SBI ASSOCIATES CLERK EXAM

GENERAL AWARENESS

1. The Comptroller and Auditor General of India's Performance Audit Report titled "Issue of Licences and Allocation of 2G Spectrum by the Department of Telecommunications (DOT)" was tabled in Parliament on November 16, 2010. Which of the following statements is/are correct about it ?
   (A) The entire process lacked transparency and was undertaken in an arbitrary, unfair and inequitable manner.
   (B) The DoT issues 122 new licences for 2G spectrum in 2008 at 2001 prices by flouting every canon of financial propriety, rules and procedures.
   (C) The companies that won licences despite being ineligible include Unitech, Datacorn (Now Videocon), S-Tel. Swan Telecom (now Etisalat DB) and Loop Telecom.
   (1) Only A and B
   (2) Only B and C
   (3) Only C
   (4) Only A and C
   (5) All A, B and C

2. The US Department of Agriculture in a scathing report titled "Household Food Security in US 2009" released in November 2010, revealed that _____ per cent of American households faced food insecurity some time during 2009, including 5.7 per cent with very low food security.
   (1) 14.7   (2) 13.8
   (3) 13.4   (4) 14.3
   (5) None of these

3. The outgoing Brazilian President Luiz Inacio Lula da Silva was on November 19, 2010 selected for the Indira Gandhi Prize for Peace, Disarmament and Development for 2010. Who among the following will succeed Mr. Silva as President in 2011 ?
   (1) David I Ialberstam
   (2) Brant Parkei
   (3) Ramzan Kadyrov
   (4) Dilma Rousseff
   (5) None of these

4. The Government of India launched 'Sabla' or the 'Rajiv Gandhi Scheme for Adolescent Girls' on November 19, 2010. Which of the following statements is/are correct about the scheme ?
   (1) The scheme is launched for the well-being and overall empowerment of adolescent girls aged 11-18
   (2) The scheme has been launched as a pilot project in 200 most backwards districts of six states namely, Bihar, Madhya Pradesh, Maharashtra, Rajasthan, Sikkim and Uttar Pradesh.
   (3) The scheme will address the nutritional and special training aspects of adolescent girls.
   (4) An integrated package of services will be provided to adolescent girls.
   (5) **All** are true

5. The Cabinet Committee on Economic Affairs (CCEA) on November 26, 21010 approved the commencement of an Integrated Action Plan in 60 selected districts, mostly affected by naxal violence. Which of the following statements is/are true about the IAP?
   (1) It is a central assistance scheme on a 10 per cent grant basis.
   (2) It is aimed at quick resolution of problems concerning healthcare, drinking water, education and road.
   (3) In 2010-11 each of the 60 districts will get a block grant of Rs 25 crore.
   (4) State componant of the IAP will be administered by the Pbinnink Commission.
   (5) All are true

6. What was the theme of the :(0lh International Trade Fair organised from November 14 to 27, 2010 in New Delhi ?
   (1) Ultra modern technique for efficient use of energy
   (2) Clean and energy efficient technology, product and services
   (3) Low cost, energy efficient products and services
   (4) Efficient energy and services
   (5) None of these

7. Microsoft CoqxiraUoii on October 19, 2010 launched n full online version of its popular office suite of applications, known as
   (1) Office 24 x 7
   (2) Office 365
   (3) MS Smart
   (4) Smart Power
   (5) None of these

8. Who among the following was made Chief Minister of Maharashtra on November 11, 2010 after Ashok Chavan resigned from the post?
   (1) Sushil Kumar Shinde
   (2) Ajit Pawar
   (3) Vilasrao Deshmukh
   (4) Prithviraj Chavan
   (5) None of these

9. The former Prime Minister ol Russia, Victor Chernomyrdin, who steered the Russian economy through its stormy transitioi in the 1990s, passed away oi November 3, 2010. In which ye; he was appointed Prime Minister of Russia ?
   (1) 1990   (2) 1991
   (3) 1992   (4) 1993
   (5) None of these

