsed between of the sound is 3 speed?	ning the p the heari	lace obserning of the s	ves that ound of	5 minutes the two gu	l of 6 mi 52 secon ins. If the hat place	nds have evelocity
	a) 24 km/hr	`b) 27	km/hr	c) 3	0 km/hr	d) 3	86 km/hr
34.	A person has to After going a ce remaining distar total time for the	ertain dist ace at 4 ½	ance the c km/hr. Fin	ycle is d wher	punctured a	and he v	valks the
	a) 50 km	b)	52 km	c)	54 km	d)	56 km
35.	A shopkeeper ac false metre scale scale?						
	a) 80 cm	b)	70 cm	c)	90 cm	d)	75 cm
36.	The marked pri shopkeeper give of the shirt and t	s 40% disc	ount on th	e shirt.	If the total c	liscount (on the set
	a) 15%	b)	20%	c)	25%	d)	30%
37.	A contractor ur employs 45 men canal have been finish the work i	. He finds complete	after 200 o	days of	working th	at only 4	½ km of
	a) 50	b)	55.	c)	60	d)	65
38.	The sales of a bupercent must the						
	a) 42.85%	b) 4	13%	c)	42.6%	d)	40.25%
39.	Suresh has some that of legs be 14					f heads b	e 48 and

Page 5 of 12

48

26

d)

d)

23

20

b)

b)

22

what is the number?

a)

a)

40.

.24

40

c)

c)

To a certain number 7 is added. The sum is multiplied by 5, the product is

divided by 9 and 3 is subtracted from the quotient. If the remainder is 12,

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB]

*			ISR	O HEADQU	AKIE	KS		78
41.	varies mont units	s as the num h 540 units a are consume	ber of re cor d and	units of electronics.	tricity of the control of the contro	nt is partly to consumed. W s.1800. In and yet another:	hen in other m	a certain. ionth 620
	a) I	Rs.1,560	b)	Rs.1,680	c)	Rs.1,840	d) l	Rs.1,950
42.	6% st	ock at 80 an	d 7%	stock at 96.	He the	nvests the preby increase ted in each st	s his ir	
	a)	0	b)	10	(c)	100	d)	1000
43.	mont retire	hly salary w d and his pla le became R	ras Rs .ce was	.1600. The nostaken by an	nanagei other. T	a factory and whose sala he average sala was the sal	ry was alary of	Rs.3000, all the 21
	a)	Rs.6000	b)	Rs.6150	c)	Rs.6100	d)	Rs.6200
44.	a scre	ewdriver rais	es by	5% and the p	orice of	the same pri hammer goe and 3 hamm	s up by	e price of 3% how
	a)	3%	b)	4%	c)	5%	d)	8%
45.	educa		% of th	e remaining		d, 50% of the requiremen		
	a) R	Rs.20,000	b)	Rs.24,000	c)	Rs.2,000	d) :	Rs.15,000
46.	prepa that v	ared on Mon were prepare	day. T d on t	Then on Wed he previous t	nesday wo day	Tuesday tha he prepared s together. If he prepare c	50% o: he had	f the toys prepared
	a)	18	b)	32	c)	25	d)	39
47.	next th	rree days is 2	29°. If		of the v	ys of a week whole of the		
	a) 3	31.5°	b)	10.5°	c)	21°	d)	none

31.5°

b)

If 5 students

hes

48. If 8 students are seated on each bench, 3 benches are left over. If 5 s are seated on each bench, 12 students are left over. How many 1 and students are there?					
	a) 10 benches and 65 students b) 12 benches and 72 students c) 11 benches and 60 students d) 9 benches and 70 students				
49.	Two towers are 35 mtrs and 50 mtrs high and 20 mtr apart on level ground. Find the length of the rope connecting their tops?				
	a) 15 mtrs b) 20 mtrs c) 25 mtrs d) 30 mtrs				
50.	If B is 10% heavier than A and C is 10% lighter than B, then what can you say about the relative weights of A & C?				
	 a) C is heaver than A by 1 % b) C is lighter than A by 1 % c) They are equal in weight d) C is lighter than A by 99 % 				
51.	A businessman sold two TV sets for Rs. 9,900 each, making 10% profit on one and losing 10% on the other. His gain or loss percentage on the two TV sets is				
	a) no gain no loss b) loss of 1 % c) gain of 1% d) gain of 5%				
52.	A monkey ascends a greased pole 12 metres high. He ascends 3 metres in the first minute and slips down by 1 metre in the alternate minute. In which minute, did he reach the top of the pole?				
	a) 10 th b) 12 th c) 13 th d) 11 th				
53.	A gardener planted total 6561 plants in such a way that there are as many rows as there are trees in each row. How many rows were there?				
	a) 91 b) 81 c) 89 d) 801				
54.	Three bells toll at intervals of 36 seconds, 40 seconds and 48 seconds, respectively. They start ringing together at particular time. They will toll next time together after				
	a) 6 minutes b) 12 minutes c) 18 minutes d) 24 minutes				
55.	The price of commodity X increases by 40 paise every year, while the price of commodity Y increases by 15 paise every year. If in 2001, the price of commodity X was Rs. 4.20 and that of Y was Rs. 6.30, in which year commodity X will cost 40 paise more than the commodity Y?				
	a) 2010 b) 2011 c) 2012 d) 2013				

