

1. Arrange the following pairs in correct order

Language	Country
a. Flemish	1. Israel
b. Amhari	2. Ethiopia
c. Swahili	3. Belgium
d. Hebrew	4. East Africa

- (A) a2, b3, c4, d1 (B) a3, b2, c4, d1
 (C) a3, b2, c1, d4 (D) a1, b3, c4, d2

2. Which famous inventor ranks second in the number of patents registered ?

- (A) Thomas Alva Edison (B) James Watt
 (C) Albert Einstein (D) Edwin Land

3. At present, how many States have Legislative Councils ?

- (A) 7 (B) 6
 (C) 5 (D) 4

4. Raghavan committee is associated with :

- (A) Ragging in educational institutes (B) Godhra riots
 (C) Corruption in governance (D) Babri Masjid Demolition

5. The largest Airport in the world ?

- (A) Singapore Changi Airport (B) King Khalid (Riyadh Saudi Arab)
 (C) Kennedy Airport (D) Indira Gandhi International Airport

6. New name of "Burma" is :

- (A) Malabar (B) Myanmar
 (C) Kampuchea (D) Ivory coast

7. Nobel Prize was instituted in :

- (A) 1901 (B) 1905
 (C) 1946 (D) 1941

8. What is "Rosetta" ?

- (A) A nuclear capable missile (B) An European Robotic Spacecraft
 (C) A tornado (D) A US Spaceship

9. Who recently became the most successful Olympian of all times, by winning 8 gold medals :

- (A) Mark Spitz (B) Graham Thorpe
 (C) Michael Phelps (D) None

10. The smallest continent of earth is :

- (A) Europe (B) Australia
 (C) Antarctica (D) South America

11. Which industrial family owns the majority stake in the successful Hero group, a leader in the motor-cycle segment in the country in collaboration with Honda, Japan ?
- (A) Hinduja (B) Munjal
(C) Firodia (D) Singhania
12. Which company launched the first mobile phone operation in India ?
- (A) Bharti Airtel (B) Essar
(C) Max Touch (D) Modi Telstra
13. Who has been conferred with Forbes Lifetime achievement award by American business magazine, Forbes recently ?
- (A) Mukesh Ambani (B) Ratan Tata
(C) Lakshmi Nivas Mittal (D) Aziz Premji
14. Which of the following is called as "retail capital of India" :
- (A) New Delhi (B) Kolkata
(C) Chennai (D) Hyderabad
15. Which of the following mobile phone companies has teamed with social networking site MY SPACE to create an interactive music platform ?
- (A) Airtel (B) Reliance
(C) Vodafone (D) Idea
16. Economic growth is depicted by :
- (A) a shift in the production possibilities frontier outward
(B) a movement from inside the curve toward the curve
(C) a shift in the production possibilities frontier inward
(D) a movement along a production possibilities frontier toward capital goods
17. Sovereign Wealth Funds are in the news. What are they ?
- (A) A new fund of savings product launched this week by Northern Rock
(B) State-run investment funds from Asia and the Middle East
(C) The money and property assets owned by the British royal family
(D) Black market investors
18. Who, according to Interbrand, has been named the UK's most prestigious brand ?
- (A) Guinness (B) BBC
(C) Google (D) Virgin Media
19. Raising taxes and increasing welfare payments :
- (A) reduces market power (B) proves that there is such a thing as a free lunch
(C) improves efficiency at the expense of equity (D) improves equity at the expense of efficiency

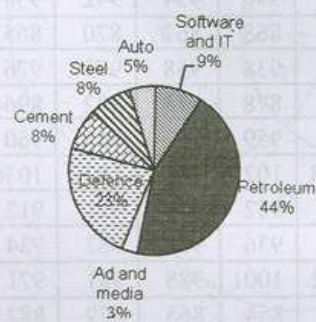
20. Which of the following goods or services would not be provided by a pure free-market economy ?

- (A) Public transport system
- (B) Pensions
- (C) National Defense
- (D) Education

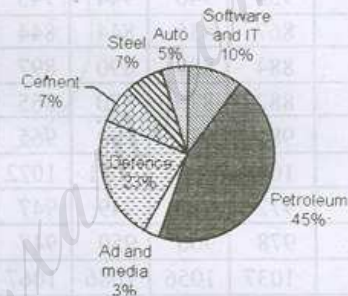
For answering the questions 21-26, use the information provided in the two pie charts given below.