10. Who among the following was ni honoured with Jamnalal Bajaj Awards on October 28. 2010 ?
   (1) Chewang Norphel

(2) ChunlbhaiValdya

(3) Shakuntala Choudhaiy

(4) Chetan E Chitnis

(5) None of these

11. Who among the following was crowned Miss World 2010 on October 30, 2010 In Sanya, China ?

(1) EmmaWareus

(2) Adriana Vaslni

(3) Alexandria Mills

(4) Kaiane Aldorino

(5) None of these

12. Which of the following Public Sector Units was not conferred the coveted Maharatna status on November 16, 2010 ?

(1) SAIL   (2) ONGC

(3) IOC   (4) NTPC

(5) None of these

13. The six month long Shanghai Expo, the biggest world's fair in history, concluded on October 31, 2010 during which it received' record_____ million visitors.

(1)69   (2)63

13)73   (4)65

(5) None of these

4. Union Communications and Information Broadcasting Minister Andimuthu Raja resigned on November 14, 2010 in the wake of 2G spectrum allocation scam. According to the report of the Comptroller and Auditor General how many licences out of 122, given to such firms which did not fulfil eligibility criteria ?

(1)88   (2)92

(3) 96   (4) 85

(5) None of these

15. Who among the following was conferred the France's highest civilian honour in October 2010?

(1) Ritu Beri

(2) D Ramanaidu

(3) Zakir Hussain

(4) AR Rahman

(5) None of these

16. Who is the President and CEO of Pepsico who also visited to India with US President Barack Obama in November 2010?

(1) Indira Nooyi

(2) Terry McGraw

(3) Gary Locke

(4) Tom Donilon

(5) None of these

17. Who is the Principal assistant Secretary of US state "that the US President's Asia tour stars with India". ?

(1) Tim Geithner

(2)TomVilsack

(3) Geoff Pyatt

(4) Tom Donilon

(5) None of these

18. When did the High Court, Allahabad order the Archaeological Survey of India to find out whether a temple existed below the Babri Masjid or not ?

(1) March 8, 2002

(2) August 3, 2002

(3) March 5. 2003

(4) August 22, 2003

(5) None of these

19. Which of the following statements regarding the verdict of the Lucknow Bench of the Allahabad High court on the Ayodhya title suits, delivered on September 30, 2010 is not correct ?

(1) The Bench ruled by a major – Ity verdict that the disputed 120 feet by 90 feet area should be divided into three equal parts among three petitioners.

(2) The three petitioners are the Sunni Central Wakf Board, the Nirmohi Akhara and the party representing the deity, Ram Lalla.

(3) Justice SU Khan rejected the claims of Muslims on the ground that Babri Masjid has been built against the tenets of Islam and therefore could not be treated as mosque.

(4) The Nirmohi Akahara was allotted, parts of the outer courtyard covered earlier by Ram Chabutra, Sita Rasoi and Bhandar.

(5) None of these

20. Mario Vargas Llosa, celebrated _____ author, on October 7, 2010, won the Nobel Prize for Literature "for his cartography of structures of power and his trenchant images of the individual's resistance, revolt, and defeat".

(1) Peruvian-Spanish

(2) English-French

(3) German-Russian

(4) Czech-Polish

(5) None of these

21. The US President meets the top three Taj Group bossess. Who among the following is not related to Taj Group ?

(1) Ra tan Tata

(2) Raymond Bickson

(3) Krishnakumar

(4) Ramakrishna

(5) None of these

22. Which of the following opinions by the three Judges regarding Ayodhya title suits' verdict delivered on September 30, 2010 is not correct ?

(1) According to Justice DV Sharma, Lord Ram was born at the disputed site.

(2) According to Justice SU Khan, the claims of the Sunni Wakf Board and the Nirmohi Akhara are time barred.

(3) According to Justice Sudhir Agarwal, the Babri Masjid was constructed after demolishing a non-Islamic religious structure, that is, a Hindu temple.

(4) All the three Judges said that idols of Ram Lalla were placed under the middle dome on December 22-23, 1949.