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB]

ISRO HEADQUARTERS

Directions (Ons. 56 to 60) Study the following information to answer the give questions.

Student Bounty.com Percentage of students in various courses (A, B, C, D, E, F) and percentage of girls out of these.

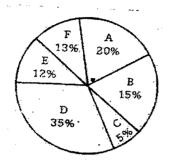
Total Students: 1200

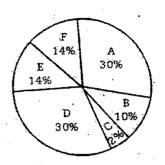
Total girls = 800

(800 girls + 400 boys)

Percentage in various courses

Percentage of Girls in courses





For course D what is the respective ratio of boys and girls?

- 3:4 a)
- b) 4:5
- c) 3:5
- d) 5:6

57 For which pair of courses is the number of boys the same?

- a) E&F
- b) A & D
- c) C & F
- B & D

58. For course E, the number of girls is how much percent more than the boys for course E?

a) 250

E

44

- b) 350
- c) 150
- d) 80.

For which course is the number of boys the minimum? 59.

- a)
- F b)
- c) C
- d) Α

How many girls are in course C?

a)

- b) 16
- c) 40
- d) 160

END OF PART-A

PART - B (GENERAL KNOWLEDGE)

te in the second	INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS PART - B (GENERAL KNOWLEDGE) Which of the following writs literally means 'what is your authority'?
	PART - B (GENERAL KNOWLEDGE)
61.	Which of the following writs literally means 'what is your authority'?
	a) Habeas Corpus b) Quo Warranto c) Certiorari d) Prohibition
62.	India's first Atomic Reactor was
	a) Aryabhatta b) Savitri c) Zerlina d) Apsara
63.	The first 'Earth Summit' was held at
	a) San Francisco b) Frankfurt c) Rio de Janeiro d) Caracas
64.	Name the Plant that is used in Ayurveda for improving memory.
	a) Amla b) Brahmi c) Tulsi d) Vasaka
65.	The term 'butterfly' in sports is associated with
	a) Basketball b) Swimming c) Rowing d) Golf
66.	National income estimates in India are prepared by
•	a) Central Statistical Organization b) Ministry of Finance c) National Development Council d) Planning Commission
67.	Which waterway separates India from Srilanka?
	a) Eight degree channel b) Palk Strait c) Ten degree channel d) Andaman Sea
68.	The leaders of G20 countries met for the first time in Washington in
	a) November, 2005 b) November, 2006 c) November, 2007 d) November, 2008
69.	Which of the following award was given to Dr.G.Madhavan Nair recently?
	a) Man of the year b) Bharat Ratna c) Business man of the year d) Best public servant of the year
70.	Which of the following is a chemical fertilizer?
	a) Zinc Oxide b) Meurate of Potash c) Calcium Carbonate d) Silver chloride
71.	Which one of the following pairs of cities has recently been connected by a six lane express way?
	a) Ahmedabad and Vadodra b) Dhaka and Chittagong c) Islamabad and Lahore d) Mumbai and Pune

