Section I

LANGUAGE COMPREHENSION

Directions for question 1 to 6:

Read the following passage carefully to answer these questions based on what is stated or implied therein :

The public sector is at the cross roads ever since the launch of economic reforms programme in India. The pendulum has been swinging between survival and surrender. It is the result of a confluence of several factors: a shift in global economic environment, the emergence of the market economy and myths surrounding the performance of the public sector. So virulent has been the onslaught that it is becoming axiomatic that by the very concept, the public sector is inefficient and resource waster whereas private enterprise is resource efficient.

The reform programme in India commenced with the policy of restricting of the public sector supported by greater public participation. With the passage of time, the process of liberalisation has shifted to privatisation in a disguised form couched as strategic role, in the wake of the recent hot pursuit of the wholesale privatisation programme a lively ana poignant debate has emerged. It provides a golden opportunity to introspect and revisit the issue.

At the very outset, it must be made clear that in the worldwide liberalised economic environment and very high stake of the state in most public sector undertakings disinvestment policy seeks to differentiate closed or bankrupt enterprise from the private sector—a fact deliberately overlooked by the champions of privatisation. These undertakings need immediate attention. They are an unnecessary drain on the public exchequer. A high priority area for the disinvestment programme ought to be these enterprises but under one or the other argument these remain unattended, may be it involves a tough task.. If these cannot be sold lock, stock and barrel asset stripping is the only option. Obviously the government cannot realise good price from these assets but their disposal will help stop the drain. If the assets are depreciated or became obsolete, then there is no point in holding on to them indefinhely and take to softer option of selling the vibrant and highly profit-making organisations to reduce the budgetary deficit. Non performers exist both in public and private sectors. Why condemn the public sector as a whole? Better option will be closure or privatisation of loss-making and non-viable units supporting PSU's which could be turned around and become healthy and viable and providing autonomy to the boards of PSU's which are performing well and have potential to be globally competitive be welcome. With public participation in the PSU's there will be a good dose of accountability in the system. What needs to be reviewed are some basic issues : the priorities allocated to the enterprises selected for disinvestment, a comprehensive road map delineating the route, the modes and modalities timing and its consequences. These basic issues require greater discussion and participative decisionmaking. In any event, the disinvestment programme in respect of the closed and nonrevivable units is a must if the drain of further resources is to be prevented.

Let it be understood that PSU's are a big repository of value and it will take quite some time for privatisation programme to materialise despite the desire to expedite the process.



Until then if a vacuum emerges attended by uncertainty it will do a great harm to the investments which were made with such great dedication although desired now.

The government has withdrawn a budgetary support over the last decade. If some support is extended it is largely directed to closed or losing enterprise which have no fortune.

- 1. The basic issue(s) requiring greater discussion and participative decision making regarding the disinvestment programme is/are
 - 1) The priorities allocated to the enterprises selected for disinvestment
 - 2) A comprehensive road-map delineating the route
 - 3) The modes and modalities, timings and its consequence
 - 4) All of these
- 2. "The public sector is inefficient and resources waster whereas private enterprise is resource-efficient". This opinion is due to
 - 1) A shift in global economic environment
 - 2) The emergence of market economy
 - 3) The myths surrounding the performance of the public sector
 - 4) All of these
- The reform programme in India, started with the policy of restructuring of PSUs, has got shifted to
 - 1) Liberalisation
 - 2) Privatisation
 - 3) Globalisation
 - 4) None of these
- 4. What were made with great dedication earlier, but now derided?
 - 1) Disinvestment
 - 2) Investments in PSUs
 - 3) Wholesale privatisation programme
 - 4) Strategic plans
- 5. According to the author, non-performers exist in.
 - 1) Government
 - 2) Public sector
 - 3) Private sector
 - 4) Public and private sectors
- 6. An appropriate title to the passage will be
 - "Disinvestment of PSUs"
 - 2) "Economic Reforms Programmes in India"
 - 3) "liberalised Economic Environment"
 - 4) "Non-performing Assets"



Directions for question 7 to 10:

Read the following passage carefully to answer these questions based on what is stated or implied therein :

Of the many aspects of public administration, the ethical aspect is perhaps the most important but the least codified. While administrative rules and procedures have been codified in various public documents and manuals there is no manual for the ethics of public servants.

While organisational behaviour analyses the factors which influence the behaviour of individuals in an organisation, ethics refers to those norms and standards which behaviour of the people in an organisation must conform to. While behaviour analysis deals with factual aspects, ethics relates to the normative aspects of administration. The normative aspects are of the greatest significance. Just as for an individual if character is lost, everything is lost, so also for an administration if the ethics is lost, everything is lost. Neither efficiency nor loyalty could be substitute for high ethical standards. In India, though there is no etnical code for public administrators, there are what are called, the Government Servants Conduct Rules. These rules lay down what constitutes misconduct for the public servants. It is apparently implied that such misconduct, which is not permitted, is also unethical conduct.

- 7. As per the passage, organisational behaviour is
 - 1) Same as ethics in organisations
 - 2) Different from ethics in organisations
 - 3) Human behaviour in organisations including ethics
 - 4) None of these
- 8. Ethics is to an administration, what character is for
 - 1) An administrator
 - 2) An official
 - An individual
 - 4) None of these
- 9. Government Servants' Conduct Rules are meant for
 - Guiding the ethical conduct of government servants
 - 2) Guiding what constitutes misconduct for public
 - 3) Guiding what constitutes misconduct for government servants
 - 4) None of these
- 10. The underlined word 'manual' in the context of the given passage means
 - Hand operated
 - 2) Physical
 - Guide book
 - 4) None of these

Directions for question 11 to 13: Choose the word that does NOT match with the two given words.

Wonderful, Fabulous



1) Superb
2) Superlative
3) Great
4) Splendid
12. Inordinate, Huge
1) Excessive
2) Considerable
3) Insatiable
4) Enormous
13. Laconic, Succinct
1) Terse
2) Brief
3) Concise
4) Abrupt
Directions for question 14 to 16: Choose the appropriate set of words that makes the
sentence most meaningful.
14. The successfully repelled every on the city.
1) Defenders, Comment
2) Citizens, Onslaught
3) Thieves, Robbery
4) Judge, Criticism
15. He was very clever, but he performed excellently.
1) Certainly, Obviously
2) Never, Also
3) Not, Always
4) Rarely, Seldom
16. A analysis of these substances will show that they differ
1) Random, Minutely
2) Detailed, Essentially
3) Careful, Completely
4) Final, Structurally
Directions for question 17 to 19: In each of those questions, one sentence is split and written in four portions. Each sentence is complete, but contains an error. Choose the portion of the sentence with the error.
17. Refer to above.



- 1) A very miserly
- 2) farmer who lived
- 3) with his wife
- 4) in the Jamaican islands
- 18. Refer to above.
 - 1) Mrs. Singh was
 - 2) emphasising
 - 3) on the importance
 - 4) of coming for class
- 19. Refer to above.
 - 1) The children
 - 2) in front
 - 3) has no
 - 4) shoes on

Directions for question 20 to 22:

In these questions, a word is given with its meaning. Choose the alternative that does NOT match with the given meaning.