(5) None of these

23. Who is the author of a controversial document, Charter 08, in news In October 2010, which calls for the rapid establishment of a free, democratic, and constitutional country" and an end to one-party rule in China?

(1) UuXiaobo   (2)ZhengJie

(3) Li Fang   (4)YanZi

(5) None of these

24. US President Barack Obama are received by Maharashtra Chief minister Ashok Chavan, Union minister of state for corporate affairs and minority affairs_____ and US consul-general paul Folmsbee on 6 November, 2010 at Mumbai Airport.

(1) SalimAnsari

(2) J.M. Sood

(3) Salman Khurshid

(4) Ahmed Patel

(5) None of these

28. Who among the following visited several times Ayodhya to hold talks with the leaders of both Hindu and Muslim in 2010 for a peaceful settlement of the Ayodhya land dispute ?

(1) Justice Palak Basu
(2) Justice A K Nayyer
(3) Justice DV Sharma
(4) Justice Sudhir Agarwal
(5) None of these

8. Peter Diamond and Dale Mortensen of the United States and British-Cypriot ____ won the 2010 Nobel Economics Prize on October 11, 2010.
(1) Alexander Hawkins
(2) Daniel Montfort
(3) Christopher Pissarides
(4) Richard Bell
(5) None of these

7. President Barack Obama and his wife greeted by PM Manmohan Singh and Gursharan Kaur at New Delhi Airport on ____.
(1) 6 November, 2010
(2) 7 November, 2010
(3) 8 November, 2010
(4) 9 November, 2010
(5) None of these

!8. Which among the following was not a litigant in the Ayodhya title suits ?
(1) Central Sunni Board of Wakfs, Uttar Pradesh
(2) Gopal Singh Visharad represented by Rajendra Singh
(3) Bhagwan Shri Ram Virajman
(4) Mahant Paramhans Ramchandra
(5) None of these

19. Jailed political activist Liu Xiaobo was awarded the 2010 Nobel Peace Prize on October 8, 2010, "for his long and non-violent struggle for fundamental human rights in .___."
(1) North Korea (2) Myanmar
(3) China (4) Malaysia
(5) None of these

30. Who, in October 2010, won the 2010 Nobel Prize in chemistry for developing a chemical method that has allowed scientists to test cancer drugs and make thinner computer screens?
(1) Richard Heck
(2) Ei-ichi Negishi
(3) Akira Suzuki
(4) All of the above
(5) None of these

31. How much amount was earmarked by Wipro chairman Azim Premji in December 2010 for a foundation for its contribution in improving the education system in various states of the country?

(1) ₹ 8,846 crore
(2) ₹ 8,796 crore
(3) ₹ 8,537 crore
(4) ₹ 8,187 crore
(5) None of these

32. International Monetary Fund (IMF) Managing Director Dominique Strauss-Kahn on December 2, 2010 described India as an "economic powerhouse" and projected that the Indian economy to grow by ____ percent in 2010.
(1) 8.7 (2) 8.9
(3) 9.7 (4) 9.25
(5) 9.5

33. The Central Government is planning to make bank executives accountable for their actions and decisions even after retirement in the wake of LIC Housing Finance Ltd scam. Which of the following statements is/are correct about this new initiative ?
(A) The move to frame new guidelines was initiated after the Central Vigilance Commission (CVC) pointed out irregularities in decisions taken by a former Central Bank of India Chairperson.
(B) It will be armed with rules to prevent 'bribery' by bank executives to favour customers who do not qualify for loans.
(C) The new rules are being framed for board-level appointees of public sector banks.
(1) Only (A) is true
(2) Only (B) and (C) are true
(3) Only (A) and (C) are true
(4) Only (C) is true
(5) All (A), (B) and (C) are true

34. India's gross domestic product (GDP) grew by 8.9 per cent in the July to September 2010 quarter as per the data released on November 30. 2010. Which of the following statements regarding this projection is/are correct ?
(1) The better growth was driven by a robust farm output that grew by 4.4 per cent during the quarter
(2) Manufacturing sector grew by 9.8 per cent during July to September 2010
(3) Consumption contributed 63 per cent and investment another 36 per cent to overall real GDP growth