The total contribution to the GDP by the seven sectors mentioned in the pie charts in the year 2000 was Rs. 2,89,640 crores and Rs. 3,17,000 crores in the year 2001.

Contribution to GDP by industries in 2000



Contribution to GDP by industries in 2001



21. Which of the industry sectors witnessed the maximum rate of growth during the period 2000-2001 ?

- (A) Petroleum
- (B) Software and IT
- (C) Ad and media
- (D) Cement

22. Which of the sectors witnessed a negative growth during 2000-2001 ?

- (A) Auto
- (B) Defence
- (C) Steel
- (D) Petroleum

23. What was the rate of growth witnessed by Software and IT sector ?

- (A) 1%
- (B) 12%
- (C) 33%
- (D) 22%

24. The rate of growth shown by non-petroleum sectors during this period was

- (A) -4%
- (B) 4%
- (C) 7%
- (D) 12%

25. Between 2000 and 2001, which other industry witnessed a growth rate similar to that of the defence sector ?

- (A) Ad and media
- (B) Auto
- (C) Software and IT
- (D) A and B

26. The amount contributed by software and IT sector in 2000 was 180% of the amount contributed by

- (A) Steel in 2000
- (B) Auto in 2000
- (C) Ad and media in 2001
- (D) Defence in 2000

Directions for questions 27-29 : Answer the questions on the basis of following table :

Sex Ratio (No. of females per 1000 males) of selected States in India (1901-2001)

	1901	1911	1921	1931	1941	1951	1961	1971	1981	1991	2001
AP	985	992	993	987	980	986	981	977	975	972	978
Assam	919	915	896	874	875	868	869	896	910	923	932
Bihar	1061	1051	1020	995	1002	1000	1005	957	948	907	921
Goa	1091	1108	1120	1088	1084	1128	1066	981	975	967	960
Gujarat	954	946	944	945	941	952	940	934	942	934	921
Haryana	867	835	844	844	869	871	868	867	870	865	861
HP	884	889	890	897	890	912	938	958	973	976	970
J & K	882	876	870	865	869	873	878	878	892	896	900
Karnataka	983	981	969	965	960	966	959	957	963	960	964
Kerala	1004	1008	1011	1022	1027	1028	1022	1016	1032	1036	1058
MP	972	967	949	947	946	945	932	920	921	912	920
Maharashtra	978	966	950	947	949	941	936	930	937	934	922
Orissa	1037	1056	1086	1067	1053	1022	1001	988	981	971	972
Punjab	832	780	799	815	836	844	854	865	879	882	874
Rajasthan	905	908	896	907	906	921	908	911	919	910	922
Tamil Nadu	1044	1042	1029	1027	1012	1007	992	978	977	974	986
UP	938	916	908	903	907	998	907	876	882	876	898
W. Bengal	945	925	905	890	852	865	878	891	911	917	934
India	972	964	955	950	945	946	941	930	934	927	933

27. The following statements pertain to the number of States with Females out numbering males in a given census year. Which of these is not correct ?

- (A) The number never exceeded 5 in any census year
- (B) The number registered its sharpest decline in the year 1971
- (C) The number of consecutive censuses in which this number did not change, does not exceed 3
- (D) The number was never less than 4 prior to 1971 census

28. Two States that showed the highest increase in sex ratio over the period 1901-2001 are :

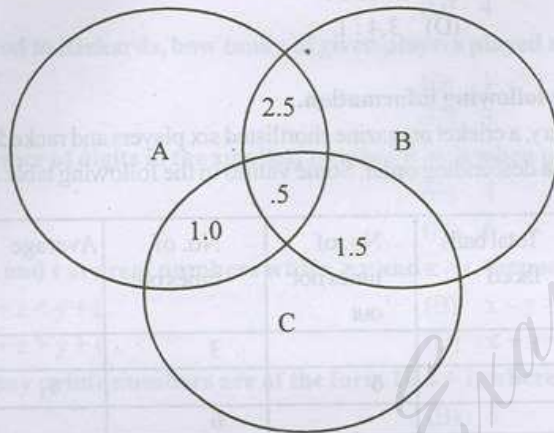
- (A) Punjab and HP
- (B) HP and Kerala
- (C) Assam and J&K
- (D) Kerala and Gujarat

