

SBI PROBATIONARY OFFICERS

MODEL PAPER

ENGLISH LANGUAGE

Directions (Q. 1-15) Read the following passage carefully and answer the questions given below it. Certain words/phrases have been printed in **bold** to help you locate them while answering some of the questions.

A few weeks ago, a newspaper article quoted a well known scientist saying, "IT has destroyed Indian science". One can **speculate** about the various ways in which the growth of the IT sector and other similar knowledge industries such as biotechnology has led to a decline in basic scientific research in India.

The most obvious reason is money; pay scales in IT and BT are much higher than one can aspire to in academia. The argument goes: why should a **bright** B. Tech. or M.Sc. student enroll in a Ph.D. programme when she can make a lot more money writing code? Not only does a **fresh** IT employee make a lot more than a fresh M.Tech. student, her pay will rise much faster in IT than in academia. A professor's pay at a government-run university^ even after the Sixth Pay Commission, tops out at far less than a senior executive's salary in a major industry.

Second, the social status of IT and BT jobs equal or even exceed the social status of corresponding academic positions, since they are seen as knowledge industries, which plays to the best and worst instincts of the societal order. As **quintessential** white collar professions, neither do they compel a successful entrepreneur to resort to violence and corruption, nor do they demand any physical labour. Unlike real estate or road construction, it is felt that IT workers can become rich while staying honest and sweat-free.

Assuming that the labour pool for academia and IT is roughly the same, the difference in our collective preferences biases the labour market towards IT and away from academia. Further, when the imbalance between IT and academia continues for years and even decades, a destructive loop, from academia's point of view, is created. When our best and brightest take IT jobs over academic ones for a decade or more, faculty positions in our universities and research centres are no longer filled by the best candidates.

As faculty quality goes down, so does the **capacity** to train top-class graduate students who, after all, are teachers in training. In response to decreasing faculty quality, even those students who would otherwise choose an academic profession, decide to join industry or go abroad for their studies. These foreign trained graduates prefer to come back to corporate India-if at all they do come back and the downward cycle replicates itself in each generation. In other words, academia is trapped within a perfect storm created by a combination of social and economic factors.

In this socio-economic calculus, the members of our societal classes should prefer an IT job to an academic one. Or, to put it another way, the knowledge economy, ie, the creation of knowledge for profit, trumps the knowledge society, ie, the creation of knowledge for its own sake or the sake of the greater good. As is said, "knowledge is power, but money is even more power." Perhaps the scientist was **alluding** to this victory of capitalism over the pursuit of pure knowledge when he accused IT of having a negative influence on Indian science.

Surely, knowledge has become a commodity like any other and as a result, knowledge workers are like any other labourers, who will sell their wares to the highest bidder. One solution is to accept and even encourage the commoditization of knowledge; if so, Indian universities and research centres should copy their western counterparts by becoming more and more like corporations. These centres of learning should convert themselves into engines of growth. In this logic, if we increase academic salaries and research grants to match IT paycheques we will attract good people into academia, where, in any case, it is rumoured that a certain **elusive** feeling called "the quality of life' is better.

1. According to the passage, what did the scientist actually mean when he said, "IT has destroyed Indian Science" ?
- (1) The centres meant for Scientific research are being utilized by IT industries
 - (2) The IT industry does not employ people pursuing higher studies
 - (3) As information is readily available on the internet because of IT, there is no need to seek further information
 - (4) IT has distorted the truth as stated by Indian science
 - (5) The desire for money has overshadowed the search for knowledge

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2. Which of the following is possibly the most appropriate title for the passage ?
 (1) Is the Future of IT Bright?
 (2) The IT Industry and the World Economy
 (3) Research and Academics-Losing the Battle Against IT
 (4) Scientific Research and the Need for Well-Trained Faculty
 (5) Information Technology and its Advantages
3. Why does the author say that knowledge has become a commodity ?
 (1) As it is no longer desirable in any professional field
 (2) As there are too many educational institutes in the country which do not provide quality education
 (3) As knowledge is now available easily as compared to the past
 (4) As knowledgeable people sell their services for the highest price possible
 (5) Like commodities knowledge too becomes stale after a certain period
4. What, according to the author, is a destructive loop ?
 (1) Many people quit their existing jobs to work in the IT industry which in turn leads to the downfall of the other industries
 (2) The fact that the best minds do not want to become teachers and this in turn leads to good students seeking knowledge elsewhere
 (3) The fact that people working in the IT industry do not pursue higher studies which in turn leads to the deterioration in quality of employees
 (4) The unending use of resources by the IT industry leading to a dearth of resources in the country
 (5) Less grants are being provided by the Government to academic institutes which in turn leads to poor quality students joining the same
5. Which of the following mentioned below is/are the author's suggestion/s to promote interest in Indian academia?
 (A) Research centres should adopt the corporate culture as is done in the West.
 (B) Lessening the number of research grants given.
 (C) Making academic salaries equivalent to those paid in IT industries.
 (1) Only(C) (2) Only (A) (3) Only (B) and (C) (4) Only (A) and (C) (5) None
6. Which of the following is **NOT TRUE** in the context of the passage ?
 (A) It is believed that the quality of life is better when pursuing scientific research.
 (B) People currently seek knowledge only for the greater good of the society.
 (C) Money is not perceived to be as powerful as knowledge.
 (1) Only (A) and (C) (2) Only (B) (3) Only (A) and (B)
 (4) Only (B) and (C) (5) All (A), (B) and (C)
7. Which of the following, according to the author, are factors responsible for the declining interest in scientific research ?
 (A) Slower progress of work in research.
 (B) Lesser monetary compensation in research related activities.
 (C) Societal perception towards research,
 (1) Only (A) (2) Only (C) (3) Only (B) and (C) (4) Only (A) and (B)
 (5) All (A), (B) and (C)
8. Which of the following is **true** about the perception towards IT jobs as given in the passage ?
 (A) They are physically tiring.
 (B) They are considered to be managerial level jobs.
 (C) They required usage of dishonest means.
 (1) Only(B) (2) Only (A) and (B) (3) Only (C)
 (4) Only (B) and (C) (5) All (A), (B) and (C) are true
- Directions (Q. 9-12)** Choose the word/group of words which is **most similar** in meaning to the word/group of words printed in **bold** as used in the passage.
9. **CAPACITY**
 (1) Qualification (2) Capability (3) Voltage (4) Quantity (5) Volume
10. **ALLUDING**
 (1) Referring (2) Breaking (3) Escaping (4) Imposing (5) Clinging
11. **SPECULATE**
 (1) Visit (2) Contemplate (3) Remark (4) Argue (5) Regulate
12. **QUINTESSENTIAL**
 (1) Typical (2) Different (3) Necessary (4) Unique (5) Excellent
- Directions (Q. 13-15)** Choose the word/group of words which is **most opposite** in meaning to the word/group of words printed in **bold** as used in the passage.
13. **BRIGHT**
 (1) Soft (2) Dark (3) Dull (4) Vivid (5) Dim
14. **ELUSIVE**
 (1) Definite (2) Happy (3) Mysterious (4) Worthwhile (5) Remarkable
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15. **FRESH**

