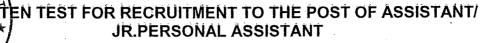
INDIAN SPACE RESEARCH ORGANISATION [HEADQUARTERS]



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

art A : / arannotio (Objective type)

Part- B: General Knowledge (Objective type)

20

Part- C : Computer Literacy (Objective type)

20

INSTRUCTIONS

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



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INDIAN SPACE RESEARCH ORGANISATION

1.

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS

B

WRITTEN TEST FOR THE POST OF ASSISTANT/JR. PERSONAL ASSISTANT

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 Gagan. How much money should Gagan receive?									
	a)	Rs. 100	b)	Rs. 250	c)	Rs.375	d	l)	Rs.625	
.2.	The batting average for 40 innings of a cricket player is 50 runs. His highest score exceeds his lowest score by 172 runs. If these two innings are excluded, the average of the remaining 38 innings is 48 runs. The highest score of the player is:									
	a) 165	runs	b) 170	runs	c) 172	runs	d	l) 174	runs	
3.	After replacing an old member by a new member, it was found that the average age of five members of a club is the same as it was 3 years ago. What is the difference between the ages of the replaced and the new member?									
	a) 2 y	rears	b) 4 ye	ears	c) 8 ye	ars	Ċ	l) 15 y	ears	
4.	A man bought a house for Rs. 5 lakhs and rents it. He puts $12 \frac{1}{2}$ % of each month's rent aside for repairs, pays Rs. 1660 as annual taxes and realizes 10% on his investment thereafter. The monthly rent of the house is:									
	a) Rs.	. 2460	b) Rs.	2500	c) Rs. 4	1920	Ċ	l) Rs.5	5000	
5.	angle ships	ships are sailes of elevation are 30 deg a	of the t nd 45 d	top of the lig leg respectiv	ht hous ely. If tl	e as obse	erved f	rom t	the two	
	a) 173	3 M	b) 200	M	c) 273	M	Ċ	1) 300	M	
6.		udent was asl ultiplied it by			-				ding it,	
	a) 3.3	3		b) 9.3	c) 9.8		d) 9.9			
7.		an bought 5 s of shoes at Rs								
	a) Rs	678.50	b) Rs 8	300	c) Rs 9	000	Ċ	1) Rs 1	1000	
		t de la companya de l								

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS

Ramlal purchased 120 reams of paper at Rs100 per ream and the

B

	expenditure on transport was Rs 480. He had to pay an octroi duty of 50 paise per ream and the coolie charges were Rs 60. What should be charge per ream to gain 20%.								
	a) Rs I	105	b) Rs ?	115.50	c) Rs 1	120	d) Rs	126	
9.		nird as long				s such that on centimeters w			
	a)	34	b)	51	c)	17	d)	8.5	
10.	respec	ctively in a b	usines	s. Ajay left	after six at will b	O, Rs. 4000 months. If a e the share of	after 8 Kesha	months v?	
	a)	Rs. 890	b)	Rs. 1780	c)	Rs. 1335	d) R	s. 1602	
11.	differe		n the	prices of c	ostliest	pes of cars is and the che rate price?			
	a) Rs.	80,000 b) R	s. 1, 00	, 000 c) R	s. 1,40,00	0 d) Rs. 1,20	000,0		
12.	teache					s 48 kg. If the y 500 g. Find			
	a) 5	57 kg	b) 6	0 kg c)	65 kg	d)	63 kg		
13.		s 100 runs, t				rs. In the ter rage by 8 ru			
	a)	20 runs	b)	24 runs	c) .	28 runs d) 32 r	uns	
14.	gets 6 valid	55% of the tot	al valione othe	d votes. If th r candidate	ne total v	opal for an elevotes were 60 pal gets if 25	000, wh	at is the	
	a)	1575	b)	1625	c)	1675	d)	1525	
15.						oer of legs are er of buffaloes			
	a) 6	_ 1	b) 12	c) 8		d) None of t	he abo	ve.	