29. Among the States which have a sex ratio more than 1000 in 1901, sharpest decline over the period 1901-2001 was registered in :

- (A) Goa
- (B) Tamil Nadu
- (C) Bihar
- (D) Orissa

DIRECTIONS FOR QUESTIONS 30-35 :

The diagram below gives the estimated readership of 3 daily newspapers in a city



The advertising cost and total readership for each paper is given in the following table :

Newspaper	Advertising Cost (Rs. Per sq. meter)	No. of Readers (in Lakhs)
A	6000	8.7
B	6500	9.1
C	5000	5.6

The total population of the city is estimated to be 14 million. The common readership (in lakhs) is indicated in the above Venn-Diagram.

30. The number of people (in lakhs) who read only one newspaper is :
- (A) 9.7
 - (B) 5.6
 - (C) 11.9
 - (D) 10.3
31. The number of people (in lakhs) who read at least one newspaper is :
- (A) 6.9
 - (B) 12.6
 - (C) 17.4
 - (D) 23.4
32. The combination of any two newspapers that gives the minimum advertising cost (in Rs. Per sq. cm.) per 1000 readers is :
- (A) A and B
 - (B) B and C
 - (C) A and C
 - (D) None of these

33. The approximate percentage of population reading at least two newspapers is :
(A) 6.9 (B) 12.6
(C) 3.9 (D) 3.4
34. The minimum expenditure (In Rs. Per sq. cm.) on advertising required to reach at least 12 lakh readers is :
(A) 11000 (B) 11500
(C) 12500 (D) 13000
35. The ratio of readers reading only one newspaper to those reading only two newspapers is :
(A) 2.38 : 1 (B) 3.65 : 1
(C) 4.57 : 1 (D) 3.4 : 1

Answer Questions 36-40 on the basis of the following information.

In a survey of best one day batsmen of the century, a cricket magazine shortlisted six players and ranked them on basis of seven parameters. The players are ranked in a descending order. Some values in the following table are missing.

Batsman	Total Innings played	Total runs scored	Total balls faced	No. of times not out	No. of times out	Average	Strike rate
Sachin	6		1		3		2
Richards		5		6		4	
Lara	2				6		3
Ponting		6	2	1		6	
Inzamam	4		6		4	2	4
Dravid		2	4	5			

In the above table, the person with rank 1 has the highest value and person with rank 6 has smallest value.

For a player,

Average = Total runs scored/ No. of times out

Strike Rate = Total runs scored/total balls faced

Total innings played = No. of times out + No. of times not out

Further these six players are allotted points. Player with highest average gets 12 points, with the second highest average gets 10, the third highest gets 8 and so on. Similarly the person with the highest strike rate gets 6, the second highest gets 5 and so on. The total points of a player are the points obtained for both the parameters combined.

36. Which player has the least no. of total points ?
(A) Richards (B) Ponting
(C) Inzamam (D) Lara

37. Which player has the highest no. of total points ?
(A) Richards (B) Ponting
(C) Inzamam (D) Lara
38. For how many parameters, did Sachin get rank 1 ?
(A) 1 (B) 2
(C) 3 (D) Cannot be determined
39. For how many parameters (out of seven), did Sachin get a better rank than Dravid ?
(A) 1 (B) 2
(C) 3 (D) 4
40. Compared to Richards, how many of given players played more innings but were out less no. of times ?
(A) 0 (B) 1
(C) 2 (D) 3
41. The number of digits in the smallest number which when multiplied by 7 yields all nines is :
(A) 3 (B) 4
(C) 5 (D) 6
42. If x, y, z and t are real numbers with $x > y$ and $z \geq t$, then which of the following is true ?
(A) $x + z < y + t$ (B) $x - y > y - z$
(C) $x + z > y + t$ (D) $x + z = y + t$
43. How many prime numbers are of the form $10n + 1$, where n is a whole number such that $1 \leq n < 10$?
(A) 2 (B) 3
(C) 4 (D) 5
44. The value of $11^2 + 12^2 + 13^2 + \dots + 20^2$ is :
(A) 2485 (B) 2870
(C) 3225 (D) 3850
45. If $\sqrt{18225} = 135$, then the value of $[\sqrt{18225} + \sqrt{182.25} + \sqrt{1.8225} + \sqrt{.018225}]$ is
(A) 1.49985 (B) 14.9985
(C) 149.985 (D) 1499.85
46. If $2^x = 3^y = 6^{-z}$, then $\left(\frac{1}{x} + \frac{1}{y} + \frac{1}{z}\right)$ is equal to :
(A) 0 (B) 1
(C) $\frac{3}{2}$ (D) $-\frac{1}{2}$
47. Let $f(x) = \frac{\alpha x}{x+1}$, $x \neq -1$; then for what value of α is $f(f(x)) = x$?
(A) $\sqrt{2}$ (B) $-\sqrt{2}$
(C) 1 (D) -1

