

## **Test-I English Language**

## Directions (Q. 1-9): Read the passage carefully and answer the questions given below it.

The state-wise child sex ratio (number of females per 1000 males in 0-6 years age group) in India during 2001-11 declined except in Himachal Pradesh, Punjab, Haryana, vlizoram, Gujarat and Tamil Nadu.Interestingly, these are the same states that had recorded a significant fall in child sex ratio during 1991-2091.

Adverse child sex ratio can have many implications. First, in a growing economy, the need for a labour force would be'S requirement. Females, like capital goods, not only directly provide the force but also bear children who are the future labour force. Second, 'missing women' imply that the proportion of single men, say above 50 years, would incr~e which according to United Nations Fund for Population Activities UNFPA(201(b), would rise from 1.1 per cent in 2010 to 10 per cent in 2060. There are costs involved with prolonged bachelorhood. There is also a fear that scarcity of brides may zeneratc new waves of female. migration from neighbouring countries with different cultures and customs and even such migration may not be able to meet the need. In the absence of such migration, cases of human trafficking, kidnapping, forced marriages and other related crimes can increase. All these would imply cost to the fisc and society.

Adverse child sex ratio could be a transitory phase in a growing economy like China, India or Korea, as evidenced by empirical studies in view of technological advancement in pre-natal sex selection tests, which are painless and affordable, prompting couples to tailor-make the composinon of their families. The trend could have a geographical pattern too and the preference for sons could be higher in rural ares because of the sway of traditional institutions as well as In some other regions which are rooted in longstanding local institutions, according to UNFPA (201(b). Gender discrimination has a strong economic reasoning and reflects the generally held perception that girl constitutes impoverishmenr and boy constitutes enrichment. It is with reference to costs and benefits, including the institution of marriage and dowry, that daughters appear so expensive.

Sekher and Hatti (2010), undertak ing an empirical study in Karnataka, discuss the origin of dowry in their village of study and argue that the rapid decline of fertility unaccompanied by changes in cultural values has resulted in a deliberate attempt to get 'rid of girls' - "a conclusion that can be applicable across India." Research shows that improvements in educational attainment generally lead to a reduced preference for sons. But that could be a slower process.

Central and select State governments have been making concerted elTorts since 1996, seemingly to no avail, mainly through conditional cashtransfer (CCT), (0 stem the trend of adverse sex ratio through schemes like Dhanlaxmi, BhagyaJaxmi, Beti Anmol, Ladli, Nanhi Chhaan, and so on. The main criticism against these schemes is that the amount provided by the Government is far less than what is requited to sustain and marry off-a female child.

So, is the situation hopeless now? Nor as yet hut given that this epidemic is prevalent across the States, and the trend unabated, the Indian girl child should be considered a near-endangered species both inside and outside the womb and treated as 'our national asset' from the time of conception. Agencies and individuals who terminate female life before and after birth shou ld attract severe punishment for damaging the national asset.

To change the mindset towards the female child, including the menace of dowry and expansive marriages, there may be need for active involvement of Panchayati Raj institutions; local social, religious and political leaders; media and the entertainment industry; and medical professionals and associations.

In addition, until the mindset changes, there may beneed to collectively address the issue of cost that an individual family cannot face and results in adverse child sex ratio.

The setting up of the National Girl Child Investment Fund (NGCIF) financed by long-term Government bonds, venture capital, agenoies and tax-deductible donations, would be justified. The NGCIF could extend substantial financial support to the family of the girl child from conceptlo~ to cradle and then to college, and even to meet marriage expenses.

Hopefully. with such a liberal funding arrangement, the number of females in the country will increase, get educated and contribute to NGCIF as well as the economy.

- What has been the effect of the conditional cash 1. transfer schemes launched to stem the trend of ad verse sex ratio?
  - (a) The scheme proved a great success and the child sex ratio improved significantly in the States where this scheme was launched.
  - (b) The Central and State govt have made serious efforts through the schemes, but to no avail.
  - (c) Nothing specific about the trend of child sex ratio has been mentioned in the given passage.
  - (d) The major part of the fund provided by the govt is siphoned off by the middlemen leaving the scheme a failure.
  - (e) None of these