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			ISRC	HEA:	DQUA	RTER	\mathbf{S}			
16.	and 1	raffic light a 08 second ro , when will t	espectiv	ely. If	they all	chan	ge simu	-		
•	a) 12:	8:27	b) 8:27:	12	c) 27:8	3:12	d) No	ne of tl	nese.	
17.	How	many $\frac{1}{8}$ are t	here in	37 <u>‡</u> ?					ž.	
	a) "	300	b) .	400		c)	500	d)	none	of these
18.	The a	cary has an a everage num a Sunday is .	iber of v				-			-
	a)	250	b)	285		c)	280		d)	.286
19.	If $\frac{a}{3}$ =	$\frac{b}{4} = \frac{c}{7}$, then	a+b+c 2	s equal	l to					
	a)	7	b)	2		c)	1 2		d)	1 7
20.	Whic	h of the follo	wing fra	actions	are in o	lescen	ding or	der?		
	a)	7 <u>5</u> 2 <u>3</u> 8,7,3,5	b) <u>75</u> 8, 7	<u>3 2</u> 7, 5,3	c) <u>3 2</u> 5,3,	5 <u>7</u> 7, 8		d) <u>2</u> 3 3 3 3 5 3 5	<u>5, 7,8</u>	
21.		mean of 200 misread as 9	,							
	a)	50.8	b)	50.9		c)	50.7		d)	50.6
22.	from	nk is filled w it. If the tar of water can	ık is fill	ed wit	h 1/6 th					
	a)	480	b)	720		c)	280		d)	240
23.		nge the follow /72, 89/116	wing in a	ascend	ing ord	er of r	nagnitu	de:		
		/116, 53/72, 89/116, 53/7		,	53/72, /72,89,	•				

The difference of two numbers is 11 and 1/5th of their sum is 9. The

c)

29, 18

30, 19

b)

24.

numbers are

a)

31, 20

28, 17

d)

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS



25.	3 men can do as much work as 5 women and 1 woman can do as much work as 2 children. If 20 women can finish work in 14 days, in how many days will the same work be finished by 6 men, 5 women and 5 children?								
•	a)	14	b)	16	c)	. 18	d)	20	
26.	A team of 8 persons joins in a shooting competition. The best marks man scored 85 points. If he had scored 92 points the average score for the team would have been 84. The number of points, the team scored was:								
	a)	672	b)	665	c)	645	d)	588	
27.	Profit earned by selling an article for Rs.1060/- is 20% more than the loss incurred by selling the article for Rs.950/ At what price should the article be sold to earn 20% profit?								
	a)	Rs.980/-	b)	Rs.1080/-	c)	Rs.1800/-	d)	None	
28.	The area of a rectangle is thrice that of a square. If the length of the rectangle is 40cm and its breadth is 3/2 times that of the sides of the square, then the side of the square is:								
	a)	15cm	b)	20cm	c)	70cm	d)	80cm	
29.				km and dow e man in still v		m 220 km tak	ing 4	hrs each	
	a)	3.5 Kmph	b) _	4 kmph	c)	3 kmph	d) 4	.5 kmph	
30.	of 500	*				kms and 500 pectively. The			
	a)	405	b)	410	c)	420	d)	575	
31.				ec. How many n after 10 secs?		way is a thun	derclo	ud when	
	a) -	3.3 kms	b)	3.33 kms	c)	0.33 kms	d)	33 kms	
32.	bicycl	*	at the a	uniform rate o		and 4 hours at m an hour. Ho			
	a)	16.7 km	b) 1	8.6 km	c)	21.5 km	d)	26.7 km	