48. If the binary operation $*$ on \mathbb{Z} is defined by $a * b = a^2 - b^2 + ab + 4$, then the value of $(2 * 3) * 4$ is :
- (A) -33 (B) 33
(C) 55 (D) -55
49. $4^{61} + 4^{62} + 4^{63} + 4^{64}$ is divisible by :
- (A) 11 (B) 10
(C) 3 (D) 13
50. The mean of $1, 2, 2^2, \dots, 2^{15}$ lies between :
- (A) 2^{10} and 2^{11} (B) 2^{11} and 2^{12}
(C) 2^8 and 2^9 (D) 2^{12} and 2^{13}
51. The minimum value of $f(x) = 3x^2 + 6x + 8, x \in \mathbb{R}$ is :
- (A) 8 (B) 5
(C) 3 (D) -1
52. The system of equations $x + y + z = 2, 3x - y + 2z = 6$ and $3x + y + z = -18$ has :
- (A) unique solution (B) no solution
(C) an infinite number of solutions (D) zero solution as the only solution
53. The number of all possible matrices of order 2×2 with each entry 0 or 1 are :
- (A) 16 (B) 32
(C) 4 (D) 8
54. 21 mango trees, 42 apple trees and 56 orange trees have to be planted in rows such that each row contains the same number of trees of one variety only. Minimum number of rows in which the above trees may be planted is :
- (A) 3 (B) 7
(C) 15 (D) 17
55. The value of a machine depreciates at the rate of 10% per annum. It was purchased 3 years ago. If its present value is Rs. 26389.80, the purchase price of the machine (in rupees), was :
- (A) 32,000 (B) 36,200
(C) 37,500 (D) 35,600
56. If 5 engines consume 6 metric tonnes of coal when each is running 9 hours a day, how much coal (in metric tonnes) will be needed for 8 engines, each running 10 hours a day, it being given that 3 engines of the former type consume as much as 4 engines of latter type ?
- (A) 8 (B) 25/8
(C) 6.48 (D) 77/9

57. If the letters of the word 'ATTRACTION' are written down at random, then the probability that all the T's occur together is :
- (A) 1/15 (B) 7/15
(C) 8/15 (D) 2/5
58. A bag contains 3 white, 3 black and 2 red balls. One by one, three balls are drawn without replacing them. The number of ways in which the third drawn ball is red are :
- (A) 12 (B) 24
(C) 60 (D) 84
59. Two integers are selected at random from integers 1 to 11. If the sum is even, the probability that both the integers are odd is :
- (A) 6/11 (B) 5/11
(C) 3/5 (D) 2/5
60. A random variable has the following probability distribution :
- | | | | | | | | | |
|------|---|----|----|----|----------------|-----------------|-----------------|----|
| x | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| p(x) | 0 | 2K | 2K | 3K | K ² | 2K ² | 7K ² | 2K |
- The value of K is :
- (A) 1/10 (B) -1
(C) -1/10 (D) 1
61. Dawn : Twilight :: _____ : _____
- (A) Night : Day (B) Nine : Ninety
(C) Prologue : Epilogue (D) Day : Evening
62. Premial : Medieval :: _____ : _____
- (A) Snow : Ice (B) Thorn : Rose
(C) Evolution : Revelation (D) Dinosaur : Dragon.
63. Pbs B: BsbP :: Zgm W : _____
- (A) Wmg W (B) Zgm W
(C) Wmg Z (D) Zzg Z
64. Adjacent : Objects :: _____ : _____
- (A) Modern : Times (B) Gradual : Degrees
(C) Contemporary : Events (D) Repetitive : Steps
65. Alchemist : Gold :: _____ : _____
- (A) Druggist : Chemistry (B) Computer : Cobol
(C) Abrasion : Oil (D) Insignia : Segregation
66. EFH : ILN :: _____ : _____
- (A) ILM : OPQ (B) EGH : IMN
(C) OPR : URT (D) OPQ : UBT