- (1) Used (2) Stale (3) Tired (4) Experienced (5) Aged

Directions (Q. 16-20) Which of the phrases (1), (2), (3) and (4) given below each sentence should replace the word/phrase printed in **bold** in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, mark **(5)** as the answer.

16. The poor Brahmin led a **hand to mouthful existence** and could use any job which paid him a little.
(1) handful to mouthful existence (2) hand to mouth existence
(3) handing for mouthful existing (4) hand and mouth exist
(5) No correction required
17. In order to **earning decent living** we need to have a good job which pays a substantial amount of money.
(1) earned decency life (2) earning decency live
(3) earn a decent living (4) earned decently life
(5) No correction required
18. We went to the famous restaurant to eat and were **served piped hot** food.
(1) served piping hotter (2) serving pipe hot
(3) served piping hot (4) serve pipe hotten (5) No correction required
19. Akshay considered Suresh a complete **pain in the neck** as he kept asking baseless questions.
(1) paining in the neck (2) painless neck
(3) painful necks (4) pain in necking (5) No correction required
20. I **Jump through hoop** to finish this project in time but was not rewarded adequately.
(1) jumped through hoops (2) jumping for hooping
(3) jumped on hoop (4) jumping from hoop
(5) No correction required

Directions (Q. 21-25) Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank which best fits the meaning of the sentence as a whole.

21. Adding to a growing body of research.....cutting back on sweetened beverages it is now found that drinkingsugary drinks may help lower blood pressure.
(1) for, all (2) sustaining, increased
(3) against, lesser (4) behind, more (5) supporting, fewer
22. The blame game for the air tragedy is already in full..... with the authorities involved making attempts to..... for themselves.
(1) sway, defend (2) view, try (3) fledged, protect (4) swing, cover (5) roll, hide
23. The actress, wearing a dark gray suit and open necked shirt, sat the proceedings looking nervous throughout, occasionally frowning as her lawyer with the judge.
(1) through, spoke (2) on, argued
(3) for, addressed (4) with, discussed (5) along, lectured
24. It was an excellent social evening with people from allof life getting a chance to let their hair.....
(1) areas, drop (2) realms, flow (3) arena, undone (4) walks, down (5) types, loose
25. There can be no denying the fact that in sports, star coaches have the.....to get something extra out of their
(1) apprehension, work (2) ability, teams
(3) fear, member (4) capability, house (5) desirous, players

Directions (Q. 26-30) Rearrange the following six sentences (A), (B), (C), (D), (E) and (F) in the proper sequence to form a meaningful paragraph; then answer the questions given below them.

- (A) It is therefore, a contributing factor to the growth of landfills and waterway pollution, both of which are costly and energy intensive to solve.
(B) Making an effort to use those resources and avoid polystyrene ones can help to decrease your environmental impact.
(C) Non-biodegradable essentially means that any polystyrene that makes its way into a landfill will stay there indefinitely, never breaking down and returning to the earth.
(D) Polystyrene, as a product, is very convenient to use, but it has some important effects we should consider when making choices as consumers.
(E) While recycling polystyrene material can cushion the environmental blow of its use, alternatives are available that are created from renewable resources and biodegrade more readily.
(F) For example, while polystyrene has some excellent uses and is, technically, recyclable, it is not a substance that biodegrades.
26. Which of the following should be the **LAST (SIXTH)** sentence after rearrangement?
(1) A (2) B (3) C (4) D (5) E
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27. Which of the following should be the **FOURTH** sentence after rearrangement ?
 (1)E (2) F (3) A (4) D (5) B
28. Which of the following should be the **FIRST** sentence after rearrangement ?
 (1) A (2) B (3) C (4) D (5) E
29. Which of the following should be the **SECOND** sentence after rearrangement ?
 (1) B (2) C (3) D (4) E (5) F
30. Which of the following should be the **FIFTH** sentence after rearrangement ?
 (1) A (2) B (3) C (4) D (5) E

Directions (31-40): Read each sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. If there is no error, the answer is (5). (Ignore the errors of punctuation, if any.)

31. Meetings were held with unions (1) / to tackle indiscipline, (2) / and. with customers (3) / to understand its needs (4). No error (5)
32. The actual conduct of the test (1) / at each venue will be entrusted (2) /on the Officer-in-Charge (3) / who will be designated as test conductor (4). No error (5)
33. The list of candidates admitted (1) / to the test should be remain (2) / with the invigilator (3) / during the test (4). No error (5)
34. While the issue was no longer (1) / as serious as the demise or survival of the company, (2) / the ultimate fate of this national treasure (3) / was far off settled (4). No error (5)
35. At presently the global (1) / supply of wheat is (2) / the lowest it has been (3) / for the past fifty years (4). No error (5)
36. In the early days (1) /I would sit through meetings (2) / and frequently have no idea (3) / what a presenter was talking with (4). No error (5)
37. Recovery campaigns should be mounted (1) / not only to recover the dues, (2) / yet to create awareness among borrowers (3) / about the necessity of timely repayment (4). No error (5)
38. Where the default is wilful and deliberately (1) / legal steps should be taken promptly (2) / after obtaining approval (3) / from the appropriate authority (4). No error (5)
39. All,accounts enjoying (1) / fund based working capital limits of Rs. 10 lakhs and above (2)V should be reviewed (3) / at least once a year (4). No error (5)
40. This book may not be reproduced (1) / in whole or in part in any form (2) / without the written permission (3) / from the publishers (4). No error (5)

Directions (Q. 41-50) In the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, five words are suggested, one of which fits the blank appropriately. Find out the appropriate word in each case.