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS



33.	perso elaps	on approachin ed between th e sound is 330	g the le hear	place observe ing of the sou	s the	at an interval of at 5 minutes 52 of the two guns. pproaching that	seco If the	nds have e velocity
	a) 24	4 km/hr	b) 27	7 km/hr	· c)	30 km/hr	d) (36 km/hr
34.	After rema	going a certa	ain dis at 4 ½	tance the cyc km/hr. Find	le is	He rides a cycle punctured and ere the cycle is p	he v	walks the
	a)	50 km	b)	52 km	c)	54 km	d)	56 km
35.		metre scale h				t 4% loss. Howe That is the actua		
	a)	80 cm	b)	70 cm	c)	90 cm	d)	75 cm
36.	shop	keeper gives 4	0% dis	scount on the	shirt	s are in the rat . If the total disc t offered on the t	ount	on the set
	a)	15%	b)	20%	c)	25%	d)	30%
37.	empl cana	loys 45 men. H	le find mplet	ls after 200 da	ıys o	12 km long in of working that o otra men must b	only 4	l ½ km of
	a)	50	b)	55.	c)	60	d)	65
38.						ess than sales in to bring to the le		
	a)	42.85%	b)	43%	c)	42.6%	d)	40.25%
39.		sh has some c of legs be 140,				tal number of he hens?	eads l	be 48 and
	a)	22	b)	23	c)	24	d)	26
40.	divid		is sub			multiplied by 5 quotient. If the re	-	•
	a)	24	b)	20	c)	40	d)	48

41.

ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS

B

41.	The electricity bill of a certain establishment is partly fixed and partly varies as the number of units of electricity consumed. When in a certain month 540 units are consumed, the bill is Rs.1800. In another month 620 units are consumed and the bill is Rs.2040. In yet another month, 500 units are consumed, the bill for that month will be-								
	a)	Rs.1,560	b)	Rs.1,680	c)	Rs.1,840	d) :	Rs.1,950	
42.	6%	nan sells Rs.40 stock at 80 a 50. How much	nd 7%	stock at 96	. He the	reby increas	es his ir		
	a)	0	b)	10	(c)	100	d)	1000	
43.	mo: reti pec	ere are 20 wo nthly salary v red and his pla ople became l nager?	was Rs ace was	.1600. The taken by a	manage nother. T	: whose sala he average s	ary was salary of	Rs.3000, all the 21	
	a)	Rs.6000	b)	Rs.6150	c)	Rs.6100	d)	Rs.6200	
44.	a so	crewdriver an crewdriver rai ch more will i	ses by	5% and the	price of	hammer go	es up by		
	a)	3%	b)	4%	c)	5%	d)	8%	
4 5.	edi	nesh invested acation and 10 h Rs.540. Wha	% of th	e remaining					
	a)	Rs.20,000	b)	Rs.24,000	c)	Rs.2,000	d)	Rs.15,000	
46.	pre tha	carpenter pre pared on Mon t were prepare toys in the thre	nday. T ed on tl	hen on We ne previous	dnesday two day	he prepared s together. If	d 50% o f he had	f the toys prepared	
	a)	18	b)	32	c)	25	d)	39	
47.	next	average tempo three days is perature of the	29°. If	the average	e of the v				
	a) .	31.5°	b)	10.5°	c)	21°	d)	none	

48.

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS

If 8 students are seated on each bench, 3 benches are left over. If 5 students

are seated on each bench, 12 students are left over. How many benches



	a) 10 be	idents are the enches and 6 enches and 6	5 stude:	,		es and 72 stu s and 70 stu		
19.		owers are 35 l. Find the le						on level
	a) 15	mtrs	b) 20	mtrs	c) 2	5 mtrs	d) 3	30 mtrs
50.		10% heavier out the relativ			_	er than B, th	nen what	can you
	•	s heaver than ey are equal	•		_	hter than A hter than A		
51.		nessman solo d losing 10% s is					_	
	a) no g	ain no loss	b) lo	ss of 1 %	c) ga	in of 1%	d) gain (of 5%
52.	the firs	key ascends st minute ar minute, did l	nd slips	down by	1 metre	e in the alte		inute. In
	a)	10 th	b)	12 th	c)	13 th	d)	11 th
53.		lener planted s there are tr						as many
	a) 91	•	b) 81		· c)	89	d)	801
54.	respect	bells toll at tively. They me together a	start rii					
	a) 6 mi	nutes b)	12 minu	ites c)	18 minu	tes d)	24 minut	tes
55.	of commo	ice of commonimodity Y in odity X was odity X will o	creases Rs. 4.2	by 15 pai 20 and tha	se every at of Y	year. If in was Rs. 6.3	2001, the 60, in wh	e price of
	a)	2010	b)	2011	c)	2012	d)	2013

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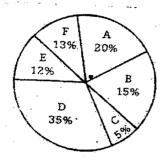
Directions (Qns. 56 to 60) Study the following information to answer the given questions.