What would he the expected implicationts) of	(d) Girls are of no use for the family.
adverse child sex ratio?	(e) All the above
(a) It would result into reduced supply of future labour	7. What, according to UNFPA (201(b), is/are
force. (b) The number of single men above fifty years would	<b>correct?</b> (A)People prefer son to daughter in rural areas
increase significantly.	because of longstanding traditional institutions.
(c) There would be immigration of females from neighbouring countries with difTerent cultures	(B) The proportion of single men, say above f fty years.
(d) The case of human trafficking, forced marriages	would increase up to ten per cent in coming" fi~
and other related crimes would increase.	years.
(e) All the above	(C)Punjab, Haryana and such other states where
	child sex ratio has improved, have quit pre-natal seselection tests.
Find the correct statement(s) on the basis of the	(a) Only (A) and (C) (b) Only (B) and (C)
<b>given passage.</b> (A)The sex ratio is the number of females per	(a) Only (A) and (C) (b) Only (B) and (C) (c) Only(C) (d) Only (A) and (B)
thousand males in 0-6 years age group.	(e) All (A), (B) and (C)
(B)There are only six states in India which have	
recorded a significant fall in child sex ratio during	8. What is the impact of improvement in
2001-11.	educationa attainment as far as preference for
(C)Haryana has recorded an improvement in child sex	sons is concerned Give your answer in the
ratio as per the latest census,	context of the passage.
(a) Only (A) (b) Only (B)	(a) Educated people also discriminate between boys
(c) Only (C) (d) Only (A) and (B)	anc girls.
(e) Only (B) and (C)	(b) Educational attainment leads to reduced preference for son, albeit at a slower pace.
How can the general mindset towards the	(c) Educational attainment is no gurantee of change
female child be changed?	mindset towards son.
(A)By providing extrajob opportunity in govt services	(d) Educational attainment is related to govt jobs. It
(B)By educating people about the adverse effects of	bas nothing to do with the preference for boys or
the reduced number of female children	girls
(C)By giving extra love and affection to female	(e) None of these
children	9. What has/have been suggested by the author to
(a) Only (A) (b) Only (B)	improve the declining trend of child sex ratio?
(c) Only (C) (d) All (A), (B) and (C)	(A)The agencies or individuals responsible for tr-e
(e) Only (A) and (B)	termination of female lire before and after bin
What suggestion(s) has/have been made by the	should attract severe punishment for damaging
author to improve the overall condition	the national asset.
offemale child in India?	(B)The girl child should be treated as our national
(a) The media and the entertainment industry should	asset from the time of conception.
come forward to bring about radical change in the	(C)The Indian girl child should be considered a
mindset towards girl child.	ncarendangered species both inside and outside:
(b) The issue of cost that an individual family cannot	womb. $() \cap h(A) = h(B) = (h) \cap h(B) = h(C)$
face should be addressed collectively.	(a) Only (A) and (B) (b) Only (B) and (C) $(A = A + A + A + A + A + A + A + A + A + $
(c) To meet the future expenses such as marriage, cost	(c) All (A), (B) and (C (d) Only (A) $(A)$
of higher education etc, the National Girl Child	(e) Only (B)
Investment Fund (NGCIF) should be set up	Directions (Q.IO-1(b): In each sentence below four words
(d) The NGCIF should be financed by long-term govt	that the printed in bold have been lettered (a), (b), (c), (d)
bonds, venture capital etc.	and (e). One of them may be wrongly spelt or inappropriate
(e) All the above	
What is/are the reasorus) of gender	the context of the sentence. Find out the word, which wrongly
discrimination? Give your answer in the context	spelt or inappropriate ifthere is any. The letter that word is
of the given passage.	the answer. If all the words, which are printed bold, are
(a) Only boys can earn money for the "family.	correctly spelt and appropriate in the context of the
(b) Boys remain with their parents all along their lives.	sentence, mark (e) as the answer ie All orrect.
(c) It is a generally held perception that girls constitute impoverishment.	

(d)	Girls	are	of no	use	for	the	family.
-----	-------	-----	-------	-----	-----	-----	---------

- !

- according to UNFPA (201(b), is/are t?
  - ple prefer son to daughter in rural areas ause of longstanding traditional institutions.
  - proportion of single men, say above f fty years. Id increase up to ten per cent in coming" fi~ rs.
  - ijab, Haryana and such other states where d sex ratio has improved, have quit pre-natal election tests.
  - y(A) and (C)(b) Only (B) and (C)

- is the impact of improvement in tiona attainment as far as preference for s concerned Give your answer in the t of the passage.
  - cated people also discriminate between boys girls.
  - icational attainment leads to reduced erence for son, albeit at a slower pace.
  - cational attainment is no gurantee of change' dset towards son.
  - cational attainment is related to govt jobs. It nothing to do with the preference for boys or q
  - ne of these
- has/have been suggested by the author to 🗖 ve the declining trend of child sex ratio?
  - agencies or individuals responsible for tr-e nination of female lire before and after bin uld attract severe punishment for damaging national asset.
  - girl child should be treated as our national et from the time of conception.
  - Indian girl child should be considered a rendangered species both inside and outside: . nb.

2.

2

З.

4. 1

5.

6.

- 10. We plan to complete the exhaustive (a)/ performance (b)/ review (c)/ undertook (d)/ by us by next week. All correct (e)
- 11. Home loan borrowers (a)/will be definitely (b)/ affected (c)/ since banks have raised their lending (d)/ rates of interest. All correct (e)
- 12. The Finance Minister has impressed (a)/ satisfaction (b)/ over the progress (c)/ made by regional (d)/ rural banks. All correct (e)
- 13. If they want to maintain (a)/their currentrate of expansion (b)/ they have to consider (c)/ these parametres (d)/. All correct (e)
- 14. India's overall (a)/ trade defecit (b)/ continues (c)/ to be a major source of concern for analysts (d)/All correct (e)
- 15. After severel (a)/ rounds of discussions (b)/ the Manager assented (c)/ to our proposal (d)/ All correct (e)

Directions (Q. 16-20): Rearrange the following six sentences (A), (B), (C), (D), (e) and (F) in the proper sequence to form a meaningful paragraph and then answer the questions given below.

- (A)No doubt, a universal language may help in the cultural unification of the people of the world and remove misunderstanding thai grows out of inability to communicate effectively, but the practical difficulty is to find out such a language.
- (B)Since language is a great medium of communication, the assumption bas been made that if the people of the world have the same language it may help a great deal removing the culture barriers and bring the people of the world nearer to each other.
- (C)As yet no universal single language has been agreed upon and consequently the linguistic differences continue.
- (D)Not on Iy that, people living in the same territory use different languages or speak different dialects.
- (E)The people of the different parts of the world speak different languages.
- (F) These differences in the language of the people of the world have served to limit inter-group communication and perpetuate social isolation.
- **16.** Which of the following should be the FIRST sentence after rearrangement?