Hundreds of plants and animals are (41) every day due to deforestation and urbanization, what might happen if this continues in the future ? The last mass extinction of plant and animal species occurred 65 million years ago with the Dinosaurs. In all, five mass extinctions have occurred and scientists (42) earth is in the sixth mass extinction. The world as it is now is threatened, including people, who are responsible for earth's (43). Pesticides contaminating water; overharvesting of animals and plants; air pollution; illegal fishing and the clearing of land are direct results of urbanization and deforestation. People have (44) and damaged almost half of earth's land, at a very unsustainable rate. ?

Global warming is having a serious impact as well. A six-degree Celsius increase in global temperature killed 95% of all species on Earth 251 million years ago. An increase of six-degrees Celsius is forecast this century if a change is not made to (45) the damage done to earth. Humans will be one of the 95% of species lost. Noticeable changes of global warming include migration (46) and the change in season timings. Migrating birds are migrating earlier, which in turn is causing them to hatch eggs and (47) young earlier than they did at the beginning of this century. While this is just the tip of the iceberg, many other (48) regarding the extinction of plant and animal species need addressing. It is more important now than ever before to pull our heads out of the sand and make changes for the (49) of the earth. Future generations are (50), as they are a species as well.

41. (1) killing (2) alive (3) born (4) left (5) lost
42. (1) speak (2) told (3) estimation (4) believe (5) consider
43. (1) shape (2) development (3) deterioration (4) warmth (5) expansion
44. (1) altered (2) created (3) produced (4) made (5) brought
45. (1) void (2) dissipate (3) augment (4) reverse (5) increase
46. (1) delay (2) birds (3) slowdown (4) hasten (5) acceleration
47. (1) spare (2) bear (3) destroy (4) amend (5) generation
48. (1) animals (2) difficulty (3) issues (4) humans (5) problem
49. (1) extinction (2) better (3) wealth (4) stigma (5) demand
50. (1) endangered (2) threaten (3) evaluated (4) living (5) compared