67. Select the word which is opposite the meaning to the word in capital letters : **POUNDED**
(A) Weighed (B) Released
(C) Paid (D) Caressed
68. Select the word which is most similar in meaning to the word in capital letters : **COUNTERVAILING**
(A) Argumentative (B) Compensating
(C) Crying (D) Complaining
69. In a certain code **DETAIL** is written as **BJMUFE**. How is **SUBMIT** written in that code ?
(A) UJWCVT (B) NJUCVT
(C) NJUTVC (D) UJNTVC
70. In a certain code **RUST** is written as **QVRU**. How is **LINE** written in that code ?
(A) KJMF (B) KJLI
(C) KMJF (D) KJME
71. **A G L P S ?**
(A) X (B) Y
(C) W (D) U
72. How many such pairs of letters are there in the word **WONDERS**, each of which has as many letters between its two letters as there are between them in the English Alphabet ?
(A) One (B) Two
(C) Three (D) Four
73. What is common in **Bauxite, Iron, Tungsten and Monazite** ?
(A) They are all chemicals (B) They are all metals.
(C) They are all minerals (D) None of the above
74. What is common in **Etymology, Lexicology and Philosophy** ?
(A) These terms are connected with science of languages
(B) They are sciences of teaching
(C) These terms are related with Philosophy
(D) All of the above.
75. His listeners enjoyed his _____ wit but his victims often _____ at its satire :
(A) butter—smarted (B) taut—smiled
(C) lugubrious—suffered (D) trenchant—wincd
76. _____ is the mark of the _____ :
(A) Trepidation—Coward (B) Thrift—Impoverished
(C) Vanity—Obsequious (D) Avarice—Philanthropist
77. Choose the most appropriate meaning of **CLOAK-AND-DAGGER** :
(A) Involving intrigue (B) To become very weak
(C) Family feud (D) Fond of hunting

78. X D W C _____ Y A

- (A) X Y
- (B) O P
- (C) Z B
- (D) C D

79. He is a _____ child and will not obey you :

- (A) Cardinal
- (B) Recalcitrant
- (C) Blithe
- (D) Impeded

80. Robe : _____ : : Shield : Community :

- (A) Priest
- (B) State
- (C) Hangman
- (D) Court

Read the passages and answer the questions that follow :

Choices frequently involve tension, which can be both creative and destructive. Try choosing between two equally attractive pairs of shoes. Choices are not simply a matter of right or wrong, but often a question of choosing between competing rights. For example, a trade union of postal workers chooses not to deliver what they see as racially charged political leaflets. Their choice, as part of their contractual rights, not to deliver the post, denies their legal obligations and customers' rights to receive the post. Most moral debates are about choosing between rival claims to rights and knowledge. Often these cannot be settled, so unless we choose to resort to force, we have to learn how to negotiate a way through so that all can live as we wish in company with others who want to do the same.

81. Which word can replace the word 'tension' in the passage ?

- (A) Traction
- (B) Worry
- (C) Strain
- (D) Friction

82. Tension can be both :

- (A) Right and wrong
- (B) Positive and negative
- (C) Unhelpful and constructive
- (D) Evil and good

83. Choices cannot be settled :

- (A) Rarely
- (B) Seldom
- (C) Mostly
- (D) Many times

84. If you don't resort to force then you can :

- (A) Learn to get out of making a choice
- (B) Learn to choose what all like-minded people want
- (C) Learn to choose what your group wants
- (D) Learn to choose what everybody wants

85. A choice is choosing between :

- (A) Right and wrong
- (B) Black and white
- (C) Competing rights
- (D) Compelling rights

86. The case of the trade union illustrates that :

- (A) Making a choice is simple
- (B) A choice involves rival claims
- (C) Force is required in exerting one's choice
- (D) A group can quickly make a choice.