 $(a) A \qquad (b) B \qquad (c) D \qquad (d) E \qquad (e) F$ 

- 17. Which of the following should be the SECOND sentence after rearrangement? (a) B (b) D (c) A (d) C (e) E
- 18. Which of the following should be the THIRD sentence after rearrangement?
  (a) C
  (b) D
  (c) B
  (d) A
  (e) F

19.			owing should after rearrang		e LAST
	(a) D	(b) B	(c) C	(d) F	(e) A
20.	Which	of the follow	wing shou ld <b>k</b>	e the FO	DURTH
	sentend	ce after ree	rrangcrnent?		
	(a) B	(b) F	(c) E	(d) D	(e) C

Directions (Q. 21-30): In the following passage, some of the words have been left our.each of which is indicated by a number. Find the suitable word from the options given against each number and fill up the blanks with appropriate words to make the paragraph meaningful.

In the real world, not all men want to be "breadwinners", just like nor all men want to be Violent. or to have power (<u>21</u>) women. What men do want, (<u>22</u>). is to feel needed. and wanted. and useful. and loved. They aren't alone III this -it is one of the most basic human (<u>23</u>) and for too long we have been telling men the only way they can be useful is by (<u>24</u>) home money to a doting wife and kids. or by dying in a war. It was an oppressive, constricting message 50 years ago. and It is doubly oppressive now that society has (<u>25</u>) on and even wars are being fought by robots who @ no widows behind.

The big secret about the golden age of "male providers" is that it (27) existed First, women have always worked. Second, and just as importantly, there have always (28) men who were too poor, too queer. too sensitive, too disabled. too compassionate or simply too clever to submit to whatever model of "masculinity" society relied upon to keep its wars fought and its factories staffed "Traditional (29)" like "traditional femininity", is a form of social control.

We still don't have any positive models for  $\square$  postpatriachai masculinity, and in this age of (<u>30</u>) and  $\square$  uncertainty, we need them more than ever.

21.	(a) of	(b) over	(c) for	(d) in	
   	(e) within				2
22.	(a) when		(b) nonethe	eless	
   	(c) notwiths	tanding	(d) howeve	r I	
	(e) why				
23.	(a) instincts		(b) wishes		2
	(c) requtrem	nonts	(d) body		
	(e) condition	IS		1	
24.	(a) generati	ng	(b) creating	g	
	(c) bringing		(d) arrangi	ng	
1	(e) spending	5			
25.	(a) came	(b) called	(c) taken	(d) went	
   	(e) moved			1	
26.	(a) quit	(b) leave	(c) keep	(d) turn	
   	(e) uphold				2
27.	(a) never		(b) moreov	er	
   	(c) whatsoev	ver	(d) ever	1	
1	(e) all				

3

**SBI PO Mock 6** 

28	(a) be	(b) being	(c) a	(d) been	!	(e) masculinity		
20		(b) being	$(\mathbf{c})$ a	(u) been		•		
	(e) mostly				30.	(a) hope	(b) destruction	
29	(a) civilisati	ion	(d) custom			(c) desperation	(d) disruption	
	(c) system		(d) Family		i	(e) science		
	(-) - 0		(		I			

## **Test-II Reasoning Ability**

## Directions (Q. 31-36): Study the following information carefully and answer the given questions.

A, D, F, H, J, I and L are seven employees in an organisation, who are learning distance courses in different institutes, viz SMU, PTU and IGNOU. There are three girls among these seven students. Each of the girls studies in the three different institutes. Two of the seven students study Accounts, two study Computer Science and one each studies MCA, Finance and Textile Designing.

F studies in the same institute as A, who studies Textile Designing in PTU. No girl studies Finance or Textile Designing. J studies Accounts in SMU and his brother I studies MCA in IGNOU. H studies Finance in the same institute as D. Neither F nor L studies Accounts. The girl who studies Accounts does not study in IGNOU.

**31.** Which of the following pairs of students study **Computer Science?** 

(a) D, A (b) L, A (c) F, L (d) H, F (e) None of these

32. What is the field of study of F?

(a) Accounts (b) MCA

(c) Finance (d) Computer Science

- (e) None of these
- **33.** Which of the following groups represents girls? (a) H, D, I (b) L, D, A (c) D, L, F (d) F, A, J (e) None of these
- **34.** In which of the following institutes do three employees study?

(a) IGNOU	(b) SMU or PTU
(c) SMU	(d) PTU
() ) ] ]	

- (e) None of these
- **35.** In which of the following institutes does D study?

(a) SMU	(b) PTU	(c) IGNOU
(d) Can't be	e determined	(e) None of these

- **36.** Which of the following combinations is not true?
  - (a) L Male IGNOU Computer Science
  - (b) A-Male-PTU-MCA
  - (c) Either (a) or (b)
  - (d) Both (a) and (b)
  - (e) None of these

Directions (Q. 37-38): Study the following information carefully and answer the given questions.

Jay starts his van from point X and covers a distance of 10 km towards west, then he turn norths and covers a distance of 17 km. Again, he takes a right turn and covers 25 km. Now he covers 6 km, after taking a left turn. At last he takes a left turn and covers 15 km and stops at point Z.

37.		which direc pping at po		e van running	
		(b) East		(d) South	
38.	How far is	s Jay from p	ooint X?		
		(b) 25 km		(d) 50 km	i
39.	Z is sixth f their posi thirteenth position o	from the rig tions amon from the le f Z from rig (b) 14th	ht. When th g themselv eft. Then, w ht?	om the left and ey interchange es, A becomes hat will be the (d) 20th	;
40.	such even exactly di number immediate 495267	numbers a ivisible b> but not e succeeding 283589 (b) One	re there ea its immedi exactly div g number? 3 9 4 3 6 5 3		5

Directions (Q. 41-45): Study the following information carefully to answer the given questions.

A word and number arrangement machine when giver. an input line of words and numbers rearranges them following a particular rule in each step. The following is an  $\blacksquare$ illustration of the input and its rearrangement. 