GENERAL AWARENESS, MARKETING & COMPUTERS

51. The new Chinese Ambassador for India is _____.
1) Wei Wei 2) Zhang Yan 3) Yuan Guiren 4) Sheng Guangzu 5) None
52. Malik Obama, the half-brother of Barrack Obama decided to launch his political career in _____.
1) America 2) Kenya 3) South Africa 4) Zimbabwe 5) None
53. The Chinese Author who written a book China's Travel Attractions in Tamil is _____.
1) Li Bai 2) Mao Zedong 3) Bi Feiyu 4) Zhao Jiang 5) None
54. On 17 Jan 2013, President's rule is imposed in _____.
1) Jharkand 2) Megalaya 3) Assam 4) Mizoram 5) None
55. The London based Indian Researcher who is selected for Alzheimer's Drug award is _____.
1) Prof Sube Banerjee 2) Mahaveer Golechha
3) Dr Amit Dias 4) Prof Lynn Chenoweth 5) None
56. The Video Telephony service is launched by MTNL in _____.
1) Mumbai 2) Bangalore 3) Delhi 4) Hyderabad
1) 1 & 2 2) 2 & 3 3) 1 & 3 4) 2 & 4 5) None
57. On 17 Jan 2013, the committee on Economic affairs approved the continuation of _____.
1) JNNURM 2) UIDSSMT 3) PURA 4) NUSP 5) None
58. The World Conference on International Telecommunication was held in _____.
1) New York 2) Dubai 3) Tokyo 4) London 5) None
59. Astronomers found magnetic ropes in _____.
1) Neptune 2) Uranus 3) Venus 4) Mercury 5) None
60. The first Space Weather Reading Centre of India is to come in _____.
1) Mumbai 2) New Delhi 3) Bangalore 4) Kolkatta 5) None
61. Er Ist Wieder Da is the best selling book in Germany, which is written by _____.
1) Timur Vermes 2) Ken Follet
3) Charles Dickens 4) Chetan Bhagat 5) None
62. On 3 Mar 2013, The first Shariat Panchayat of Punjab will be inaugurated in _____.
1) Malerkotla 2) Fazilka 3) Jagraon 4) Batala 5) None
63. The First Woman Speaker of Singapore is _____.
1) Indranee Rajah 2) Sim Ann
3) Halimah Yacob 4) Low Yen Ling 5) None
64. Kirshi Karman Awards for 2011 - 12 has been honoured to _____ states.
1) 5 2) 10 3) 8 4) 18 5) None
65. The leader of Indian delegation for World Economic Forum which will be held from 23 to 27 Jan 2013 is _____.
1) Kamal Nath 2) Jyotiraditya Scindia
3) Anand Sharma 4) Praful Patel 5) None
66. The government of India deferred the implementation of General Anti Avoidance Rules (GAAR) for _____ years.
1) 1 2) 3 3) 2 4) 5 5) None
67. For Fast Track Courts the Union cabinet has sanctioned appointment for _____ judges.
1) 1500 2) 1800 3) 2000 4) 2400 5) None
68. Government has approved higher funds for _____.
1) Indira Awaas Yojana
2) Pradhan Mantri Gram Sadak Yojana
3) Swarnjayanti Gram Swarozgar Yojana
4) All of these 5) None
69. France's Simone de Beauvoir Prize for Women's Freedom is awarded to _____.
1) Lyudmila Ulitskaya 2) Taslima Nasreen
3) Jianmei Guo 4) Malala Yousafzai 5) None
70. The Internet and Mobile Association of India (IAMAI) reported that _____ percent of users prefer Vernacular (local) Language.
1) 75 2) 50 3) 64 4) 34 5) None
71. Microsoft has planned to shut down its _____ service.
1) Windows Messenger 2) Mail
3) Windows OS 4) Web Browser 5) None
72. The President released Commemorative Postage Stamp on _____.
1) Alleppey Light House 2) Silk Letter Movement
3) National Mathematics Day 4) Scinde Horse 5) None
73. Astronomers discovered a largest cosmic structure in the universe known as _____.
1) Dreaming Celestial 2) Galactus
3) Tenebrous 4) Large Quasar Group (LQG) 5) None
74. The internet activist and co-founder of Reditt who committed suicide is _____.
1) Aaron Swath 2) Steve Wozniak 3) Paul Allen 4) Bart Skorupa 5) None
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75. India for the second consecutive time reported no cases for _____ .
 1) Cancer 2) Polio 3) TB 4) Rabies 5) None
76. Marketing strategy means —
 (1) New ideas to true more customers
 (2) New methods to retain the customers
 (3) New ways to contact the new customers
 (4) New marketing techniques (5) All of the above
77. Successful Marketing strategies need —
 (1) Knowledge of customers' tastes (2) Good leadership
 (3) Proper direction and guidance (4) Knowledge of peers (5) All of the above
78. Promotion means—•
 (1) Additional responsibility (2) Doing research in marketing
 (3) Advertisement and publicity for marketing
 (4) Going up the ladder in Gov ernment establishments (5) All of the above
79. Diversification means —
 (1) Marketing in diverse countries (2) Marketing in diverse companies
 (3) Making new, diverse products (4) Used only for transactions with foreign countries
 (5) All of the above
80. Motivation is very much required effective marketing. What other qualities are required ?
 (1) Confidence (2) Effective Communication skills (3) Team work
 (4) Perseverance (5) All of the above
81. Marketing is required in banks due to
 (1) globalisation (2) computerisation (3) increase in population
 (4) government dictates (5) None of these
82. Marketing is
 (1) a day-to-day function (2) a one-off affair
 (3) a one-man show (4) a collective process
 (5) a means to earn extra income
83. Qualities needed by a good marketing staff are
 (1) Aggressiveness (2) Pushy (3) Perseverance (4) Politeness
 (5) only (3) and (4)
84. Marketing should be resorted
 (1) only among rich persons (2) only among the poor
 (3) only in crowded areas (4) depends on the product
 (5) depends on the banks
85. HNI means
 (1) High Income Individual (2) Honest Marketing Staff
 (3) High Networth Individual (4) Honest Neutral Individual (5) None of these
86. Marketing Strategies means
 (1) plan for effective marketing (2) type of marketing style
 (3) market demands (4) All of these (5) None of these
87. Market Plan is
 (1) an action plan for day-to-day marketing
 (2) effective selling steps (3) effective buying steps
 (4) a comprehensive documents for marketing strategies (5) All of these
88. The meaning of digital marketing is
 (1) selling digital goods (2) selling calculators
 (3) selling through internet (4) All of these (5) None of these
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89. Target group means
 (1) all employees (2) short-listed group (3) all the marketing staff
 (4) sales representatives (5) group of people likely to buy the identified product
90. The target group for Home Loans are
 (1) individuals (2) salaried persons (3) businessmen (4) professionals
 (5) All of these
91. The ability to easily add additional users means that a network is
 1) scalable 2) dedicated 3) decentralized 4) secure 5) None
92. In database, a field is a .
 1) label 2) table of information 3) group of related records
 4) category of information 5) None
93. The number of pixels displayed on a screen is known as the screen._.
 1) resolution 2) colour depth 3) refresh rate 4) viewing size 5) None
94. Word processing, spreadsheet, and photo-editing are examples of_.
 1) application software 2) system software
 3) operating system software 4) platform software 5) None
95. If you wish to extend the length of the network without having the signal degrade, you would use a
 1) repeater 2) router 3) gateway 4) switch 5) None
96. A__is approximately a million bytes.
 1) gigabyte 2) kilobyte 3) megabyte 4) terabyte 5) None
97. The time it takes a device to locate data and instructions and make them available to the CPU is known as_.
 1) clock speed 2) a processing cycle 3) CPU speed
 4) access time 5) None
98. ____controls the way in which the computer system functions and provides a means by which users can interact with the computer.
 1) The platform 2) The operating system 3) Application software
 4) The motherboard 5) None
99. _means that the data contained in a database is accurate and reliable.
 1) Data redundancy 2) Data integrity
 3) Data reliability 4) Data consistency 5) None
100. A(n) _____ is a private corporate network, used exclusively by company employees.
 1) internet 2) local area network
 3) peer-to-peer 4) intranet 5) None

DATA ANALYSIS AND INTERPRETATION

Directions (Q. Nos. 101 - 105) What should come in place of the question mark (?) in the following questions?

101. $\sqrt[3]{?} = (756 \times 67) \div 804$
 1) 195112 2) 250047 3) 226981 4) 274625 5) None
102. $0.3 + 3 + 3.33 + 3.3 + 3.03 + 333 = ?$
 1) 375.66 2) 345.99 3) 375.93 4) 355.96 5) None
103. $73425 - 33267 - 22418 - 17650) \times \sqrt{11025} = ?$
 1) 10165 2) 9785 3) 8370 4) 9450 5) None
104. $-76 \times 33 + 221 = ?$
 1) -2287 2) -19304 3) 2287 4) 19304 5) None
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105. $(34.12)^2 - \sqrt{7396} = ?$

- 1) 1080.1744 2) 1078.1474 3) 1078.1744 4) 1080.1474 5) None

Directions (Q. Nos. 106 - 110) What should come in place of the question mark (?) in the following number series?

106. 15, 25, 40, 130, ?, 2560

- 1) 500 2) 520 3) 490 4) 480 5) None

107. 186, 94, 48, 25, ?, 7.75

- 1) 13.5 2) 14.8 3) 12.5 4) 14 5) None

108. 124, 112, 176, 420, 1488, ?

- 1) 8568 2) 7140 3) 5712 4) 6150 5) None

109. 384, 381, 372, 345, 264, ?