- 20. Obtuse: unintelligent
 - 1) Developmentally disabled person
 - 2) An illogical argument
 - 3) A careless calculation
 - 4) An unreasonable demand
- 21. Querulous : peevish
 - 1) A child telling tales
 - 2) A person redressing at a consumer court
 - 3) An elite grumbling about a shabby reception
 - 4) A man unhappy with the state's policies
- 22. Synchronised: in harmony
 - 1) The human body
 - 2) A choreographer
 - 3) A live orchestra
 - 4) A flock of birds

Directions for question 23 to 25: Choose a word or phrase similar in meaning to the capitalised word.

- 23. IMPOSTURE
 - 1) Claim



2) Status

 Destruction Deception 			
24. PROBOSCIS			
1) Search			
2) Probe			
3) Snout			
4) Prove			
25. PARLEY			
1) Discuss			
2) Deliver			
3) Sweeten			
4) Race			
Directions for ques		noose the most approp	riate preposition to
26. The country is ush	ering a nev	v era.	
1) into	2) in	3) of	4) over
27. He is a traitor	the country.		
1) for	2) to	3) in	4) of
28. The event passed	without a	any untoward incident.	
1) of	2) on	3) off	4) away
Directions for ques			ternative words, the one
29. Predilection	incaring to the w	voia giveii.	
Antipathy			
2) Ignorance			
3) Dissonance			
4) Disharmony			
30. Docile			
1) Unmanageable	Э		
2) Dutiful			
3) Submissive			
4) Painful			
31. Equivocal			



1) Mistaken			
2) Quaint			
3) Clear			
4) Universal			
	questions, a related		wed by four pairs of words. ar to that expressed in the
32. OVATION : APPI	_AUSE : :		
1) Memory : ob	livion		
2) Route : defea	at		
3) Grief: loss			
4) Triumph : fai	lure		
33. TUESDAY : THU	RSDAY::		
1) Day : night			
2) Near : adjace	ent		
3) Winter : sprir	ng		
4) February : A	oril		
34. WIND : GALE : :			
1) Disaster : cal	amity		
2) Storm : sea			
3) Love : passion	on		
4) Disgust : infa	tuation		
underlined. Choo	se questions, a se se that word or phi	rase which would not	ords or phrases that are be appropriate in standard
written English.	/ ^ \ / / \ / \ / + /	(O) / (D) H	avhibition
35. He gave me a pa	ass (A) / so (B) / that	can (C) / visit (D) the	ZATIIDILIOTI.
	2) B	3) C	4) D
35. He gave me a <u>pa</u>	2) B		4) D
35. He gave me a <u>pa</u>	2) B	3) C	4) D
35. He gave me a <u>pa</u> 1) A 36. The <u>new</u> (A)/ <u>inne</u> 1) A	2) B ovations (B)/ in the (C	3) C 3) department <u>were</u> (D) 3) C	4) D successful.



(1), (2), (3) and (4) which will make the correct sentence.

38.	P: checked regularly Q: you should have R: blood pressure S: your			
	1) RSPQ	2) RQSP	3) QSRP	4) RSQP
39.	P: she Q: his phone number R: didn't know S: she claimed			
	1) SPRQ	2) QRPS	3) RSPQ	4) RPQS
40.	P: Indian Q: earn as much R: working women S: as men			
	1) QSRP	2) PRSQ	3) SRPQ	4) PRQS
		Section	n II	
		MATHEMATIC	AL SKILLS	
41.	In a group of 15 wom many of these have be	en, 7 have nose studs oth nose studs and ear		d 3 have neither. How
	1) 0	2) 2	3) 3	4) 7
42.	•	hair Cars. During one Class was booked to 9	journey, the train was	booked to 85% of its
43.	A person pays Rs. 97 the former by Rs. 5. entire amount be paid 1) 12 months 2) 26 months 3) 15 months 4) 18 months	The amount of the first		_

44. p% of a number P is q% more than r% of the number R. If the difference between P and R

is r% of R and if the sum of P and R is 210, then which of the following statements is



always true?

1) P = 110; R = 100

2) P = 220; R = 200

3) P = 3300; R = 3000

4) All of the abo	ove		
and is replaced v			id is drawn out of this vessel the water becomes 1 : 2, then
1) 8 litres			
2) 10 litres			
3) 12 litres			
4) 14 litres			
	solid cone having diar		cal height 51 cm is, if
1) 16.18 kg			
2) 17.25 kg			
3) 26.16 kg			
4) 71.40 kg			
can a random sa		awn from the bag so th	are blue. In how many ways nat at the most 2 red balls are same colour?
1) 105	2) 168	3) 189	4) 120
	ach and available for R		ng in 15% debentures of face kerage is 1%, then the sum of
1) Rs. 19642			
2) Rs. 10784			
3) Rs. 10504			
4) Rs. 15000			
for Rs. 3150. Fir	nd at what price he mu	ust sell the first grade	nd the rest are second grade, bicycles so that if he sells the y make a profit of 40% on his
1) Rs. 200			
2) Rs. 240			
3) Rs. 180			
4) Rs. 210			



51. The angles of elevation of an artificial satellite measured from two earth stations are 30°

and 40° respectively, if the distance between the earth stations is 4000 km, then the

50. If $\log_x a$, $a^{x/2}$ and $\log b x$ are in GP, then x is

2) $log_a (log_e a) + log_a (log_e b)$

4) log_a (log_e b) - log_a (log_e a)

1) log_a (log_b a)

3) - log_a (log_a b)

height of the satellite is

1) 2000 km

2) 6000 km

3) 3464 km

4) 2828 km

52.	By selling 33 metres of percent is	cloth, a shopkeeper ga	ains the price of 11 met	res of cloth. His gain
	1) 7%	2) 50%	3) 20%	4) 22%
53.	A cricket team of 11 p wicket keepers. The n bowlers and 2 wicket ke 1) 20790 2) 6930 3) 10790 4) 360	umber of ways in whi		
54.	Sanjay borrowed a cerlent this sum to Ram period. At the end of to 4000 only as simple into 1) 15%	at the same rate of i wo years, he received	nterest compounded a Rs. 4200 as compound	annually for the same
55.	A man in a train notice known to be 50 metres 1) 57 km/h 2) 60 km/h 3) 63 km/h 4) 55 km/h			
56.	A racecourse is 400 metres. If A and D run 1) A, by 8.4 metres	and B wins by 4 met	res. C and D run ove	r it and D wins by 16



57. A track is in the form of a ring whose inner circumference is 352 m and the outer

58. At a dinner party, every two guests used a dish of rice between them. Every three guests

used a dish of daal and every four used a dish of meat between them. There were

2) 14 m 3) 22 m 4) 7 m

2) D, by 8.4 metres

3) D, by 7.2 metres

4) A, by 7.2 metres

1) 44 m

circumference is 396 m. The width of the track is

altogether 65 dishes. How many guests were present?