Input : 25 11 ice cage 12 it redact tacit 32 55 Step I: it 55 25 11 ice cage 12 redact tacit 32 Step II : ice 11 it 55 25 cage 12 redact tacit 32 Step III : cage 12 ice 11 it 55 25 redact tacit 32 Step IV: tacit 32 cage 12 ice 11 it 55 25 redact Step V: redact 25 tacit 32 cage 12 ice 11 it 55

Step V is the last step of the above input. As per the rules in the above steps, find out in each of the follov questions the steps for the input given below: 

Input: forsake 36 ebullience page 89 10 quack 42 amicable 5621 redact 

All the Best by : Alok Gupta Sir & Ritu Gupta Mam WWW.Guptaclasses.com

4

	Which of the following steps would be the last	
	step but one?	All shells are boxes.
	(a) III (b) V (c) VI (d) IV	All boxes are pearls.
	(e) None of these	Conclusions : I. Some shells are pearls.
	If in Step IV "42" is related to 'page' and 'redact'	II. Some stones are boxes.
	is relatec to' 10' in a certain way. Following the	(49-50):
	same way, 'quack' is related to which of the	Statements : All chains are bangles.
	following?	Some bangles are pendants.
	(a) 89 (b) amicable (c) 36	No pendant is a ring.
	(d) ebullience (e) None of these	49. Conclusions : I. Some chains are pendants.
43.	What is the position of forsake' in Step III?	II. No chain is a bangle.
	(a) Sixth from the left (b) Eighth from the right	50. Conclusions : I. Some rings being pendants is a
	(c) Sixth from the right (d) Fifth from the left	possibility.
	(e) None of these	III. Some bangles are chains.
44.	Which of the following will be Step V?	<b>51.</b> If $\mathbf{R} < \mathbf{Q}$ and $\mathbf{V} \le \mathbf{Q}$ are definitely true then which
	(a) ebullience 36 amicable 89 forsake 42 redact 21	of the following symbols should be placed in the
	quack 56 page 10	blank spaces respectively?
	(b) amicable 89 forsake 42 redact 21 page 10 36 quack 56 ebullience	$K > R \_ C = Q \ge A = M \_ V$
	(c) amicable 89 forsake 42 redact 21 quack 56 page 10	$(a) \leq \geq (b) < \geq (c) \leq = (d) > \geq$
	36 ebullience	(e) None of these
	(d) Can't be determined	<b>52</b> . Which of the following expressions is true if the
	(e) None of these	given expression is true?
45.	How many steps will be required to complete	$L \ge N = J < P \le S > T$
	the rearrangement?	(a) $S > J$ (b) $L > P$ (c) $T < J$ (d) $P \ge N$
	(a) Four (b) Five (c) Seven (d) Six	(e) None of these
	(e) None of these	53. Which of the following symbols should be placed
Dire	ections (Q. 46-50): In each question below are given	in the blank spaces respectively in order to
	e statements followed by two conclusions numbered I and	complete the given expression in such a manner
		that makes the expression $H \ge K$ and $G > J$
	You have to take the given statements to be true even if	definitely true?
	y seem to be at variance with commonly known facts and	<b>K</b> _ <b>J</b> _ <b>I</b> _ <b>H</b> _ <b>G</b>
	n decide which of the given conclusions logically follows	$(a) <, =, \leq, < (b) \leq, \leq, = > (c) \leq, =, \leq, < (d) =, <, <, =$
	n the given statements, disregarding commonly known	(e) None of these
fact	's. Give answer	54. Which of the following expressions is false if the
	(a) if only conclusion I follows.	given expression is true?
	(b) if only conclusion II follows.	$T \le S < R = Q > P \ge U$
	(c) if either conclusion I or 11 follows.	(a) $Q > T$ (b) $R > U$ (c) $S = Q$ (d) $P < R$
	(d) if neither conclusion I nor 11 follows.	(e) None of these
	(e) if both conclusions 1 and II follow.	55. What will come in place of question mark (?) to
46.	Statements : Some schools are colleges.	make the expressions $S < Z$ as well as $R \ge A$ definitely true?
	Some colleges are hostels.	$Z > A = N ? S \le P \le R$
	No hostel is an institute.	$(a) > (b) \le (c) < (d) =$
	Conclusions : I. All institutes being colleges is a	(a) V (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c
	possibility.	
	II. No institute is a hostel.	Directions (Q. 56-60): Study the following information
47.	Statements : All nails are hammers.	carefully and answerthe given questions.
	All hammers are needles.	In a certain code language 'speak the truth' is written
	Some needles are threads.	as 'ke la ta', 'always seek knowledge' is written as 'bi ti na',
	Conclusions : I. At least some threads are hammers.	knowledge is truth' is written as 'ti ta si' and 'never seek
	II. All hammers being nails is a possibility.	violence' is written as 'li bi za'.
	·	