(4) The real GDP series has undergone revisions with this projection
(5) All are correct

35. Who among the following was appointed Chief Minister of Andhra Pradesh on November 25, 2010?
(1) Konijeti Rosaiah
(2) N Kiran Kumar Reddy
(3) YS Jaganmohan Reddy
(4) N Vivekanand Reddy
(5) None of these

36. Who among the following won four awards at the American Music Awards in Los Angeles on November 21, 2010 ?
(1) Taylor Swift
(2) Michael Buble
(3) BradPaisely
(4) Justin Bieber
(5) None of these

37. India's first national expedition to South Pole to study climate change patterns reached South Pole on November 22, 2010 and hoisted tricolour. Who among the following is the head of this expedition ?
(1) Dr. S Subramaniam
(2) Dr. Rasik Ravindra
(3) Dr. Subhash Panigrahi
(4) Dr. Ravindra Kelkar
(5) None of these

38. In which of the following countries the tallest statue ol Jesus was unveiled on November 21, 2010 ?
(1) Ireland (2) Brazil
(3) Australia (4) Poland
(5) None of these

39. Which of the followong combinations of category and winner regarding Sahara India Sports Awards 2010 is not correct ?
(1) Cricketer of the Year (Male)- Sachin Tendulkar
(2) Sportsman of the Year -Sushil Kumar
(3) Best Young Achiever (Female) - Soumya Swaminathan
(4) Sportswoman of the Year - Deepika Kumari
(5) Best Male Athlete, CWG - Gagan Narang

40. Who is the author of the book titled 'Luka and the Fire of Life?
(1) JoseSaramago
(2) Keith Richards
(3) Salman Rushdie
(4) Tasmina Perry
(5) None of these

GENERAL ENGLISH

Directions (41-55) : Read the following passage carefully and answer the question given below it. Certain words have been printed in bold to help you locate them while answering some of the questions.

The education sector in India is in lei ment, hit by a storm long waiting to happen. The butterfly that flapped its wings was the much-reiterated statement in a much publicised report that hardly a fourth of graduating engineers, and an even smaller percentage of other graduates, was of employable quality for IT-BPO jobs. This triggered a cyclone when similar views were echoed by other sectors which led to widespread debate. Increased industry-academia interaction, "finishing schools", and other efforts were initiated as immediate **measures** to **bridge** skill deficits. These, however, did not work as some felt that these are but band-aid solutions; instead, radical systemic reform is necessary.

Yet, there will be serious challenges to overdue reforms in the education system. In lndia-as in many countries-education is treated as a holy cow; sadly, the administrative system that oversees it has also been deceived. Today, unfortunately, there is no protest against selling drinking water or paying to be cured of illness, or for having to buy food when one is poor and starving; nor is there an outcry that in all these cases there are commercial companies operating on a profit-making basis. Why then, is there an instinctively adverse reaction to the formal entry of for-profit" institutes in the realm of education ? Is potable water, health or food, less basic a need, less important a right, than higher education ?

While there are strong arguments for free or subsidised higher education, **we are not writing** on **a blank page.** Some individuals and businessmen had entered this sector long back and found **devious** ways of making money, though the law stipulates that educational institutes must be 'not-for-profit' trusts or societies. Yet, there is opposition to the entry of 'for-profit' coroprates, which would be more **transparent** and accountable. As a result, desperately needed investment in promoting the wider reach of quality education has been stagnated at a time when iinancial figures indicate that the allocation of funds for the purpose is but a fourth of the need.

Well-run corporate organisations, within an appropriate regulatory framework, would be far better than the so-called trusts whichbarring some noteworthy exceptions-are a blot on education. However, it is not necessarily a question of choosing one over the other: different organisational forms can coexist, as they do in the health sector. A regulatory framework which creates competition, in tandem with a rating system, would automatically ensure the quality and relevance of education. As in sectors like telecom, and packaged goods, organisations will quickly expand into the hinterland to tap the large unmet demand. Easy Loan/scholarship arrangements would ensure affordability and access.