72.	Now the latest	CRR as declare	d by RB	I w.e.f January 19,	2009 is			
	a) 5.0%	b) 5.5%	c) 6.0	0% d)	6.5%			
73.	Which of the fo	ollowing parts o	of the sur	nlight makes the so	olar cooker hot?			
	a) Cosmic rays	b) Ultra V	<i>V</i> iolet	c) Red Light	d) Infra red			
74.	The colour of t	he human skin	is due to	:	I .			
	a) Myoglobin	b) Melan	in	c) Keratin	d) Myelin			
<i>7</i> 5.	A small weigl steam because	nt put on a pre	essure co	ooker increases th	ne pressure of the			
	c) density of m	act is very small etal is very higl	n	ne weight placed				
76.	Which is the smallest country (in population)?							
	a) Vatican city	b) :	Nauru	c) Monac	co d) Palau			
77.	Who said the people and for	_	tion 'A	Government of the	he people, by the			
	a) Carl Schurz c) GeorgeBern	ard Shaw	•	b) Abraham Lir d) Emerson	acoln			
78.	To whom shou from his office		ıt tender	his resignation if	he wants to resign			
	a) The Spe c) The Pri	aker me Minister	b) d)	The Chief Justic The Vice-Presid				
79.	Who wrote the	e book "Satyartl	na Praka	sh"?				
		Dayanand	b) d)	Swamy Vivekaı Kalidas	nand			
80.	Who is the pre	sent Chairman	of ISRO	?				
	,	asturirangan		b) Shri G Madh				

END OF PART-B

PART - C: (COMPUTER LITERACY)

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	INDIAN SPACE RESEARC ISRO CENTRALISED RECRUI ISRO HEADQU	ITMENT E	NISATION BOARD [ICRB]	QBASIC	
	PART - C: (COMPUT	ER LITERA	ACY)		2
81.	Which of the following is not a version	on of BASIO	こ ?	•	COM
	a) GWBASIC b) GSBASIC	c) BAS	ICA d)	QBASIC	
82.	Which of the following is not a nume	eric constar	it?		
	a) Integer b) Long Integer c) S	Short Integ	er d) Single j	precesion	
83.	Which of the following commands I one to understand what the program	-		hat enable	
	a) REM b) PRINT	c) LET	d) INPUT		
84.	To make your document password p	rotected, y	ou use	•	
	,	Format, pa: save	ragraph		
85.	Typical data transfer rate in LAN are	e of the ord	ler of		
	a) Bits per sec c) Mega bits per sec	•	bits per sec le of the above		
86.	A large number of computers in efficiently connected by	a wide	geographical ar	ea can be	
÷	a) Twisted pair linesc) Communications satellites	,	xial cables ne of the above		
87.	A floppy disk is made up of flexible	plastic coa	ted with		
	a) Zinc Oxide b) Magnetic (Oxide c	Iron Oxide d) None	
88.	In word, what combination of keys d	lo you pres	s to delete an ent	ire word?	
	a) Ctrl + Del b) Alt + Del c) S	Shift + Bac	kspace d)Shift+	Alt + Del	
89.	A file which contains transient data to master file is called	to be proce 	ssed in combina	ion with a	٠.
	, 1	Master file Random o	ganization file		
90.	Reusable Optical Storage will typical	ly have the	e acronym	_	
	a) CD b) ROM	-	RW d)	DVD	
91.	RAM stands for-				
	a) Random Access Memoryc) Random Accessing Memory	•	Read Automatic Random Allowa	-	

	· · · · · · · · · · · · · · · · · · ·	2.0
	ISRO CENTRALISED REC	ARCH ORGANISATION RUITMENT BOARD [ICRB] DQUARTERS
92.	What does IMEI stand for?	OH
	INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS What does IMEI stand for? a) International Mobile Electronic Identity b) International Mobile Equipment Identity c) Inter Mobile Equipment Identity d) Inter-protocol for Mobile Equipment Identity	
93.	Which of the following is not the goal of a computer network?	
	a) Resource sharing c) Load sharing	b) Low reliability d) To provide physical treatment
94.	PPP stands for	
	a) Point to Point Protocolc) Point to Point Provider	b) Point to Point Programme d) None of the above
95.	File name with extension as VXD represents	
	a) Normal application filec) Device driver	b) Text file d) Picture file
96.	Which of the following can be us	ed as universal gate?
	a) NAND b) OR	c) AND d) NOT
97.	Which of the following is the feater dependant?	ature of operating system that is machine
	a)Process scheduling b)File processing c) Job scheduling d)All the above.	
98.	Files that store data in the same format as used in program are called	
	a) Binary files b)Source files c) Text files d) Core	
99.	Which of the following is true:	
	 a) MS-DOS does not support multiprogramming. b) MS-DOS supports multiprogramming to some extent c) MS-DOS supports multiprogramming fully d) None of the above. 	
100.	The unit "Kilo instructions per second" is used to measure the speed of	
	a) processor b) disk drive	e c) printer d) tape drive

END OF PART-C