6			SBI PO Mock 6
56.	Which of the following codes stands for 'always'?	1	(e) None of these
	(a) ti (b) na (c) bi (d) ke	63.	India is 9th in a global nation brand study done
	(e) None of these	   	by Brand Finance, a leading brand valuation
57.	What does the code 'ta' stand for?	   	company, ahead of countries like Australia,
	(a) truth (b) the (c) speak	   	Singapore or Switzerland. Its brand value has
	(d) the or speak (e) None of these	   	even risen by 10 per cent between 2012 and 2013.
58.	Which of the following is the code for 'is'?	   	Which of the following statements substantiates
	(a) ta (b) bi (c) si (d) ti	   	the fact expressed in the above statement?
	(e) None of these	1	(a) Most of the start-ups do not have the critical mass to make an impact.
59.	Which of the following can be a code for	1	(b) The government has done few road shows.
	'violence is always seek'?		(c) Foreign investors have problems with the
	(a) si na bi ti (b) zalibina	   	country's administration.
	(c) binataza (d) Can't be determined		(d) India's biggest industrialists arc investing in other
	(e) None of these	1	markets.
60.	'ke la li za' is the code for which of the following?		(e) None of these
	(a) knowledge is always speak	64.	Travellers should generally be careful about
	(b) the violence is truth	1	booking a hotel at the time that a big convention is in town.
	(c) never speak the violence	1	Which of the following is the most plausible
	(d) Can't be determined	1	reason for exercising this caution?
	(e) None of these		(a) Hotels boost rates when conventions are going on
61.	India's neighbouring countries have seen a	1	in town.
	surge in their imports of the metal. This gold is		(b) Terrorist threats are likely at the time of
	then being carried across into India by	1	conventions.
	smugglers.	1	(c) Conventions are a breeding ground for swindlers of all types.
	Which of the following inferences can best be	1	(d) If you go to a town where a convention is going on,
	<ul><li>drawn from the above statements?</li><li>(a) There is duty differential between India and its</li></ul>	   	you are most likely to spend all your time
	neighbouring countries.	   	attending the convention.
	(b) The tough restrictions on the metal's imports could	   	(e) None of these
	'be eased.	65.	It's no secret that in America, the wealthy have
	(c) India has a high current account deficit.	   	a reputation for getting away with murder —
	(d) There has been a sharp depreciation of the rupee.	   	both literal and metaphorical — provided they
	(e) None of these	1	pay up.
62.	The Competition Commission of India (CCI) has	1	Which of the following assumptions is implicit in above statement? (An assumption is somet'n
	found Coal India (CIL) guilty of abusing its monopoly against power producers.	1	supposed or taken for granted.)
	Which of the following courses of action should	1	(a) Murders have become very common in America.
	best be taken?	1	(b) It is important to pay in America before you comr
	(a) A coal regulator should be formed.	1	crime.
	(b) CIL should be asked to appoint an internal audit		(c) Money rules the roost in America.
	committee.	1	(d) Murder does not have a literal meaning.
	(c) The coal sector should be restructured by	1	(e) None of these
	introducing more players.		
	(d) A public interest litigation (PIL) should be filed against CIL.	 	
	agamst Oth.	i	
	Test-III Quanti	tat	ive Antitude
	165t-111 qualiti	ial	

Directions (Q. 66-70): Each question below is followed by two statements A and B. You arc to determine whether the data given in the statement is sufficient for answering the question. You should use the data and your knowledge of Mathematics to choose between the possible answers. Read both the statements and give answer

(a) if the statement A alone is sufficient to answer question, but the statement B alone is not	(a) 448 (e) 412
<ul><li>sufficient.</li><li>(b) if the statement B alone is sufficient to answer the question, but the statement A alone is not sufficient.</li></ul>	Directions question m
(c) if both statements A and B together are needed to answer the question.	<b>76.</b> (12) <sup>20</sup> (a) (12)
<ul><li>(d) if either the statement A alone or the statement B alone is sufficient to answer the question.</li><li>(e) if you cannot get the answer from the stalement A</li></ul>	(e) non <b>77. 34.667</b> (a) 14.4
and B together, but need even more data. <b>66.</b> What is the rate of interest (pepa) on an amount of Ba 6000 demosited in a hearbo	(a) 14. (e) Nor <b>78. [(140)</b> <sup>2</sup>
<ul> <li>of Rs 6000 deposited in a bank0</li> <li>A. The simple interest for four years is Rs 2,400.</li> <li>B. The difference between the simple interest and compound interest is Rs 384.6.</li> </ul>	(a) 38 (e) Nor <b>79. 456 +</b>
67. What is the number ?	(a) 462
A. 75% of that number is three-fourths of that number.	(e) Nor <b>80.</b> $\sqrt{\sqrt{179}}$
B. Three-fourths of that number is less by 34 of that number.	(a) 256 (e) Nor
<ul><li>68. The ages of Sakshi and Sanchit are in the ratio 7</li><li>: 6. What is the age of Sanchit ?</li></ul>	Directions
A. The ages of Sakshi and Smita are in the ratio of 8 : 5.	in place of
B. After 5 years the ratio of Smita's and Sanya's ages will be 3 : 2.	<b>81. 724.99</b> (a) 8
<ul><li>69. Is B an odd number?</li><li>A. B multiplied by an odd number is equal to an even number.</li></ul>	82. (848.9 (a) 940 (e) 374
B. B is divisible by 2.	<b>83</b> . <sup>3</sup> ⁄8490
70. What is the salary of D, in a group of A, B, C, D, E	(a) 56
<ul><li>and F whose average salary is Rs 50,5687?</li><li>A. Total of the salaries of A and F is Rs 78,980.</li><li>B. Total of the salaries of B and C is Rs 54,665.</li></ul>	<b>84.</b> 18.5% (a) 141
	<b>85</b> . 18.345
Directions (Q. 71-75): What should come in place of	(a) 46
question mark (?) in the following number scries?	86. Which
71. 81 512 2401 7776 15625 16384 ?	the in
(a) 2187 (b) 19683 (c) 729 (d) 512 (e) 6561	(a) $2 <$ (c) $-2$
<b>72.</b> 8 64 216 512 1000 1728 ? (a) 4096 (b) 2744 (c) 3375 (d) 2197	(e) Nor 87. In ho
(e) 4913	boys l
73. 3 4 10 33 136 685 ?	(a) 540
(a) 3430 (b) 4802 (c) 5145 (d) 4116	(e) Nor
(e) 5488	<b>88.</b> If 3 <i>x</i> -
<b>74.</b> 6 12 18 40.5 121.5 455.625 ? (a) 2050.1125 (b) 2050.2125	value
$\begin{array}{c} (a) \ 2050.1125 \\ (b) \ 2050.2125 \\ (c) \ 2050.3125 \\ (d) \ 2050.4125 \end{array}$	(a) 15
(e) 2050.5125 (d) 2050.4125 (e) 2050.5125	(e) Nor
75. 4 18 48 100 180 294 ?	   