- 1) 23 2) 25 3) 43 4) 24 5) None

110. 282, 286, 302, ?, 402, 502

- 1) 366 2) 318 3) 326 4) 338 5) None

Directions (Q. Nos. 111 - 115) Study the following table carefully and answer the questions given below.

Annual income of various individuals over the years
Income (in lakh rupees)

Years	Individuals					
	A	B	C	D	E	F
2002	5.50	3.20	4.80	6.35	6.13	3.50
2003	5.65	3.25	4.85	6.55	6.25	3.65
2004	5.70	3.725	4.95	7.155	6.425	3.75
2005	6.20	4.25	5.10	7.35	7.15	4.0
2006	6.50	4.50	5.20	7.40	7.25	4.25
2007	6.75	5.0	5.25	7.48	7.285	4.80
2008	7.0	5.35	5.30	8.0	7.30	5.10

111. What is the approximate average monthly income of A over the years?

- 1) Rs.44762 2)Rs.48348 3) Rs.53216 4) Rs.51245 5) Rs.42102

112. What is the respective ratio of the annual income of-B to that of C in the year 2005?

- 1) 6 : 5 2) 6 : 7 3) 5 : 6 4) 7 : 6 5) None

113. What is the difference between the total annual income of all the individuals in the year 2003 and total annual income of all the individuals in the year 2007?

- 1) Rs.736500 2) Rs. 645400 3)Rs.636500 4) Rs.743300 5) None

114. The annual income of E in the year 2004 is approximately what per cent of the average annual income earned by E over the years?

- 1) 98 2) 86 3) 88 4) 94 5) 91

115. What is the average annual income of F over the years?

- 1) Rs. 416000 2) Rs. 425000 3)Rs.401500 4) Rs.415500 5) None

116. Asha's monthly income is 60% of Deepak's monthly income and 120% of Maya's monthly income. What is Maya's monthly income if Deepak's monthly income is Rs.78000?

- 1) Rs.39000 2)Rs.42000 3) Rs.36000 4) Can't be determined 5) None

117. The sum of 5 numbers is 924. The average of first two numbers is 201.5 and the average of last two numbers is 196. What is the third number?

- 1) 133 2) 129 3) 122 4) Can't be determined 5) None

118. In how many different ways can the letters of the word 'ATTANCE' be arranged?

- 1) 5040 2) 2040 3) 2510 4) 4080 5) None

119. The profit earned after selling a wrist watch for Rs.4080 is the same as loss incurred after selling the same wrist watch for Rs.3650. What is the cost price of the wrist watch?

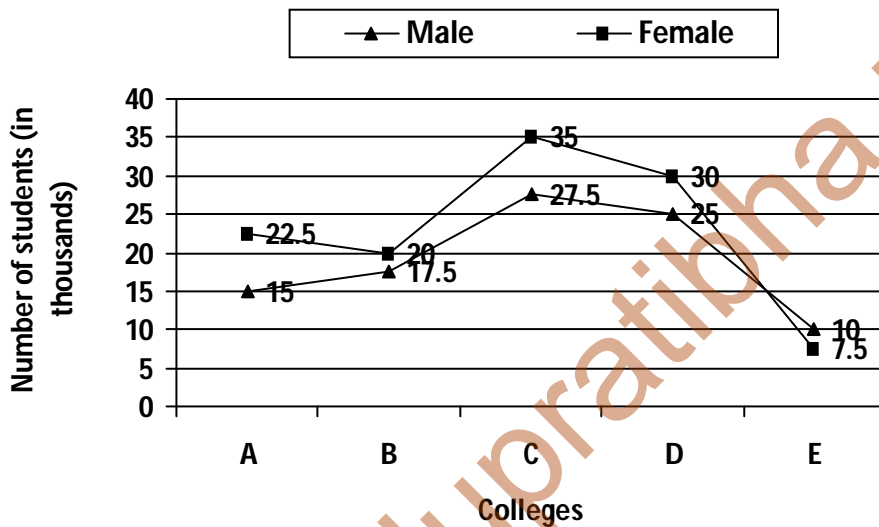
- 1) 3785 2) 3800 3) 3775 4) 3865 5) None

120. If the numerator of a fraction is increased by 240% and the denominator of the fraction is decreased by 50%, the resultant fraction is $2\frac{5}{6}$. What is the original fraction?

- 1) $\frac{1}{4}$ 2) $\frac{2}{3}$ 3) $\frac{5}{12}$ 4) $\frac{4}{11}$ 5) None

Directions (Q. Nos. 121- 125) Study the following line graph carefully and answer the questions below it.

Number of students (males and females) passed out from various colleges in a year (Number in thousands)



121. What is the average number of students (Males and Females) passed out from all the colleges together?
 1) 38000 2) 48000 3) 42000 4) 51000 5) None
122. The number of females passed out from college C is approximately what per cent the total number of females passed out from all the colleges together?
 1) 28 2) 30 3) 36 4) 25 5) 40
123. What is the difference between the total number of students passing out from college A and the total number of students passing out from college E ?
 1) 20500 2) 21000 3) 10500 4) 10000 5) None
124. What is the respective ratio of the total number of males to the total number of females passed out from all the colleges together?
 1) 19 : 23 2) 18 : 25 3) 23 : 19 4) 25 : 18 5) None
125. The number of males passing out from colleges A and B together is what per cent of the number of females passing out from colleges C and D together?
 1) 45 2) 40 3) 35 4) 50 5) None

Directions (Q. Nos. 126 - 130) What approximate value should come in place of the question mark (?) in the following questions? (You are not expected to calculate the exact value.)