The only real strcutural reform in higher education was the creation of the institutes for technology and management. They were also given autonomy and freedom beyond that of the universities. However, in the last few years, determined efforts have been underway to curb their autonomy. These institutes, however, need freedom to decide on recruitment, salaries and admissions, so as to compete globally.

However, such institutes will be few. Therefore, we need a regulatory framework that will enable and encourage States and the Centre, genuine philanthropists and also corporates to set up quality educational institutions. The regulatory system needs only to ensure transparency, accountability, competition and widely-available independent assessments or ratings. It is time for radical thinking, bold experimentation and new structures; it is time for the government.to bite the bullet.

41. Why, according to the author, did the initiatives such as increased industry-academia and finishing schools did not help to bridge the skill deficit ?
  (A) These steps were only superficial remedies and the problem could be answered only by reforming the entire education system.
  (B) These initiatives operated on a profit-making basis rather than aiming at any serious systemic reforms.
  (C) The allocation of funds of such initiatives was only one-fourth of the need.
  (1) Only A
  (2) OnlyB
  (3) OnlyB and C
  (4) Only A and B
  (5) None of these

42. Which of the following suggestions have been made by the author to improve the state of education in India ?
  (A) Allowing the corporate organisations to enter the education sector.
  (B) Easy availability of loans and scholarships for making education more affordable.
  (C) A rating system for all the organisations to ensure quality.
  (1) Only A
  (2) Only A and B
  (3) Only A and C
  (4) All A. B and C
  (5) None of these

43. According to the author, what **'triggered a cyclone'** which saw similar views on the state of education being echoed across other sectors as well ?
  (1) The campaign for allowing corporates in the education sector on a 'for-profit' basis
  (2) The support for the increase in the industry-academia interaction
  (3) The report mentioning that only a small percentage of graduates were employable in software industry
  (4) The report supporting the idea of making the education completely 'for-profit' in order to improve upon the standards
  (5) None of these

44. Which argument does the author put forward when he compares the education sector with sectors catering to health and potable water etc. ?
  (1) Education should also be provided free of cost to all as health services and water

(2) Taking an example from these sectors, there should be a protest against the commercialisation of education as well

(3) Allowing corporate entry in education would result in rampant corruption as in the sectors of health and potable water etc.

(4) As in these sectors, commercial organisations should also be allowed to enter the education sector

(5) None of these

45. What does the author mean by the phrase 'we are not writing on a blank page' in context of the passage ?

(1) Corporates would never enter education if they are forced to function on a non-profit making basis

(2) The commercialisation of education has already started in India

(3) Education has been reduced to a profit making sector by some corporate organisations

(4) Government will not allow corporates to enter education as India can't afford to have costly education

(5) None of these

46. What is the author's main objective in writing the passage ?

(1) To suggest the ways to improve quality of education in India

(2) To highlight the corruption present in the education sector

(3) To compare the education sector with other sectors

(4) To suggest some temporary solutions to the problems in education

(5) None of these

47. According to the author, which of the following was the only step taken in order to reform the higher education ?

(1) Allowing organisations to enter the education sector on a 'for-profit' basis

(2) Creation of autonomous institutes for management and technology which were not under university control

(3) Setting up the regulatory framwork for all the existing universities

(4) Making the availability of educational loans and scholar ships easier

(5) None of these

48. Which suggestion does the author make in order to make the institutes of higher learning for technology and management capable of competing globally ?

(1) To limit their autonomy to acceptable limit and give partial controls to the government

(2) To allow corporate organisations to take them over in order to privide more funds

(3) To increase the allocation of funds to such institutes

(4) To provide freedom to decide on recruitment, salaries and admissions

(5) None of these

49. Which of the following is not true in context of the given passage ?

(1) According to the law, education institutes should not be run for profit

(2) There has been no protest against the selling of drinking water and paying for the health services

(3) Only either corporate organisations or government controlled organisations can exist in the education sector

(4) The introduction of 'for-profit' corporates in the education sector has been facing a lot of criticism

(5) All are true

Directions (50 - 52): Choose the word which is MOST similar in meaning to the word printed in bold as used in the passage.