	1) 75	2) 59	3) 60	4) 65
59.	In an examination paper required to attempt 5 many ways can 5 quest 1) 24 2) 48 3) 96 4) None of these	questions but not mor		
60.	In the first 10 overs of rate in the remaining 40			/hat should be the run
	1) 6.25	2) 6.50	3) 6.75	4) 7.00
61.	The average (arithmetic and z? 1) 16(2/3) 2) 30 3) 25 4) 17(1/2)	c mean) of x and y is 4	0. If z = 10, then what	is the average of x, y
62.	If a solid sphere of radii the surface area of each 1) 60 π cm ² 2) π/50 π cm ² 3) 75 π cm ² 4) π/100 π cm ²		ito 8 spherical solid ba	Is of equal radius then
63.	If 7% of the sale price price exceeds 10% of it 1) Rs. 400 2) Rs. 350			



3) Rs. 300

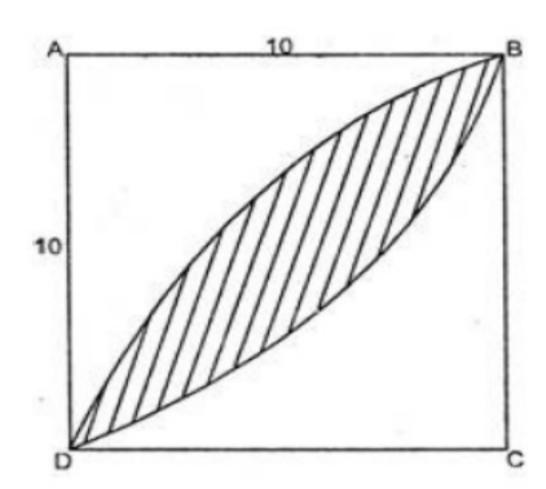
	4) Rs. 280			
64.	Two passengers board As per the excess lugg pay Rs. 3.75 and Rs. 6 if the same luggage we have been Rs. 13.50. I	gage policy of the flight 6.00 for the excess weighter ere to belong to just on	operator, the two pass ght of their luggage. La e person, then the exc	sengers were made to ter they found out that ess luggage fee would
	1) 8 kg			
	2) 9 kg			
	3) 6.5 kg			
	4) 7.5 kg			
65.	A person wishes to ma wire for fencing, he fe The width of the garde	nces only three sides		
	1) 10 m	2) 5 m	3) 50 m	4) 100 m
	A daily wage worker was absent for 4 days salary only for 18 day given only half the saworker who came on ti 1) Rs. 2400 2) Rs. 3000 3) Rs. 2700 4) Rs. 2250	s and was fined Rs. 18 s as he came late on lary for that day. Wha me every day and was	the other days. Those at was the total salary never absent?	. He was paid the full who came late were
67.	The number of rectang	les that you can find o	n a chessboard is	
	1) 1764	2) 1600	3) 1825	4) 1296
68.	A car driver travels fraverage speed of 40 kspeed of 20 km/h. The 1) 16.56 km/h 2) 17.89 km/h 3) 26.67 km/h 4) 35 km/h	m/h. In the return trip,	he covers the same d	istance at an average
69.	The area of a square in	ncreases by	if its side increases by	30%
	1) 71%	2) 60%	3) 69%	4) 30%
70.	The monthly incomes	of two persons are	in the ratio of 4:	5 and their monthly

expenditures are in the ratio of 7:9. If each saves Rs. 50 a month, then what are their



monthly incomes	5?		
1) Rs. 100, Rs.	125		
2) Rs. 200, Rs.	250		
3) Rs. 300, Rs.	375		
4) Rs. 400, Rs.	500		
_		vill be twice of C's age o, then the present age o	after 10 years. If C's eigh of A must be
1) 5 years			
2) 10 years			
3) 15 years			
4) 20 years			
			a product. The retailer offertions are equal to a sing
1) 50%	2) 44%	3) 46%	4) 40%
admits 2.25 toni pumps can thro	nes of water in 5.5 mir	nutes. 92 tonnes will su tonnes an hour. Find t	e. It was found that the le ffice to sink the ship. But the he average rate of sailing
74. Suppose six coir	ns are flipped. Then th	e probability of getting a	at least one tail is
1) (71/72)			
2) (53/54)			
3) (63/64)			
4) (1/12)			





- 1) $100-50\pi$
- 2) $100-25\pi$
- 3) $50\pi 100$
- 4) 25π-100
- 76. Three boys and three girls are to be seated around a table in a circle. Among them the boy X does not want any girl neighbour and the girl Y does not want any boy neighbour. How many such arrangements are possible?
 - 1)5

2) 6

3) 4

- 4) 2
- 77. We have an angle of 2(1°/2). How big will it look through a glass that magnifies things three times?
 - 1) 2(1°/2) × 4
 - 2) $2(1^{\circ}/2) \times 3$
 - 3) $2(1^{\circ}/2) \times 2$
 - 4) None of these
- 78. A circular running path is 726 metres in circumference. Two men start from the same point and walk in opposite directions @ 3.75 km/h and 4.5 km/h respectively. When will they meet for the first time?
 - 1) 5.5 minutes
 - 2) 6.0 minutes
 - 3) 5.28 minutes
 - 4) 4.9 minutes
- 79. How many ml of water must be added to 48 ml of alcohol to make a solution that contains 25% alcohol?
 - 1) 48
- 2) 64
- 3) 144
- 4) 192
- 80. When a bus started from the first stop, the number of male passengers to the number of female passengers was 3:1. At the first stop, 16 passengers got down and 6 more female passengers got in. The ratio of the male to female passengers now became 2:1. What was the total number of passengers in the bus when it started from the first stop?



1) 64

2) 48

3) 54

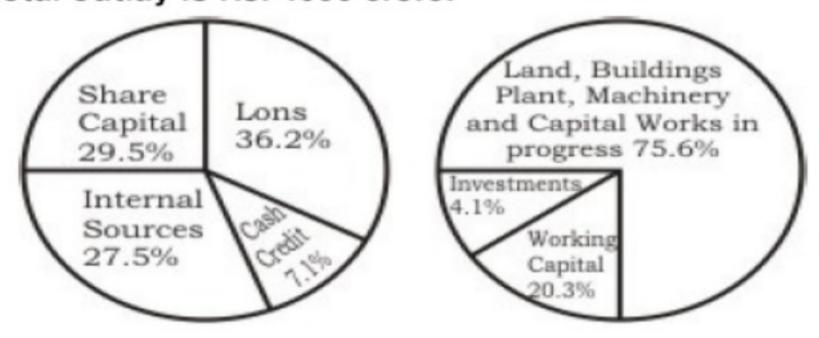
4) 72

Section III

DATA ANALYSIS AND SUFFICIENCY

Directions for question 81 to 85:

The diagram below depicts the sources and uses of funds in a Public Sector Enterprise. The total outlay is Rs. 4000 crore.