126. $7428 \div 346 \times 12 = ?$
 1) 256 2) 251 3) 258 4) 247 5) 266
127. $15.2\% \text{ of } 726 \times 12.8\% \text{ of } 643 = ?$
 1) 9110 2) 9088 3) 9100 4) 9096 5) 9082
128. $(36.14)^2 - (21.28)^2 = ?$
 1) 888 2) 853 3) 846 4) 871 5) 865
129. $\sqrt[3]{769} \times \sqrt{478} = ?$
 1) 150 2) 180 3) 190 4) 200 5) 196

130. $496 \div 0.6 \times 0.5 = ?$
 1) 413 2) 595 3) 148 4) 1653 5) 498
131. 40% of 60% of $\frac{3}{5}$ th of a number is 504. What is 25% of $\frac{2}{5}$ th of that number?
 1) 180 2) 175 3) 360 4) 350 5) None
132. The difference between a two digit number and the number obtained by interchanging the two digits of the number is 9. What is the difference between the two digits of the number?
 1) 3 2) 2 3) 1 4) Can't be determined 5) None
133. In a class there are 32 boys and 28 girls. The average age of the boys in the class is 14 yr and the average age of the girls in the class is 13 yr. What is the average age of the whole class? (Rounded off to two digits after decimal.)
 1) 13.50 2) 13.53 3) 12.51 4) 13.42 5) None
134. In a test consisting of 80 questions carrying one mark each, Arpita answers 65% of the first 40 questions correctly. What per cent of the other 40 questions does she need to answer correctly to score 75% on the entire test?
 1) 60 2) 80 3) 75 4) 40 5) None
135. Manisha invests an amount of Rs.39300 for 4 yr at the rate of 4 p.c.p.a. What amount of approximate compound interest will she obtain at the end of 4 yr?
 1) Rs.6675 2) Rs.6650 3) Rs.6288 4) Rs.6356 5) Rs. 6450

Directions (Q. Nos. 136 - 140) Study the following table carefully and answer the questions given below it.

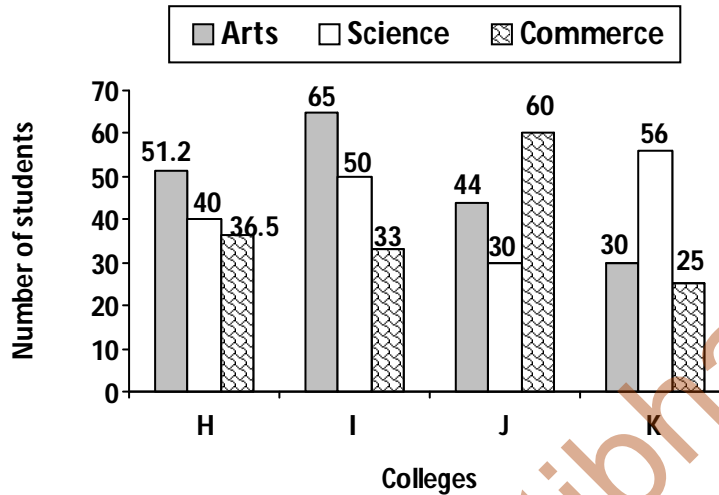
Price per kilogram (in T) at which 5 different farmers sell six different products

Products	Farmers				
	P	Q	R	S	T
Rice	20	15	20.5	24	22
Wheat	18	16	15	15.5	20
Jowar	16.5	15	18	20	15
Bajra	15	14	14.5	13.5	12
Maize	13	14	12.5	12	14.5
Sugarcane	10	8	11.5	10.5	8

136. What is the difference between the average price of per. kg of maize sold by all the farmers and the average price of per kg of sugarcane sold by all the farmers?
 1) Rs. 3 2) Rs.4.5 3) Rs.4.2 4) Rs. 3.6 5) None
137. What is the respective ratio of the total price per kg) of all the products sold by Q to those sold by R?
 1) 41: 43 2) 43 : 48 3) 43 : 46 4) 41: 48 5) None
138. If farmer Q sells 14 kg of wheat, 21 kg of jowar and 30 kg of sugarcane, what will be his total earning?
 1) Rs.699 2) Rs.779 3) Rs.650 4) Rs.786 5) None
139. If farmer P sells 50 kg of rice and farmer S sells 60 kg of wheat, what is the difference in amount by either of the farmers in selling their products?
 1) Rs.70 2) Rs. 65 3) Rs.80 4)Rs.85 5) None
140. If each farmer sells 100 kg of jowar and 50 kg of bajra, which farmer will earn the most?
 1) P 2) R 3) S 4) Q 5) T

Directions (Q. Nos. 141 - 145) Study the following graph carefully and answer the questions given below it.

Number of students studying in various colleges from various faculties Number (in thousands)



141. What is the difference between the total number of students studying in college H and those studying in college K?
 1) 16100 2) 15800 3) 16300 4) 16700 5) None
142. What is the total number of students studying in all the colleges together?
 1) 520900 2) 520700 3) 610200 4) 510800 5) None
143. What is the respective ratio of the students from the faculty of Science from colleges H and / together to the students from the same faculty from colleges J and K together?
 1) 43 : 45 2) 41 : 43 3) 45 : 43 4) 43 : 41 5) None
144. The number of students from the faculty of Science from college / are approximately what per cent of the total number of students studying in that college?
 1) 34 2) 37 3) 29 4) 31 5) 39
145. What is the average number of students from the faculty of Commerce from all the colleges together?
 1) 36825 2) 38655 3) 35625 4) 36585 5) None
146. 12 children can complete a piece of work in 21 days. Approximately, how many children will be required to complete the same piece of work in 15 days?
 1) 24 2) 14 3) 22 4) 17 5) 20
147. Mangesh spends 17% of his monthly income in travelling. He spends 25% of his monthly income on household expenses and spends 36% of his monthly income on families medical expenses. He has remaining amount of Rs. 10032 as cash with him. What is Mangesh's annual income?
 1) Rs.550300 2) Rs. 536500 3) Rs.547200 4) Can't be determined 5) None
148. The product of two consecutive even numbers is 3248. Which is the larger number?
 1) 58 2) 62 3) 56 4) 60 5) None
149. The average marks of 65 students in a class was calculated as 150. It was later realised that the marks of one of the students was calculated as 142, whereas his actual marks were 152. What is the actual average marks of the group of 65 students?
 Rounded off to two digits after decimal.)
 1) 151.25 2) 150.15 3) 151.10 4) 150.19 5) None
150. The sum of five consecutive odd numbers is 575. What is the sum of the next set of five consecutive odd numbers?
 1) 615 2) 635 3) 595 4) Can't be determined 5) None