	(a) 448 (e) 412	(b) 424	(c) 436	(d) 460
		76-80): Wh ?) in the follow		ome in place of us?
76.	$(12)^{20} \times (12)^{10}$	$)^{5} = ?$		
	$(a)(12)^{100}$		$(c)(12)^{25}$	$(d)(12)^{15}$
	(e) none of t		(-) ()	()
77.		5.597 - 8.491	- 0.548 = ?	
		(b) 10.031		(d) 21.043
	(e) None of		(0) 101001	(4) = 110 10
78.		$(\times 16] \div 8 = 14$	1 × ?	
	(a) 38			(d) 40
	(e) None of			(u) 10
79		0.75 - 12 = ?		
/0.	(a) 462		(c) 348	(d) 624
	(e) None of		(0) 010	(u) 024
RU	$\sqrt{\sqrt{17956}} +$			
			(a) 1 E E	$(\mathbf{J})$ 10
	(a) 256		(c) 155	(d) 19
	(e) None of			
				alue should come
in p	place of the qu	lestion mark (?	?) in the follo	wing questions?
81.	<b>724.998</b> ÷ 2	4.048 ÷ 14.98	54 = ?	
	(a) 8	(b) 13	(c) 2	(d) 10 (e)16
82.	(848.999 +	274.052) ÷ 3.	0054 = ?	
	(a) 940			(d) 298
	(e) 374			
83.	$\sqrt[3]{84900} = ?$			
	(a) 56	(b) 44	(c) 67	(d) 33 (e)21
84.	18.5% of 42	25 + 16.2% of	388 = ?	
	(a) 141	(b) 224	(c) 116	(d) 183 (e)215
85.	18.345 × 19	$0.068 \times ? = 11$		
	(a) 46	(b) 61	(c) 27	(d) 33 (e) 55
86.				f x will satisfy
		ality $x^2 - 5x$	-	a will savisiy
	(a) $2 < x < 3$	•	(b) $-3 < x <$	< -2
	(c) $-2 < x <$		(d) - 3 < x	< 2
	(e) None of	these		
87.	In how ma	any differen	t ways car	n 3 girls and 4
				all the girls sit
	together a	nd all the b	oys sit toge	ther?
	(a) 540	(b) 360	(c) 144	(d) 288
	(e) None of	these		
88.	If $3x + 7y =$	= 75 and 5 <i>x</i> -	-5y = 25, th	en what is the
	value of <i>x</i>	+ <b>y</b> ?		
	(a) 15	(b) 14	(c) 17	(d) 16
	(e) None of	these		

WWW.Guptaclasses.com All the Best by : Alok Gupta Sir & Ritu Gupta Mam

Т

2

89. Sujata started a business investing Rs 45,000. Neeta joined her after six months with Rs 80,000 and Ramesh joined them with Rs 1,20,000 after one year. Profit earned at the end of two years after Sujata started the business should be distributed among Sujata, Neeta and Ramesh respectively in what ratio?

(a) 9:16:24	(b) 3 : 4 : 4
(c) 3 : 4 : 8	(d) 3 : 3 : 8
(e) None of these	

**90.** If the perimeter of a circle is increased by 20%, what will be the effect on the area of the circle?

a) 40% increase	(b) 44% increase
c) 48% increase	(d) Cannot be determined

(c)	48% increase	(d) Cannot be det	;6

- (e) None of these
- 91. Ramakant invested amounts in two different schemes A and B for five years in the ratio of 5:4 respectively. Scheme A offers 8% simple interest and bonus equal to 20% of the amount of interest earned in 5 years on maturity. Scheme B offers 9% simple interest. If the amount invested in scheme A was Rs 20,000, what was the total amount received on maturity from both the schemes?

(a) Rs. 58,200	(b) Rs. 50,800
(c) Rs. 51,200	(d) Rs. 52,800
(e) None of these	

**92.** Two trains A and B start running together from the same point in the same direction, at the speeds of 60 kmph and 72 kmph respectively. If the length of both the trains is 240 metres, how long will it take for train B to cross train A?

a) 2 min 12 sec	(b) 1 min 24 sec
c) 1 min 12 sec	(d) 2 min 24 sec

- (e) None of these
- 93. The salary of Mr X increases every year in April by 15%. If his salary in July 2001 was Rs 20,000, what was his salary in September 2003?

(a) Rs. 26,450 (b) Rs. 24,650 (c) Rs. 25,460 (d) Rs. 26,540 (e) None of these

Directions (Q. 94-95): Answer the questions on the basis of the following data. 

A committee of 5 members is to be formed by selecting out of 4 men and 5 women.

94. In how many d ifferent ways can the committee be formed if it should have at least 1 man? (a) 115 (b) 120 (c) 125 (d) 140 (e) None of these

95. In how many different ways can the committee be formed if it should have 2 men and 3 women? (c) 45 (d) 36 (a) 16 (b) 60 (e) None of these 

Directions (Q. 96-100): In each of these questions, two equations are given. You have to solve these equations and find out the values of x and y and give answer 

(a) if x < y (b) if x > y (c)  $x \le y$ (d)  $x \ge y$ (e) x = y**96.** I.  $16x^2 + 20x + 6 = 0$ II.  $10y^2 + 38y + 24 = 0$ **97.** I.  $18x^2 + 18x + 4 = 0$ II.  $12y^2 + 29y + 14 = 0$ **98.** I.  $8x^2 + 6x = 5$ II.  $12y^2 - 22y + 8 = 0$ **99.** I.  $17x^2 + 48x = 9$ II.  $13y^2 = 32y - 12$ **100.** I. 4x + 7y = 209II. 12x - 14y = -38