81. If working capital has to be managed out of the loan funds, then what percentage (approximately) of loan funds should be set apart for this purpose?

1) 25%

2) 40%

3) 55%

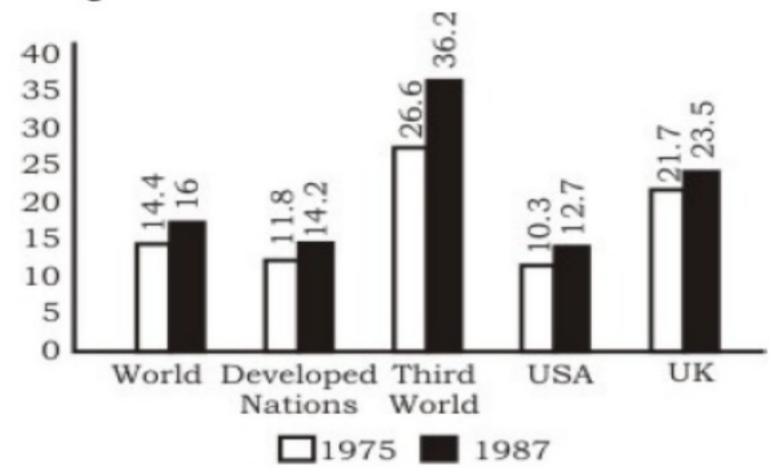
4) 70%

- 82. The total amount which has been used for buying land, machinery, setting plants and capital works is approximately Rs.
 - 1) 2000 crore
 - 2) 3000 crore
 - 3) 3500 crore
 - 4) 3800 crore
- 83. The total cash credits acquired by the company are approximately Rs
 - 1) 200 crore
 - 2) 240 crore
 - 3) 270 crore
 - 4) 285 crore
- 84. The company is in need of more working capital. How much capital it can acquire by redeeming its investments?
 - 1) Rs. 144 crore
 - 2) Rs. 152 crore
 - 3) Rs. 164 crore
 - 4) Rs. 184 crore
- 85. If the company were to manage its total working capital from internal resources alone, then how much fund from this resource will still be left for other use?
 - 1) Rs. 288 crore
 - 2) Rs. 312 crore



- 3) Rs. 344 crore
- 4) Rs. 432 erore

Directions for question 86 to 89: The following bar graph depicts the annual rates of Inflation in percentages for 1975 and 1987.



- 86. From 1975 to 1987, inflation rate increased in the third world countries approximately by
 - 1) 10%
- 2) 20%
- 3) 30%
- 4) 35%
- 87. In the year 1975, the lowest rate of inflation was in the
 - 1) Developed Nations
 - 2) UK
 - 3) USA
 - 4) Third World
- 88. In the year 1987, the inflation rate in the third world countries vis-a-vis the whole world jumped approximately by
 - 1) 50%
- 2) 100%
- 3) 125%
- 4) 200%
- 89. Comparing the figures for the USA vis-a-vis the developed nations, it can be concluded that
 - 1) USA had better control on inflation
 - 2) Developed nations had better control on inflation
 - The control on inflation rate continues to be the same for the USA and for the developed nations
 - 4) No conclusion can be drawn

Directions for question 90 to 93: Refer the table given below to answer these questions.

PRODUCTION AND CONSUMPTION OF CEMENT

	Production	Per Capita
Country	(in million	Consumption
	tonnes)	(in kg)

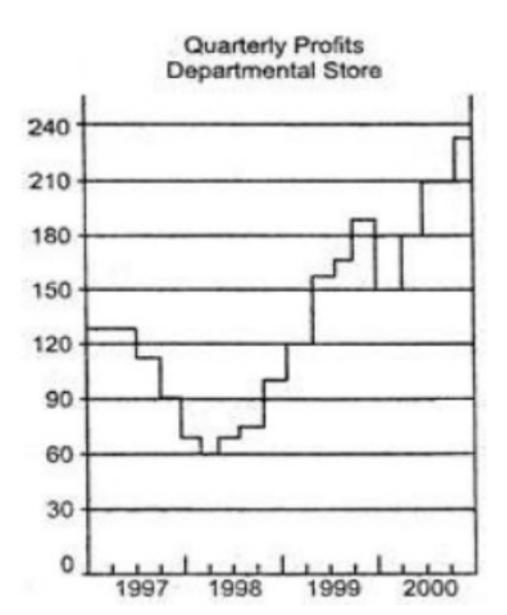


	1978	1979	1978	1979
Japan	84.89	87.80	689	631
Italy	38.32	39.72	656	582
USSR	129.28	123.01	483	388
West Germany	33.50	35.47	520	482
France	29.06	28.89	506	447
India	19.56	18.26	32	25

- 90. In 1979, the maximum reduction in per capita consumption of cement took place in
 - 1) USSR
 - 2) Italy
 - 3) Japan
 - 4) India
- 91. In 1979, USSR produced more cement than, the combined total of four other countries excluding
 - 1) India
 - 2) Japan
 - 3) Italy
 - 4) France
- 92. The adverse effect of decline in the consumption of cement in 1979 in comparison to 1978, is likely to be more in
 - 1) USSR
 - 2) Italy
 - 3) France
 - 4) India
- 93. In 1978, ____ had 15 times more per capita cement consumption than that in India.
 - 1) France
 - 2) West Germany
 - 3) USSR
 - 4) Japan

Directions for question 94 to 98: Refer the graph below to answer these questions:





- 94. Approximately, what was the actual profit made by the Department Store in the second quarter of 1999?
 - 1) Rs. 160 lakh
 - 2) Rs. 170 lakh
 - 3) Rs. 180 lakh
 - 4) Rs. 210 lakh
- 95. In which of the following quarters, did the Departmental Store make the least amount of profits?
 - 1) Third quarter of 2000
 - 2) Second quarter of 1999
 - 3) First quarter of 1999
 - 4) Third quarter of 1998
- 96. During the period 1998-2000, how many quarters exceeded the profit of Rs. 150 lakh?
 - 1)6

2) 5

3) 4

- 4) 3
- 97. In the year 2000, total profit made by the Departmental Store was approximately
 - 1) Rs. 540 lakh
 - 2) Rs. 630 lakh
 - 3) Rs. 720 lakh
 - 4) Rs. 770 lakh
- 98. The total annual profit made by the Departmental Store increased by approximately what percent from 1997 to 2000?
 - 1) 40%
- 2) 50%
- 3) 90%
- 4) 120%

Directions for question 99 to 102:

Study the table given below to answer these questions.