50. DEVIOUS
(1) Dishonest (2) Different
(3) Severe (4) Various
(5) Trivial

51. MEASURES
(1) Amount (2) Quantity
(3) Steps (4) Capacity
(5) Length

52. BRIDGE
(1) Connect (2) Eliminate
(3) Unite (4) Link
(5) Fuse

Directions (53 - 55): Choose the word/phrase which is most opposite in meaning to the word printed in bold as used in the passage.

53. PROMOTING
(1) Demoting
(2) Delaying
(3) Postponing
(4) Broadening
(5) Hampering

54. NOTEWORTHY
(1) Unnoticed
(2) Insignificant
(3) Indefinite
(4) Remarkable
(5) Obsolete

55. TRANSPARENT
(1) Reputed
(2) Opaque
(3) Defective
(4) Corrupt
(5) Thick

Directions (56 - 60): Read each sentence to find out whether then? Is any grammatical error in it. The error if any will be in one part of the sentence, the number of that part will be the answer. If there is No error, the answer is (5). i.e. 'No error'. (Ignore the errors of punctuation, if any.)

56. I may go to the (1) / swimming class tomorrow (2)/ if 1 have recovered (3)/ from the cold. (4)/ No error (5)

57. The prime minister announced (1)/ that the taxes will be (2)/ increasing from the (3)/ beginning of next year. (4) / No error (5)

58. He is the most (1)/ intelligent and also (2)/ the very talented (3)/ student of the college. (4)/ No error (5)

59. She immediately quit (1)/ the job in which (2)/ neither the skill nor (3)/ knowledge were required. (4)/ No error (5)

60. The meteorological department (1)/ predicted that the (2)/ rains and thunderstorm may (3)/ continue throughout today. (4)/ No error (5)

Directions (61 - 65): Which of the phrases (1), (2), (3) and (4) given below each statement should replace the phrase given in bold in the following sentence to make the sentence grammatically meaningful and correct. If the sentence is correct as it is and 'No correction is required', mark (5) as the answer.

61. The corruption charges were a huge blow to his rerwtarjofi and **bis business** suffesK J to a great extent.

(.1) his business suffers to
(2) his business suffered on
(3) his business suffering to
(4) his business suffers on
(5) No correction required

62. Airline companies pay nearly 25 billion dollars for their right of **fly** over the countries other than their parent country.

(1) their right to fly
(2) their right in flying
(3) their right to flying
(4) there right to flight
(5) No correction required

63. When he fell down the ditch,, he shouted with all his might **so that to catch** someone's attention.

(1) such that to catch
(2) so as to catch
(3) so that to catching
(4) so then to catch
(5) No correction required

64. To disparity between the earnings of the poor and the rich **has widen in** the last few decades.

(1) have widen in
(2) has widened on
(3) have widened in
(4) has widened in
(5) No correction required

65. instead of teaching **abstracted** concepts, the new and improved textbooks tell stories of real people so that the children can identify with the characters.

(1) Inspite of teaching abstracted
(2) Instead of taught abstract
(3) instead of teaching abstract
(4) Inspite of taught abstract
(5) No correction required

Directions (66 - 705 ' Rearrange the following sentences (A), (B), (C), (D), (E) and (F) to make a meaningful paragraph and then answer the questions which follow :

(A) The blame for lacking creativity is, however, put on the present generation by the modern educationists.

(B) The concept of home work began so that the pupils could revise that was being taught in the class.

(C) By doing so, most of the schools took away the leisure time of the children.

(D) Instead, these educationists should suggest lowering of burden of homework to the commission for educational reforms.

(E) The purpose of this concept was, however, defeated when the schools started overburdening students with so called homework.

(F) Lack of such leisure time does not allow the children to develop creative pursuits.