Language is systematic communication through vocal symbols. Each language is essentially a code, that is, a group of symbols that can be structured to be meaningful to others. The English language, like any other language, is a code. It contains words that are arranged in a meaningful grammatical structure or order. Communication does not end with encoding or decoding a message. The word 'communicate' in Latin means 'exchange information'. The main objective of communication is to facilitate the exchange of thoughts and ideas in an effective and methodical way.

87. In the passage, the word 'essentially' can be replaced by :

- (A) Inherently
- (B) Usually
- (C) Normally
- (D) Mostly

88. Two words that are synonyms for 'encoding' and 'decoding' are :

- (A) Reading and writing
- (B) Unravel and untangle
- (C) Encrypt and decrypt
- (D) Translate and retranslate

89. 'Facilitate' in the passage means :

- (A) Impede
- (B) Accelerate
- (C) Confute
- (D) Enable

Flying saucer stories are perennially popular, but they tend to be disbelieved by the scientific community. Why? Not because a visitation from outer space is impossible or even wildly improbable. It is, because the alternative explanations of fraud or illusion are more probable. As a matter of fact, numerous flying saucer stories have been painstakingly investigated, in wearisome detail, by teams of conscientious amateur and professional scientists. Times after time after time the stories have crumbled under investigation. Often they turn out to be straightforward hoaxes or the 'saucers' turn out to have been aircraft, airships or balloons, seen or illuminated from a peculiar angle. Sometimes they are mirages or other tricks of the light, sometimes sightings of secret military aircraft.

90. 'Perennially popular' in the passage means :

- (A) Constantly in favour
- (B) Usually enjoyed
- (C) Mostly in favour
- (D) Normally common

91. 'Impossible' and 'Improbable'

- (A) Are toponyms
- (B) Are close in meaning
- (C) Are synonyms
- (D) Are homonyms

92. Another word for 'hoax' (as used in the passage) is :

- (A) Ruse
- (B) Rumour
- (C) Pretence
- (D) Swindle

93. 'Novice' and 'professional' are

- (A) Homophones
- (B) Antonyms
- (C) Homonyms
- (D) Synonyms

94. The scientific community believes that :

- (A) Flying saucers are a reality
- (B) Flying saucers do not exist
- (C) Flying saucers are not a probable reality
- (D) Flying saucers exist

Schizophrenia is often confused with multiple personality disorder yet is quite distinct from it. Schizophrenia is one of the more common mental disorders, considerably more common than multiple personality disorder. The term 'Schizophrenia' is composed of roots which mean, 'a splitting of the mind', but it does not refer to a division into separate and distinct personalities, as occurs in multiple personality disorder. Instead, schizophrenic behavior is generally characterized by illogical thought patterns and withdrawal from reality. Schizophrenics often live in a fantasy world where they hear voices that others cannot hear, often voices of famous people. Schizophrenics tend to withdraw from families and friends and communicate mainly with the 'voices' that they hear in their minds.

95. What is NOT true about Schizophrenia, according to the passage ?

- (A) It is characterized by separate and distinct personalities.
- (B) It often causes withdrawal from reality.
- (C) Its symptoms include illogical thought patterns
- (D) Its victims tend to hear voices in their minds.

96. Which of the following is true about Schizophrenia and multiple personality disorder ?

- (A) They are relatively similar.
- (B) One is a psychological disorder, while the other is not.
- (C) Many people mistake one for the other.
- (D) Multiple personality disorder occurs more often than Schizophrenia

97. According to the passage, how do Schizophrenics generally relate to their families ?

- (A) They are quite normal with their families.
- (B) They become remote from their families.
- (C) They have an enhanced ability to understand their families
- (D) They communicate openly with their families.

98. 'Disorder' in line 3 is closest in meaning to which of the following ?

- (A) Disruption
- (B) Untidiness
- (C) Misalignment
- (D) Disease

99. The passage is about Schizophrenia and its :

- (A) Symptoms
- (B) Patients
- (C) Description
- (D) Causes

100. Another term for 'fantasy' (as used in the passage) is :

- (A) Myth
- (B) Day dream
- (C) Delusion
- (D) Fancy