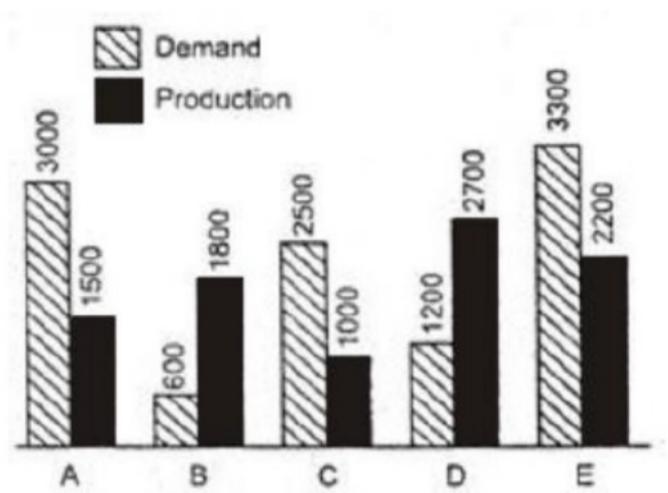
NHPC has undertaken massive afforestation, which is an effective tool in arresting sail erosion and enrichment of environment. The details are as under

SI. No.	the project	Forest Area involved (in ha)	Area afforested (in ha)	No. of trees affected	No. of trees planed
1.	Chanera-I (HP)	982.50	2000	40,000	39,81,186
2.	Dulhasti (J&K)	1.1	18	700	7,85,673
3.	Rangit (Sikkim)	34.60	38	5,000	3,32,000
4.	Tanakpur (Uttaranchal)	293.35	350.00	17,368	6,66,165
5.	Uri (J&K)	54.71	62.70	4,000	3,21,000
6.	Dhauliganga-I (Uttaranchal)	138.60	140.73	1,517	2,87,887
7.	Chamera-II (H.P.)	78.78	172.58	1,380	2,30,000
			Total	69,965	66,03,911

- 99. The maximum number of trees has been affected by the project
 - 1) Chamera-II (HP)
 - 2) Tanakpur
 - 3) Uri (J&K)
 - 4) Chamera-I (HP)
- 100. Out of the given projects, the minimum forest area involved has been in respect of
 - 1) Dulhasti (J & K)
 - 2) Uri (J & K)
 - 3) Rangit (Sikkim)
 - 4) Chamera-II (HP)
- 101. Assuring that the trees have been planted on more or less even distribution, the density of the trees planted has been maximum in the case of
 - 1) Chamera-1 (HP)
 - 2) Dulhasti (J & K)
 - 3) Rangit (Sikkim)
 - 4) None of the above
- 102. Out of the given projects, maximum forest area involved is in the State of
 - 1) Himachal Pradesh
 - 2) Jammu & Kashmir
 - 3) Sikkim
 - 4) Uttranchal



Directions for question 103 to 107: Study the following graph carefully to answer these questions given below it.



- 103. What is the ratio of the companies having more demand than production to those having more production than demand?
 - 1) 2:3
 - 2) 4:1
 - 3) 2:2
 - 4) 3:2
- 104. What is the difference between the average demand and the average production of the five companies taken together?
 - 1) 1400
- 2) 400
- 3) 280
- 4) 138
- 105. The production of company D is how many times to that of the production of the company A?
 - 1) 1.8
- 2) 1.5
- 3) 2.5
- 4) 1.11
- 106. The demand for company B is approximately what percent of the demand for company C?
 - 1) 4

- 2) 24
- 3) 20
- 4) 60
- 107. If company A desires to meet the demand by purchasing TV. sets from a single company, then which one of the following companies can meet the need adequately?
 - 1) B

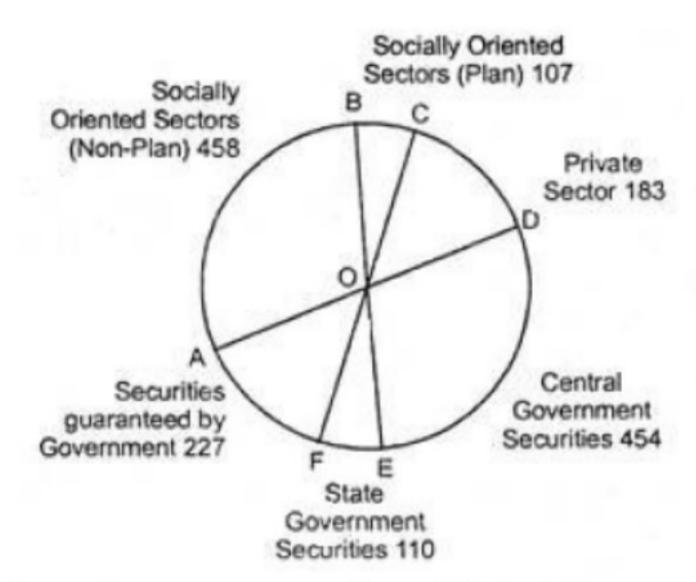
2) C

- 3) D
- 4) None of these

Directions for question 108 to 112:

The gross investments of Life Insurance Corporation of India (in crore of rupees) in different sectors are shown in the Pie Chart given below:





On the basis of this information answer questions 108 to 112:

108. The percentage of gross investments in State Government Securities is nearly

- 1) 7.1%
- 2) 7.8%
- 3) 8.6%
- 4) 9.2%

109. The magnitude of the acute ∠BOC is nearly

- 1) 25°
- 2) 40°
- 3) 50°
- 4) 60°

110. The investment in socially-oriented sectors (Plan and Non-Plan) is than the investment in Government Securities (Central and State) by _____

- 1) more, 4 crore
- 2) more, 1 crore
- 3) more, 1 1 1 crore
- 4) less, 106 crore

111. The investment in private sector is nearly _____ percent higher than the investment in State Government Securities.

- 1) 66
- 2) 54
- 3) 46
- 4) 40

112. The ratio of the area of the sector CDEF to the area of the sector CBAF is nearly

1) 1

- 2) 0.75
- 3) 0.50
- 4) 0.25

Directions for question 113 to 115:

Study the following graph, showing the sales forecast for the next ten weeks, to answer these questions.