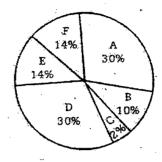
Percentage of students in various courses (A, B, C, D, E, F) and percentage of girls out of these.

Total Students: 1200 Total girls = 800 (800 girls + 400 boys)

Percentage in various courses

Percentage of Girls in courses





- 56. For course D what is the respective ratio of boys and girls?
 - a) 3:4
- 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
- o) A & D
- c) C & F
- d) B & D
- 58. For course E, the number of girls is how much percent more than the boys for course E?
 - a) 250
- b) 350
- c) 150
- d) 80
- 59. For which course is the number of boys the minimum?
 - a) E
- b) F
- c) C
- d) A

- 60. How many girls are in course C?
 - a)
- 44
- b) 16
- c) 40
- d) 160

END OF PART-A

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INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS

В

PART - B (GENERAL KNOWLEDGE)

61.	Which of the following writs literally means 'what is your authority'?							
	a) Habeas Cor c) Certiorari	pus	,	Quo Warranto Prohibition				
62.	India's first Atom	ic Reactor was	3		_ .			
	a) Aryabhatta	b) Savitri		c) Zerlina		d) Apsara		
63.	The first 'Earth Su	mmit' was hel	d at_		_•			
	a) San Francisco	b) Frankfurt	t	c) Rio de Jar	eiro	d) Caracas		
64.	Name the Plant th	at is used in A	yurv	eda for improvi	ng me	mory.		
	a) Amla	b) Brahmi		c) Tulsi	d) V	'asaka		
65.	The term 'butterfly	y' in sports is a	associ	ated with				
	a) Basketball	b) Swimmir	ıg	c) Rowing	d) Go	olf		
66.	National income e	stimates in Inc	dia ar	e prepared by .	• • • • • • •			
	a) Central Statistic c) National Develo							
67.	Which waterway	separates India	a fron	n Srilanka?				
	a) Eight degree ch c) Ten degree char		,	Palk Strait Andaman Sea				
68.	The leaders of G20) countries me	t for t	he first time in	Washi	ngton in		
	a) November, 2005 c) November, 2005	,						
69.	Which of the follo	wing award w	as gi	ven to Dr.G.Ma	dhavai	n Nair recently?		
	a) Man of the year c) Business man o			b) Bharat Ra d) Best publ		ant of the year		
70.	Which of the follo	wing is a chen	nical f	ertilizer?				
	a) Zinc Oxide c) Calcium Carbo	nate	,	Meurate of Pota Silver chloride	sh			
71.	Which one of the six lane express w		s of c	ties has recentl	y been	connected by a		
	a) Ahmedabad an c) Islamabad and			b) Dhaka an d) Mumbai		0 0		

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS

B

72.	Now the late	st CRR as dec	lared by RE	I w.e.f January 1	9, 2009 is		
,	a) 5.0%	b) 5.59	% c) 6.	0%	d) 6.5%		
73.	Which of the	following par	rts of the su	nlight makes the	solar cooker h	ot?	
	a) Cosmic ra	ys b) Ult	ra Violet	c) Red Light	d) Infra	a red	
74.	The colour o	f the human s	kin is due to	o:	!		
	a) Myoglobi	n b) Me	elanin	c) Keratin	d) Mye	lin	
<i>7</i> 5.	A small wei	O 1	pressure c	ooker increases	the pressure	of the	
	c) density of	ntact is very si metal is very	high	he weight placed		,	
76.	Which is the	smallest cour	itry (in pop	ulation)?	9		
	a) Vatican ci	Ey .	b) Nauru	c) Mon	aco d) P	alau	
77.		ne famous quor the people?		Government of	the people, h	by the	
•	a) Carl Schur c) GeorgeBer			b) Abraham Lincoln d) Emerson			
78.	To whom sh from his offi		ident tender	r his resignation	if he wants to	resign	
	· · · · · · · · · · · · · · · · · · ·	peaker rime Minister	b) d)	The Chief Jus The Vice-Pres			
79.	Who wrote t	he book "Saty	artha Praka	ısh"?			
		iy Dayanand ni Naidu	b) d)	Swamy Vivek Kalidas	anand		
80.	Who is the p	resent Chairn	nan of ISRO	?			
	,	Kasturiranga Radhakrishn		b) Shri G Ma d) Shri Anil K			