ANSWER KEY	
<b>1.</b> (b) <b>2.</b> (e) <b>3.</b> (c) <b>4.</b> (b) <b>5.</b> (e)	6. (c) 7. (e) 8. (b) 9. (c) 10. (d)
<b>11.</b> (e) <b>12.</b> (a) <b>13.</b> (d) <b>14.</b> (b) <b>15.</b> (a)	<b>16.</b> (d) <b>17.</b> (b) <b>18.</b> (e) <b>19.</b> (c) <b>20.</b> (a)
<b>21.</b> (b) <b>22.</b> (d) <b>23.</b> (a) <b>24.</b> (c) <b>25.</b> (e)	26. (b) 27. (a) 28. (d) 29. (e) 30. (c)
<b>31.</b> (c) <b>32.</b> (d) <b>33.</b> (c) <b>34.</b> (c) <b>35.</b> (a)	<b>36.</b> (d) <b>37.</b> (c) <b>38.</b> (a) <b>39.</b> (b) <b>40.</b> (d)
<b>41.</b> (b) <b>42.</b> (d) <b>43.</b> (c) <b>44.</b> (c) <b>45.</b> (d)	<b>46.</b> (e) <b>47.</b> (b) <b>48.</b> (e) <b>49.</b> (d) <b>50.</b> (b)
<b>51.</b> (b) <b>52.</b> (a) <b>53.</b> (c) <b>54.</b> (c) <b>55.</b> (d)	56. (b) 57. (a) 58. (c) 59. (a) 60. (c)
61. (a) 62. (c) 63. (e) 64. (a) 65. (c)	<b>00.</b> (a) <b>01.</b> (b) <b>00.</b> (e) <b>03.</b> (c) <b>10.</b> (e)
71. (e) 72. (b) 73. (d) 74. (c) 75. (a)	76. (c) 77. (b) 78. (d) 79. (a) 80. (e)
81. (c)       82. (e)       83. (b)       84. (a)       85. (d)         91. (d)       92. (d)       93. (a)       94. (c)       95. (b)	86. (a)       87. (d)       88. (c)       89. (b)       90. (b)         96. (b)       97. (d)       98. (c)       99. (a)       100. (e)
Hint & S	Solutions
66. Statement A :	$=\frac{4480 \div 8}{14}=\frac{560}{14}=40.$
Rate of interest	14 14
$=\frac{\mathrm{SI}\times100}{\mathrm{P}\times\mathrm{T}}$	<b>79.</b> $? = 456 + 24 \times 0.75 - 12 = 456 + 18 - 12 = 462$
	<b>80.</b> $? = \sqrt{\sqrt{17956} + \sqrt{24025}}$
$=rac{2400 imes 100}{6000 imes 4}=10\%$ per annum.	$=\sqrt{134+155}=\sqrt{289}=17$
In statement B, time of deposit is not given so we cannot	<b>81.</b> $? = 724.998 \div 24.0488 \div 14.954$
find the solution.	$= 724.998 \times \frac{1}{24.048} \times \frac{1}{14.954}$
<b>67. Statement B :</b>	$= 2.0160461589 \approx 2$
$x - \frac{3x}{4} = 34;$ or $\frac{x}{4} = 34;$	<b>82.</b> $? = (848.999 + 274.052) \div 3.0054$
$\therefore$ $x = 34 \times 4 = 136$	$= 1123.051 \div 3.0054$
Statement A :	$= 373.67 \approx 374$
75% of any number is $\frac{3}{4}$ of the number. It does not given	
*	<b>84.</b> $? = 18.5\%$ of $425 + 16.2\%$ of $388$ .
any particular value.	= 78.625 + 62.856
<b>68</b> . Both the statements even together can't give the answer.	<i>=</i> 141.481 ≈ 141
69. Statement A : No. B is not an odd no.	<b>85.</b> $? = \frac{11538.93375}{11538.93375} = \frac{11538.93375}{11538.93375}$
Statement A : No. B is not an odd no. Statement B : No B is an even no.	$-\frac{18.345 \times 19.068}{349.80246}$
So either statement given the answer.	= 32.986 ≈ 33
70. Statements $(A+B)$ : give salary of D and E	<b>86.</b> Here $x^2 - 5x + 6 < 0$
together, but not the salary of D alone.	or $(x-3)(x-2) < 0$
71. Series is $9^2$ , $8^3$ , $7^4$ , $6^5$ , $5^6$ , $4^7$ , $3^8$	Hence, we get $x > 2$ and $x < 3$
0	ie $2 < x < 3$ is the correct choice.
$\therefore   ? = 3^{\circ} = 6561$ <b>72.</b> Series is $2^3, 4^3, 6^3, 8^3, 10^3, 12^3, \dots$	87. The two groups of girls and boys can be
Then $? = 14^3 = 2744.$	arranged in 2! ways.
	Also, the three girls can be arranged among
<b>73.</b> $3 \times 1 + 1 = 4; 4 \times 2 + 2 = 10; 10 \times 3 + 3 = 33$ $33 \times 4 + 4 = 136; 136 \times 5 + 5$	themselves in 3! ways. Also, the four boys can be arranged among themselves
$= 685; 685 \times 6 + 6 = 4116$	in 4! ways.
<b>76.</b> $? = (12)^{20} \times (12)^5 = (12)^{20+5} = (12)^{25}$	Hence, the total number of required arrangements
77. ? = 34.667 - 15.597 - 8.491 - 0.548	= 2!×3!×4! = 288
= 34.667 - 24.636 = 10.031.	88. We can rewrite the equations as follows :
	15x + 35y = 375(i)
<b>78.</b> $? = \frac{[(140)^2 \div 70 \times 16] \div 8}{14}$	and $15x - 15y = 75$ (ii)
	From equations (i) and (ii), we get
l	y = 6 and $x = 11$

WWW.Guptaclasses.com All the Best by : Alok Gupta Sir & Ritu Gupta Mam

x + y = 17

89. The required ratio of profits of Sujata, Neeta and Ramesh = 45,000  $\times$  2 : 80,000  $\times$  1.5 : 1,20,000  $\times$  1

**90.** Note that here circumference (perimeter) of the circle has been increased by 20%. This implies that the radius of the circle must be increased by 20% (because circumference of a circle =  $2\pi r$ ; where r = radius of the circle).