113.	If the forecasted	demand is m	et by	having	uniform	production	during	the	weeks	at	an
	average level, their	n the number	of we	eks dur	ing which	n demand w	ill not b	e me	et is		
	1) 2	2) 3			3) 4		4) N	lone	of thes	se	

- 114. If the production is uniform, then what should be the minimum capacity of the storage space to store the units in excess of demand?
 - 1) 25
- 2) 50
- 3) 100
- 4) 200
- 115. If the maximum production capacity is 300 units, then the unmet demand will be
 - 1) 225
 - 2) 275
 - 3) 175
 - 4) All the demand will be met

Directions for question 116 to 120 : Each question is followed by two statements 'A' and 'B'. Mark your answer as

- (1) If the Question can be answered with the help of statement 'A' alone.
- (2) If the Question can be answered with the help of statement 'B' alone.
- (3) If the Question can be answered with the help of both the statements together but not with the help of either statement alone.
- (4) If the Question cannot be answered even with the help of both the statements taken together or separately.
- 116. How far is it from town A to town B? Town C is 15 km west of town A.
 - A. It is 10 km from town B to town C.
 - B. There is a canal between town A and town B.
 - 1) 1

2) 2

3) 3

- 4) 4
- 117. How many people in town K read neither Times of India nor the Indian Express?
 - A. Of the 2500 people in town K, 1000 read no newspaper.
 - B. Of the people in town K, 700 read the Times of India only and 600 read the Indian Express only.
 - 1) 1

2) 2

3) 3

4) 4

f



118. What is the total number of trips to a certain construction site made by the two trucks

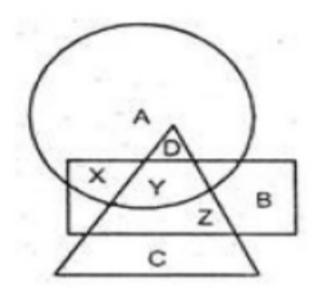
	truck carried 8 metric	tons of gravel? carried 5 metric tons o tons of gravel on each s the same total amoun	trip to the site.	the site and the larger
	1) 1	2) 2	3) 3	4) 4
119.	A. John's highest sco	score of 85 in three tes ore was 95. hn's two highest scores		's lowest score?
	1) 1	2) 2	3) 3	4) 4
120.	B. Playground P is so	ctangular in shape and quare in shape and has	a side with length of 12	
	1) 1	2) 2	3) 3	4) 4
		Section	ı IV	
		INTELLIGENCE CRITI	CAL REASONING	
 	sales he generates. Alembic Co. will take of Bell Corp. will take three Champion Shops Inc. v	is sales calls for the le basis of the number one hour and will prove hours and will result will take one hour and your from one to three hours	er of calls he makes obably result in an orde in an order of 20 boxes rield an order of 10 box	er of 5 boxes. or nothing.
121.		mentioned above, wha o sell in a seven hour w	•	er of boxes that Mehta
	1) 65	2) 60	3) 45	4) 35
122.		nditions, what is the n sell in eight working ho		oxes that Mehta can
	1) none	2) 15	3) 20	4) 35
123.	repaired only at 2 PM	ooxes to Des Raj Bro sales figure for the day	79 44	
	1) 35	2) 40	3) 45	4) 55
124.	is his best schedule for	eakable thirty minutes le or a 9 AM to 5 PM day? opion, then Bell and Des		t 1:30 PM, then what
	., , action and chair	pion, anon bon and boo		



- 2) Bell Corp and Alembic, then Champion and if time permits, then Des Raj Bros.
- 3) Bell and Champion, then Des Raj Bros and if time permits, then Alembic.
- 4) Champion, Bell Corp., Alembic and Des Raj Bros.
- 125. If Mehta is sick and has to carry all his calls over to the next day, when he must visit another company Escorts from 10.30 AM to 1.30 PM, then what should be his best schedule for the day from 9 AM to 5 PM?
 - 1) Champion, Escorts, Des Raj and if time permits, Alembic
 - 2) Champion, Escorts, Alembic and if time permits, Des Raja Bros
 - 3) Bell, Escorts, Des Raj Bros, and if time permits, Champion
 - 4) Alembic, Escorts, Des Raj Bros and if time permits, Champion

Directions for question 126 to 130:

In the diagram given below, the circle represents Professors in a Medical College, the triangle stands for Surgical Specialists while the rectangle represents the Medical Specialists:



127. Surgical	specialists	who	are	also	medical	specialists	but	not	professors	are	represented
by											

1) X

1) Y

2) Y

2) C

126. Professors who are also surgical specialists are represented by

3) Z

3) D

4) B

4) X

128. College professors who are also medical specialists are represented by

- 1) Y
- 2) X
- 3) Z
- 4) A

- 129. 'B' represents
 - 1) Professors who are not medical specialists
 - 2) Professors who are not surgical specialists
 - 3) Professors who are neither medical specialists nor surgical specialists
 - 4) Medical specialists who are neither professors nor surgical specialists
- 130. 'C' represents
 - 1) Professors
 - 2) Medical Specialists
 - 3) Surgical Specialists



4) Medical and Surgical Specialists

Directions for question 131 to 135:

Answer these questions based on the following paragraph:

Five golfers C, D, E, F and G play a series of matches in which the following are always true of the results. Either C is the last and G is the first or C is the first and G is the last. D finishes ahead of E. Every golfer plays in and finishes every match. There are no ties in any match, i.e. no two players ever finish in the same position in a match.

- 131. If exactly 1 golfer finishes between C and D, then which of the following must be true?
 - 1) C finishes first
 - 2) G finishes first
 - 3) F finishes third
 - 4) E finishes fourth
- 132. Which of the following CANNOT be true?
 - 1) E finishes second
 - 2) F finishes second
 - 3) F finishes ahead of F
 - 4) F finishes ahead of D
- 133. If D finishes third, then which of the following must be true?
 - 1) G finishes first
 - 2) E Finishes ahead of F
 - 3) F finishes ahead of E
 - 4) F finishes behind D
- 134. If C Finishes first, then in how many different orders is it possible for the other golfers to finish?
 - 1) 1

2) 2

3)3

- 4) 4
- 135. Which of the following additional conditions make it certain that F finishes second?
 - 1) C Finishes ahead of D
 - 2) D finishes ahead of F
 - 3) F finishes ahead of D
 - 4) D finishes behind G

Directions for question 136 to 140:

Two statements are given followed by two conclusions I and II. Take the statement to be true and then decide which of the conclusions logically follows. Mark your answer as

- (1) If only conclusion I follows
- (2) If only conclusion II follows
- (3) If either conclusion I or II follows and
- (4) If neither conclusion I nor II follows



136. Statement:

Of the ten fishermen caught in a storm, nine managed to return to the shore. Praveen has not yet returned after four days.

Conclusions:

- I. Praveen got killed in the storm.
- II. Praveen has survived the storm.
- 1) 1

2) 2

3) 3

4) 4

137. Statement:

Now you don't need an import licence to own a VCR.

Conclusions:

- VCRs are now manufactured indigenously.
- VCRs are now freely permitted to be imported.
- 1) 1

2) 2

3)3

4) 4

138. Statement:

Just about everyone in Germany has been on a diet at one time or the other and millions of them have learned that the weight they lose is all too easily regained. Still despite their frustration, few question the wisdom of dieting.

Conclusions:

- Germans should stop dieting.
- II. Germans do not learn from experience.
- 1) 1

2) 2

3)3

4) 4

139. Statement:

A study of Planning Commission reveals boom in revenues. However, this has been of little avail owing to soaring expenditure. In the event, there has been a high dose of deficit financing, leading a marked rise in prices. Large financial outlays year after year had little impact on the level of living.

Conclusions:

- I. A boom in revenues leads to rise in prices.
- II. Large financial outlays should be avoided.
- 1) 1

2) 2

3) 3

4) 4

140. Statement:

The average number of students per teacher is 50 in the urban areas whereas it is 60 in rural areas. The national average is 55.