REASONING

151. In a certain code DESPAIR is written as TFEQSJB. How is NUMERAL written in that code?
1)OVNFMBS 2)NVOFSBN 3)NVOMFBS 4)NVOFMBS 5) None
152. If it is possible to make only one meaningful word with the first, second, sixth and tenth letters of the word DISCLAIMER, which of the following will-be the third letter from the left? If no such word can be made, give 'X' as your answer and if more than one such word can be made, give 'Y' as the answer.
1)1 2)R 3)D 4)X 5)Y
153. How many such digits are there in the number 27561493 each of which is as far away from the beginning of the number as when the digits are arranged in descending order within the number?
1)None 2) One
3)Two 4) Three 5) More than three
154. If 'yellow' is called 'red', 'red' is called 'blue', 'blue' is called 'white', 'white' is called'black', 'black' is called 'green', and 'green' is called' violet' what is the colour of clear sky?
1) Green 2) Violet 3) Yellow 4) Red 5) None
155. It was 9.35 am in Rakhi's watch, which kept correct time, when Reena informed her that the last bus left the bus stop at 9.25 am. Reena's watch is 5 minutes fast. The frequency of the bus is every 20 minutes. For how long must Rakhi wait to catch the next bus?
1)5 minutes 2) 10-minutes 3) 15 minutes 4) 25 minutes 5) None
156. Which of the following should come next in the given sequence of numbers?
2 4 3 2 4 3 1 2 4 3 1 2 2 4 3 1 2 3 2 4 3 1 2 3
1)2 2)3 3)4 4)5 5) None
157. How many meaningful English words can be formed with the letters EDOM, using each letter only once in each word?
1)None 2) One 3) Two 4) Three
5) More than three
158. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group?
1) Nephew 2) Cousin 3) Mother 4) Brother 5) Sister
159. Howmany pairs of letters are meremmewordSECURITY each of which has as many alphabets between them as there are in the English alphabetical series?
1)None 2)Two 3)Three 4) Four 5) More than four
160. In a certain code STAR is written as 5\$*2 and TORE is written a \$32@. How is OATS written in that code?
1)3*5\$ 2)3*\$5 3)3\$*5 4)35*\$ 5) None

Directions (Q. 161-165): In each of the questions below are given four statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

161. Statements:
Some doctors are lawyers.
All teachers are lawyers.
Some engineers are lawyers.
All engineers are businessmen.
- Conclusions:
I. Some teachers are doctors.
II. Some businessmen are lawyers.
III. Some businessmen are teachers.
IV. Some lawyers are teachers.
- 1) None follows 2) Only II follows 3) Only III follows
4) Only II and IV follow 5)None

167. Who sits second to the right of E?
 1)B 2) F 3)G 4)C 5) None
168. What is the position of A with respect to H?
 1) Third to the left 2) Third to the right
 3) Second to the left 4) Second to the right 5) Fourth to the left
169. Four of the following five are alike based upon their seating arrangements and so form a group. Which is the one that does not belong to that group? '
 1)CH 2)FG 3) DA 4)BE 5)GB
170. Which of the following pairs has the second person sitting to the immediate left of the first person?
 1)DB 2)EH 3) FA 4)GD 5) None

Directions (Q. 171-175): These questions are based on the following letter/number/symbol arrangement. Study it carefully and answer the questions.

8 # B 2 © E K 7 % 5 A 1 \$ G D 9 4 U * C 6 H @ I 3

171. How many such numbers are there in the above arrangement each of which is immediately preceded by a consonant and also followed by a symbol?
 1)None 2) One 3) Two 4) Three
 5) More than three
172. Which of the following should replace the question mark in the following series based on the above arrangement?
 2EK, %A1, G94, ?
 1)*6H 2)UC6 3)*CH 4) *6@ 5) None
173. Which of the following is the fifth to the left of the seventeenth from the left end of the arrangement?
 1)\$ 2)G 3) A 4) D 5) None
174. If all the numbers are deleted from the above arrangement which of the following will be the twelfth from the right end?
 1)% 2)K 3)* 4)C 5) None
175. How many such symbols are there in the above arrangement each of which is immediately preceded by a number and also immediately followed by a letter?
 1)None 2)One 3)Two 4)Three
 5) More than three

Directions (176-180): Read the following information carefully and answer the questions, which follow:

'P ÷ Q' means 'P is son of Q'

'P x Q' means 'P is sister of Q'

'P + Q' means 'P is brother of Q'.

T-Q' means 'P is mother of Q'.

176. How is T related to S in the expression
 T x R + V ÷ S ?
 1) Sister 2) Mother 3) Aunt 4) Uncle 5) None
177. How is T related to S in the expression 'TxR ÷ V-S' ?
 1) Father 2) Sister 3) Daughter 4) Aunt 5) None
178. How is S related to T in the expression 'T + R - V + S' ?
 1) Uncle 2) Nephew 3) Son 4) Cannot be determined 5) None
179. Which of the following means that 'S is the husband of T' ?
 1)TxR-V + S 2)T-R ÷ VxS 3)T-R + V ÷ S 4)T ÷ RxV+S 5) None
180. How is V related to T in the expression 'T ÷ R + V x S' ?
 1) Aunt 2) Nephew 3) Niece 4) Uncle 5) None

Directions (Q. 181-185): Each of the questions below consists of a question and two statements numbered I and II are given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and

Give answer 1) If the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer 2) If the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer 3) If the data in Statement I alone or in Statement II alone are sufficient to answer the question.

Give answer 4) If the data in both the Statements I and II even together are not sufficient to answer the question.

Give answer 5) If the data in both the Statements I and II together are necessary to answer the question.

181. How is A related to B?

I. A is the sister-in-law of C, who is the daughter-in-law of B, who is the wife of D.

II. B is the mother of A's son's only uncle's son.

182. Amongst A, B, C, D, E and F, each are having a different height. Who is the shortest?

I. C is shorter than only B.

II. A is taller than only D and F.

183. Point X is in which direction with respect to Y?

I. Point Z is at equal distance from both point X and point Y.

II. Walking 5 km to the East of point X and taking two consecutive right turns after walking 5 kms before each turn leads to point Y.