Now, since area of the circle  $= \pi r^2$ , where *r* is multiplied twice, this implies that the area will witness two consecutive increases by 20%.

Hence, the required % increase

$$= 20 + 20 + \frac{20 \times 20}{100} = 44\%$$

**91.** Here, the amounts invested in the schemes A and B are Rs. 20,000 and Rs. 16,000 respectively. Through the scheme A Ramakant gets

 $\left(8 \times 5 \frac{8 \times 5 \times 20}{100} =\right) 48\%$  as interest (including bonus)

on the amount invested.

Whereas, through the scheme B Ramakant gets (9  $\times$  5 =) 45% as interest on the amount invested.

Hence, the total amount received on matutiry from both the schemes

= 148% of 20000 + 145% of 16000 = Rs. 29,600 + Rs. 23,200

$$=$$
 Rs. 52,800

92. Note that when a train crosses another train, it travels a distance equal to the sum of the lengths fo both the trains. Hence, the total distance travelled by the train is  $(240 \times 2 =)$  480 m.

Here, the relative speed of the train

 $= 72 - 60 = 12 \,\mathrm{km}$  per hour

ie 
$$12 \times \frac{5}{18}$$
 m/sec

Hence, the required time =  $\frac{480 \times 18}{12 \times 5} = 144$  sec,

ie 2 min and 24  $\sec$ 

**93.** During the given period (July 2001 to September 2003), salary of Mr x increased twice. Hence the overall increase in the salary  $= 15 + 15 + \frac{15 \times 15}{100} = 32.25\%$ Hence, the salary in September 2003  $= \frac{20000 \times 132.25}{100}$  $= 2 \times 13225 = \text{Rs}. 26,450$ 

95. Here, two men out of 4 men can be selected in  ${}^{4}\mathrm{C}_{2}$  ways. Also, three women out of 5 women can be selected in  ${}^{5}C_{3}$  ways. Hence, the total number of different ways of selection  $= {}^{4}C_{2} \times {}^{5}C_{3} = \frac{4 \times 3}{2 \times 1} \times \frac{5 \times 4 \times 3}{3 \times 2 \times 1}$  $= 6 \times 10 = 60$ **96.** I.  $16x^2 + 20x + 6 = 0$  $16x^2 + 12x + 8x + 6 = 0$ 4x(4x+3) + y(4x+3) = 0(4x+3)(4x+2) = 0 $x = \frac{-3}{2}$  or  $\frac{-1}{2}$ *.*.. II.  $10y^2 + 38y + 24 = 0$  $5y^2 + 19y + 12 = 0$  $5y^2 + 15y + 4y + 12 = 0$ 5y(y+3) + 4(y+3) = 0(5y + 4)(y + 3) = 0 $y = \frac{4}{5}$  or -3*.*.. Hence, x > y**97.**  $18x^2 + 18x + 4 = 0$  $9x^2 + 9x + 2 = 0$  $9x^2 + 6x + 3x + 2 = 0$ 3x(3x+2) + 1(3x+2) = 0(3x + 1)(3x + 2) = 0 $x = \frac{-1}{3}$  or  $\frac{-2}{3}$ *.*.. II.  $12y^2 + 29y + 14 = 0$  $12v^2 + 21v + 8v + 14 = 0$ 3y(4y+7) + 2(4y+7) = 0(3y+2)(4y+7) = 0 $y = \frac{-2}{3}$  or  $\frac{-7}{4}$ *.*..  $x \ge y$ Hence, **98.** I.  $8x^2 + 6x - 5 = 0$ 2x(4x+5) - 1(4x+5) = 0(2x - 1)(4x + 5) = 0 $x = \frac{1}{2}$  or  $\frac{-5}{4}$ *.*.. II.  $12y^2 - 22y + 8 = 0$  $12v^2 - 16v - 6v + 8 = 0$  $4\gamma(3\gamma - 4) - 2(3\gamma - 4) = 0$ (4y-2)(3y-4) = 0 $y = \frac{1}{2}$  or  $\frac{4}{3}$ *.*.. Hence,  $x \leq y$ **99.** I.  $17x^2 + 48x - 9 = 0$  $17x^2 + 51x - 3x - 9 = 0$ 17x(x+3) - 3(x+3) = 0(17x - 3)(x + 3) = 0

...

$\therefore \qquad x = \frac{3}{17}  \text{or}  -3$	8x + 14y = 418 II. $12x - 14y = -38$	(i) (ii)
II. $13y^2 - 32y + 12 = 0$	From (i) and (ii), we get	
$13y^2 - 36y - 6y + 12 = 0$	20x = 380	
13y(y-2) - 6(y-2) = 0	$\therefore$ $x = 19$	
(13y - 6)(y - 2) = 0	Putting value of <i>x</i> in equation (i),	
∴ $y = \frac{6}{13}$ or 2	we get $y = 19$	
$y = \frac{1}{13}$ or 2		
Hence, $x < y$	$\therefore$ $x = y$	
<b>100.</b> I. $4x + 7y = 209$	!	

\_