Conclusions:

- I. The student-teacher ratio in the rural areas is higher than in the urban areas.
- II. More students study with the same teacher in the rural areas as compared to those in the urban areas.
- 1) 1

2) 2

3) 3

4) 4

Directions for question 141 to 145: Read the following information carefully to answer these questions given below it.

There are six teachers A, B, C, D, E and F in a school. Each of the teachers teaches two



subjects, one compulsory subject and the other optional subject. D's optional subject is History while three others have it as compulsory subject. E and F have Physics as one of their subjects. F's compulsory subject is Mathematics which is an optional subject of both C and E. History and English are A's subjects but in terms of compulsory and optional subjects, they are reverse of those of D's. Chemistry is an optional subject of any one of them. There is only one female teacher in the school who has English as her compulsory subject.

5	subject.			
141.	What is C's compulsor	y subject?		
	1) History			
	2) Physics			
	3) Chemistry			
	4) English			
142.	Who is a female mem	per in the group?		
	1) A	2) B	3) C	4) D
143.	Who among the follow	ing has some compuls	ory and optional subject	cts as those of F's?
	1) D	2) B	3) A	4) C
144.	Disregarding which is two subjects combinat		h is the optional subje	ct, who has the same
	1) A	2) B	3) E	4) D
145.	Which of the following	groups of teachers has	s History as the compu	Isory subject?
	1) A, C and D			
	2) B, C and D			
	3) C and D			
	4) A, B and C			
ı	Directions for questio	n 146 to 148 :		
ı		1 metre. The distance	in such a way that the between the first two	
146.	What is the distance b	etween the first pole A	and the last pole G?	
	1) 40 m			
	2) 49 m			
	3) 45 m			
	4) None of these			
47.	If a monkey hops from	pole G to pole C, then	n how much distance di	id it cover?
	1) 26 m			
	2) 19 m			



3)	22 m
4)	None

4)	None	of	these

- 148. If the authorities decide to remove one pole and place the remaining on equal distances among the poles, then each set of two poles would be _____ metres apart.
 - 1) 8(1/2)
 - 2) 7(1/2)
 - 3) 9
 - 4) None of these

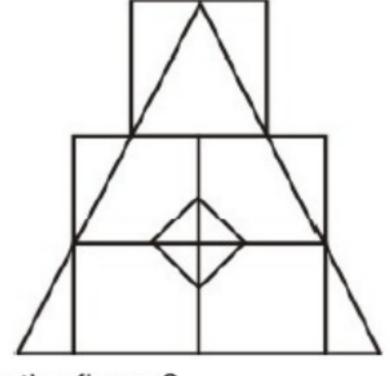
Directions for question 149 to 151:

In these questions, there are four groups of letters, words or numbers listed as (1), (2), (3) and (4). On of the groups does not belong to the same category as others. Find the odd one out.

- 149. Refer to above.
 - 1) BAT
- 2) RAT
- 3) EAT
- 4) FAT

- 150. Refer to above.
 - 1) 5183
 - 2) 33442
 - 3) 34424
 - 4) 25631
- 151. Refer to above.
 - 1) USTO
 - 2) OOTU
 - 3) TTOU
 - 4) SSTO

Directions for question 152 to 153: Study the following figure carefully to answer these questions.



- 152. How many squares are there in the figure?
 - 1) 5

2) 6

3) 7

4) 8

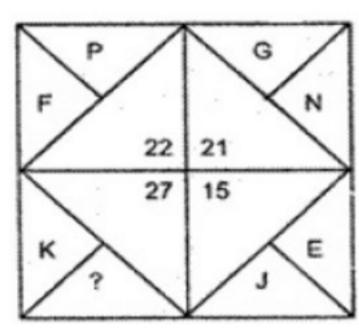


153. Count the number of triangles in the figure.

- 1) 10
- 2) 12
- 3) 17
- 4) 24

Directions for question 154 to 155: Find out the missing letter/number in place of '?'.

154.

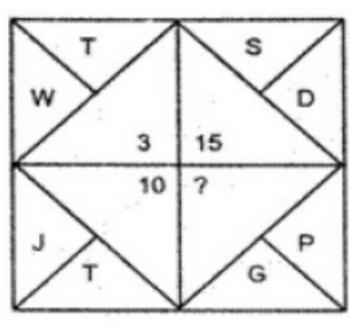


- 1) M
- 2) Q

3) P

4) S

155.

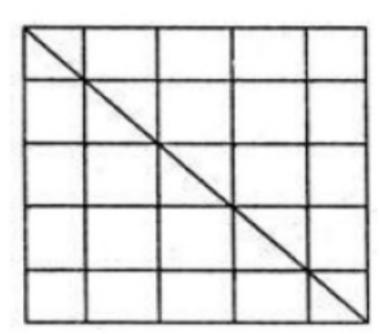


- 1) 11
- 2) 5

3) 9

4) 13

Directions for question 156 to 157: Use the figure given below to answer these questions.



156. What is the number of triangles in the figure?

- 1) 30
- 2) 27
- 3) 20
- 4) 15

157. What is the number of squares in the figure?

- 1) 60
- 2) 55
- 3) 50
- 4) 42

Directions for question 158 to 160:

If 'EFGHUK' is the coded letter representing 'VUTSRQP', then choose the right code for the words given in the capital letters from the answer choices (1), (2), (3) and (4):



158. GROUP 1) TILFK 2) TILEL 3) TILGH 4) TILHG			
159. ZERO 1) BUHN	2) AVIM	3) AVIL	4) AVTI
160. HIGH 1) STRS 2) SRTS 3) RSTR 4) RJHR			
	5	Section V	
	INDIAN GLO	BAL ENVIRONMENT	
161. Name India's large 1) Glaxo Smith Klir 2) Cipla 3) Ranbaxy 4) None of these 162. Who is currently the 1) Colin Powell	ne		ver of Rs. 1000 crore.
2) Tony Blair			
3) Kofi Annan			
None of these			
163. Under what brand 1) Bol-Anmol 2) Talk time 3) Baaten Anmol 4) Talky	name has MTNL st	arted internet telephor	ny to 168 countries?
164. Who is the Cabinet 1) Yashwant Sinha 2) Jaswant Singh 3) Anantha Kumar 4) None of these		ce in the NDA Governn	nent?

165. Name the renowned Indian space scientist who has been conferred the Officer of the



	Legion of Honour by to 1) A.P.J. Abdul Kalam 2) K. Subramaniyam 3) Dr. Seyed E. Hasna 4) K. Kasturirangan		ıt.	
166	How many countries (SAPTA)? 1) Three 2) Four 3) Six 4) Seven	s have signed the	SAARC Preferential	Trading Arrangement
167	ASEAN stands for 1) Academy of South-	East Asian Nations h-East African Nations	of the ASEAN was held	d in September 2002.
168	How many Union Terr	itories does India have	?	
	1) Six	2) Seven	3) Four	4) Five
169	Summit, 2002 in Johan I. To halve proportion II. To cut significantly 2010. III. To initiate strategic	nnesburg? n of people wilhout accepte the rate at which rare as to preserve resource are of world energy preserved.	ey points agreed at the cess to proper sanitation animals and plants are es for future generation oduced from renewable	n by 2015. e becoming extinct by as by 2005.