END OF PART-B

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS

B

PART - C: (COMPUTER LITERACY)

81.	Which of the foll	lowing is not a v	version of BAS	SIC ?		
	a) GWBASIC	b) GSBASIC	c) BA	SICA	d) QI	BASIC
82.	Which of the foll	lowing is not a r	numeric const	ant ?		
	a) Integer b)	Long Integer	c) Short Inte	eger d)	Single pr	ecesion
83.	Which of the fo	0	-		ments tha	at enable
	a) REM	b) PRINT	c) LE	T d)	INPUT	
84.	To make your do	ocument passwo	ord protected,	you use -		•
	a) Format, fontc) Tools options,		b) Format, p d) save	paragraph		
85.	Typical data tra	nsfer rate in LA	N are of the o	rder of		
	a) Bits per secc) Mega bits per	sec	*	lo bits per one of the a		
86.	A large number	-	rs in a wide	geograpl	nical area	can be
	a) Twisted pair l c) Communication		,	oaxial cable one of the		
87.	A floppy disk is a) Zinc Oxid	_	kible plastic co etic Oxide	oated with c)Iron Oxi		None
88.	In word, what co	ombination of k	eys do you pr	ess to delet	te an entir	e word?
	a) Ctrl + Del	b) Alt + Del	c) Shift + Ba	ackspace (d)Shift +A	lt + Del
89.	A file which con master file is cal		data to be pro	cessed in c	ombinatic	on with a
	a) Sequential filec) Transmission		b) Master fi d) Random		on file	
90.	Reusable Optica	l Storage will ty	pically have t	he acronyr	n	
	a) CD	b) ROM	(c)	RW	d)	DVD
91.	RAM stands for-	-				
		Access Memory Accessing Mem	•		tomatic M Allowabl	

INDIAN SPACE RESEARCH ORGANISATION ISRO CENTRALISED RECRUITMENT BOARD [ICRB] ISRO HEADQUARTERS

B

92.	what does livie!	stand for:						
,	a) International Nb) International Nc) Inter Mobile Ed) Inter-protocol	Iobile Equipm Juipment Iden	ent Ider tity	ntity				
93.	Which of the follo	owing is not th	e goal o	oal of a computer network?				
	a) Resource shari c) Load sharing	ng	b) Low reliability d) To provide physical treatment					
94.	PPP stands for							
	a) Point to Point I		b) Point to Point Programme d) None of the above					
95.	File name with ex	tension as VX	D repre	sents				
:	a) Normal applic c) Device driver	ation file	b) Text file d) Picture file					
96.	Which of the follo	owing can be u	sed as ι	iniversal gate	≥?			
	a) NAND	b) OR	c)	AND	d)	NOT		
97.	Which of the foll dependant?	owing is the fe	eature c	of operating s	ystem	that is mad	chine	
	a)Process schedu	ling b)File pro	cessing	c) Job sched	uling c	l)All the al	ove.	
98.	Files that store da	ita in the same	format	as used in pr	ogram	are called		
	a) Binary file	es b)Source	files	c) Text fil	es d) Core	•	
99.	Which of the follo	owing is true:						
	b) MS-DOS	does not suppo supports multi supports multi ne above.	progran	nming to son		nt	•	
100.	The unit "Kilo in	structions per	second"	is used to m	easure	the speed	of .	
	a) processor	b) disk dri	ve	c) printer	d) ta	ipe drive		

END OF PART-C