184. How is 'must' written in a code language?

I. 'you must see' is written as 'la pa ni' and 'did you see' is written as 'jo ni pa' in that code language.

II. 'you did that' is written as 'pa si jo' in that code language.

185. On which day of the week does Arti's birthday fall?

I. Sonu correctly remembers that Arti's birthday falls after Wednesday but before Sunday.

II. Raj correctly remembers that Arti's birthday falls before Friday but after Tuesday.

Directions (Q. 186-190): Below in each question are given two statements I and II. These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choices correctly depicts the relationship between these two statements.

Mark answer 1) If statement I is the cause and statement II is its effect.

Mark answer 2) If statement II is the cause and statement I is its effect.

Mark answer 3) If both the statements I and II are independent causes.

Mark answer 4) If both the statements I and II are effects of independent causes.

Mark answer 5) If both the statements I and II are effects of some common cause.

186. I. Computer education has been made compulsory for all the classes by many schools.

II. The current job market prefers computer-literate workforce!

187. I. The standard of education in evening colleges of the State has been deteriorating.

II. The standard of school education has been fast deteriorating in the State.

188. I. All domestic airlines increased the fares in all sectors with immediate effect.

II. Railways increased the fare of all its classes with immediate effect.

189. I. The prices of fruits and vegetables fell substantially over the last few days.

II. The quality of fruits and vegetables improved considerably over the last few days.

190. I. Recent floods in the area changed the nutritional contents of the soil.

II. Farmers in the area switched over to cultivating rice instead of wheat.

Directions (Q. 191-195): In the following questions, the symbols #, \$, %, * and @ are used with the following meaning as illustrated below:

'A#B' means 'A is not greater than B'.

'A \$ B' means 'A is neither smaller nor equal to B'

'A % B' means 'A is neither smaller nor greater than B'.

'A * B' means 'A is neither greater than nor equal to B'.

"A @ B' means 'A is not smaller than B'.

Now in each of the following questions, assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true and give your answers accordingly.

Mark answer 1) If only conclusion I is true.

Mark answer 2) If only conclusion II is true.

Mark answer 3) If either conclusion 1 or II is true. .

Mark answer 4) If neither conclusion I nor II is true.

Mark answer 5) If both conclusions I and II are true.

191. Statements: A# B, B% C, C* D

Conclusions: I. G@A II. A#D

192. Statements: P\$Q, Q@\$, \$%R

Conclusions: I. P@R II. R\$Q

193. Statements: W * X, X # Y, Y\$Z

Conclusions: I. W * Z II. W@Z

194. Statements: G@ H, H \$ J, J % K

Conclusions: I. K*G II. J*G

195. Statements: N @ M, MSP, P#T

Conclusions: I. T#N II. P*N

Directions (Q. 196-200): Study the following information carefully and answer the given questions.

A, B, C, D, E, F and G are seven friends studying seven different branches of engineering, namely Mechanical, Chemical, Electrical, Electronics, Civil, Computer and Aeronautical Engineering, not necessarily in this order. Each of them studies in three different colleges, X, Y and Z. Not less than two study in any college. D studies Electrical engineering in College X. The one who studies Chemical Engineering does not study in college Z. F studies Aeronautical Engineering in college Y with only B. A does not study in college X and does not study Civil Engineering. E studies Computer Engineering and does not study in college X. G studies Electronics Engineering but not in college X. None in college X studies Mechanical or Civil Engineering.

196. Which of the following groups represents the persons studying in college Z?

1)D,B 2)C,E,G 3)A,G 4)G,E,A 5) None

197. In which of the following colleges does C study?

1)X 2)Y 3)Z 4) Either X or Z
5) Cannot be determined

198. Which of the following combinations is correct?

1)A-Civil-Z 2)B-Chemical-Y 3) C-Chemical-Z 4) G-Electronics-Y 5) None

199. B studies which of the following branches of engineering?

1) Chemical 2) Mechanical 3) Civil 4) Cannot be determined 5) None

200. Who studies Chemical engineering?

1)B 2)C 3)E 4)A 5) None

KEY

1.2 2.5 3.1 4.4 5.2 6.3 7.5 8.4 9.1 10.1 11.1 12.2 13.3 14.2 15.5
16.2 17.3 18.1 19.4 20.1 21.4 22.2 23.3 24.4 25.3 26.4 27.1 28.3 29.4 30.4
31.1 32.3 33.2 34.1 35.2 36.3 37.5 38.1 39.3 40.2 41.4 42.5 43.5 44.2 45.1
46.4 47.1 48.4 49.2 50.5 51.3 52.3 53.1 54.1 55.3 56.1 57.2 58.2 59.2 60.1
61.1 62.2 63.3 64.4 65.3 66.2 67.1 68.2 69.4 70.2 71.1 72.3 73.2 74.2 75.2
76.2 77.1 78.2 79.4 80.4 81.4 82.2 83.3 84.1 85.4 86.2 87.3 88.2 89.4 90.1
91.4 92.2 93.4 94.3 95.3 96.1 97.2 98.2 99.3 100.2 101.3 102.1 103.2 104.5 105.4
106.5 107.1 108.3 109.4 110.2 111.3 112.4 113.5 114.1 115.2 116.3 117.5 118.3 119.4 120.1
121.3 122.4 123.3 124.2 125.2 126.4 127.3 128.3 129.4 130.5 131.3 132.2 133.5 134.1 135.4
136.4 137.5 138.2 139.1 140.3 141.4 142.2 143.3 144.1 145.5 146.4 147.3 148.1 149.2 150.5
151.4 152.2 153.3 154.5 155.3 156.1 157.2 158.2 159.2 160.4 161.1 162.3 163.2 164.5 165.4
166.4 167.5 168.5 169.4 170.2 171.4 172.2 173.3 174.1 175.5 176.2 177.1 178.3 179.5 180.3
181.3 182.2 183.3 184.5 185.1 186.5 187.2 188.1 189.4 190.2 191.4 192.3 193.1 194.3 195.1
196.5 197.3 198.5 199.3 200.2

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