- 170. Name the country which is the second fastest growing spender in the world on Information Technology.
 - 1) France
 - 2) Switzerland
 - 3) Japan
 - 4) India
- 171. The Union Disinvestment Minister is



1) Yashwant S	inha		
2) George Fer			
3) Arun Shouri			
4) None of the			
172. How many cou	ntries are the member	s of SAARC?	
1) Four	2) Five	3) Six	4) Seven
173. In September water to be rele	•	er Authority (CRA) has	scaled down the quantum of
1) Tamil Nadu	to Karnataka		
Kornataka t	o Tamil Nadu		
Karnataka t	o Andhra Pradesh		
4) Tamil Nadu	to Kerala		
174. According to th	e census 2001, the de	nsity of population in Ir	ndia (per sq km) is
1) 304	2) 324	3) 344	4) 364
75. The present C	hief Minister of Jammu	& Kashmir belongs to	
1) National Co	nference		
2) People's De	mocratic Party		
Congress P	arty		
4) None of the	se		
76. The Vice-Presi	dent is the Chairman o	of the	
 Parliament 			
2) Lok Sabha			
Rajya Sabha	a		
4) All of the ab	ove		
	Bahadur Shastri Nation Sciences has been con		e in Public Administration and
1) Azim Hasha	m Premji		
2) N. R. Naray	ana Murthy		
3) Kumarmang	alam Birla		
4) Anil Ambani			
178. How many me	mbers of the Rajya Sal	oha retire every two ye	ars?
1) Half			
2) One-third			
3) One-fourth			
4) One-Fifth			



- 179. The Cabinet Committee on Economic Affairs (CCEA) has declared a bailout package for UTI. It includes
 - Splitting UTI into two UTI-1 and UTI-II.
 - II. UTI-II with an asset base of Rs. 17,784 crore would be brought under professional management.
 - III. Extension of a tax cover to investors holding upto 5000 US-64 units.
 - IV. UTI-11 will be privatised.
 - 1) I, II, III and IV
 - 2) I, II and III
 - 3) II and III
 - 4) III and IV
- 180. According to the UNCTAD's World Investment Report 2002, which country has been ranked as the best performing host economies for the FDI?
 - 1) China
 - 2) Angola
 - 3) Hong Kong
 - 4) India
- 181. Tokyo Marine & Fire Insurance is offering General Insurance of India using the ad tagline "The life you deserve" in association with
 - 1) IDBI
 - 2) HDFC
 - 3) SIDBI
 - 4) IFFCO
- 182. A.F. Ferguson was in the news for its recent audit survey report of a Tata Company and its subsequent withdrawl of the report. Name the Tata Company that was under scrutiny.
 - 1) TISCO
 - 2) Tata Tea
 - 3) Tata Finance
 - 4) Tata Investment Corporation
- 183. Which country is the latest entry into the United Nations?
 - 1) Eritrea
 - 2) Western Sahara
 - East Timor
 - 4) Albania
- 184. The 14th Asian Games were held in Busan during September-October 2002. Busan is in
 - 1) North Korea
 - 2) South Korea



- 3) Japan
- 4) Singapore
- 185. Which of the following is NOT a permanent member of the UN Security Council?
 - 1) Germany
 - 2) France
 - 3) Great Britain
 - 4) China
- 186. Who is the Chairperson of the Planning Commission?
 - 1) The Vice-President
 - 2) The Prime Minister
 - 3) The Finance Minister
 - 4) The Home Minister
- 187. Which bank has introduced a wireless applience that uses SMS to authorised credit and transactions?
 - 1) UTI Bank
 - 2) Citi Bank
 - 3) ABN Amro
 - 4) ICICI Bank
- 188. The Kyoto Protocol of 1997 is related to
 - 1) Asian Trade Development
 - 2) International Cyber Crime
 - 3) International Drug Trafficking
 - 4) Globai Climate Change
- 189. The dropping of the demand for a separate State by the LTTE during the talks with the Sri Lankan Government is a favourable development for the resolution of the ethnic conflict. LTTE stands for
 - 1) Liberation Tigers of Tamil Eelam
 - 2) Lankan Tigers for Tamil Eelam
 - 3) Lankan Troops for Tamil Empire
 - 4) None of the above
- 190. Which organisation was the forerunner to the World Trade Organisation?
 - 1) The World Bank
 - 2) General Agreement on Tariff Trade (GATT)
 - 3) The United Nations Development Fund (UNDP)
 - 4) The League of Nations



- 191. Who among the following is the only Indian businessman to be listed in Fortune's list, of 40 billionaires under 40 years of age?
 - 1) Anil Ambani
 - 2) Kumarmangalam Birla
 - 3) Ratan Tata
 - 4) Mukesh Ambani
- 192. What is Zero Coupon Bond?
 - 1) Bond sold at the fraction of its face value
 - 2) Bond sold at the fraction of its cost price
 - 3) Bond issued for industrialists only
 - 4) None of the above
- 193. What is the percentage of growth projected by the International Monetary Fund (IMF) for India during the current financial year?
 - 1) 7.5 percent
 - 2) 6.2 percent
 - 3) 9.5 percent
 - 4) 5.5 percent
- 194. Which auto major launched the multi utility vehicle-Scorpio?
 - 1) TELCO
 - 2) FIAT
 - 3) Mahindra
 - 4) Toyota
- 195. Which state tourism department's motto is "God's own country"?
 - 1) Tamil Nadu
 - 2) Himachal Pradesh
 - Assam
 - 4) Kerala
- 196. According to NASSCOM, during the fiscal 2002-03, Indian software industry's exports will achieve a revenue of
 - 1) \$6.9 billion
 - 2) \$8.5 billion
 - 3) \$10.1 billion
 - 4) \$12.5 billion
- 197. Which mountain range does the Konkan railway pass through?
 - 1) western Ghats
 - 2) Eastern Ghats



- 3) Nilgiri Hills
- 4) Aravalis
- 198. The organisation arranging the India International Trade Fair (IITF) is
 - 1) ITDC
- 2) ITPO
- CII
- 4) FICCI
- 199. Which of the following is not among the nine Indian companies listed on NYSE?
 - 1) TCS
 - 2) Wipro Ltd.
 - 3) Dr. Reddy's Lab
 - 4) ICICI Bank
- 200. When the price of a substitute of a commodity X falls, then the demand for X
 - 1) Rises
 - 2) Falls
 - 3) Remains unchanged
 - 4) First rises and then falls