66. Which of the following sentence should be the **THIRD** after rearrangement ?

(1) A   (2) E
(3) D   (4) F
(5) C

67. Which of the following sentence should be the FIRST after rearrangement ?

(1) A   (2) B
(3) C   (4) D
(5) E

68. Which of the following sentence should be the SECOND after rearrangement ?

(1) A   (2) B
(3) D   (4) E
(5) F

69. Which of the following sentence should be the **SIXTH (LAST)** after rearrangement ?

(1) B   (2) C
(3) D   (4) E
(5) F

70. Which of the following sentence should be the **FIFTH** after rearrangement ?

(1) A   (2) B
(3) C   (4) E
(5) F

Directions (7 1 - 80) *'An* the following passage there are blanks, each of which has been numbered. These numbers are printed below the passage and against each, live words/ phrases are suggested one of which best fits the blank appropriately. Find out the appropriate word/phrase in each case.

As the temperature **(71)** during the summer season, many households turn to air conditioners to keep them cool. Air conditioners which were once regarded as a residential luxury have now become a **(72).** Enjoying a cooler atmosphere during hot weather is not the only benefit of using the air conditioner. A household, a vehicle, or a building becomes cleaner and safer for breathing as air conditioning also **(7.3)** the growth and spread of harmful microorganisms.

However, along with the benefits, some disadvantages are also **(74)** with it. One of the most controversial topics attached to the subject of air conditioning deals with some of the materials that are used to produce the cooling effect - Fluorocarbons. These refrigerants **(75)** to global warming and are **(76)** as one of the main ways in which air-conditioning **(77)** the invironmnet. Fluorocarbon refrigerants also add to the problems concerning ozone layer depletion.

While air conditioning provides a temporary relief and makes heat wave more bearable, many questions have been **(78)** on how much the world will pay in the long run in terms of the environmental damage that it: has caused. Today, scientists are **(79)** on making more environmental friendly products, but for now, individuals are **(80)** to part with their instant cool during the thick of summer.

71. **(I)** decreases   (2) rises
(3) deviates .
(4) fluctuates
(5) varies

72. (1) irreplaceable
(2) obligatory
(3) certainty
(4) necessity
(5) redundancy

73. (1) prevents   (2) escapes
(3) kills   (4) removes
(5) purifies

74. (1) resulted
(2) caused
(3) associated
(4) influenced
(5) created

75. (1) result   (2) determine
(3) affect   (4) outcome
(5) contribute

76. (1) attended   (2) presumed
(3) regarded   (4) valued
(51 responsible

77. (1) helps   (2) impacts
(3) decline
(4) distintegrates
(5) improves

78. (1) thought (2) explained
    (3) expected (4) interrogated
    (5) raised
79. (1) trying (2) expected
    (3) developing (4) working
    (5) Inventing
80. M) disabled (2) helpless
    (3) unwanted (4) aware
    (5) reluctant

QUANTITATIVE APTITUDE

Directions (81 – 95) : What should come in place of the question mark (?) in the following questions :

81. 38% of 341 = ?
    (1) 120.68 (2) 129.58
    (3) 135.78 (4) 136.28
    (5) None of these

82. 38649 – 1624 – 4483 = ?
    (1) 32452 (2) 32425
    (3) 34522 (4) 35422
    (5) None of these

83. $6\frac{2}{5} \div 28\frac{4}{25} = ?$

    (1) $\frac{7}{25}$ (2) $\frac{5}{12}$

    (3) $\frac{9}{25}$ (4) $\frac{5}{22}$

    (5) None of these

84. 318 × 23 – 1465 = ?
    (1) 5849 (2) 5327
    (3) 5480 (4) 5237
    (5) None of these

85. 2205 ÷ (14 × 2 5) = ?
    (1) 63 (2) 77
    (3) 72 (4) 81
    (5) None of these

86. 44616 ÷ $\sqrt{?}$ = 143 × 6
    (1) 2704 (2) 2304
    (3) 52 (4) 48
    (5) None of these

87. 9.4 × 2.5 × 9.7 – 29.26 = ?
    (1) 185.29 (2) 162.69
    (3) 187.29 (4) 198.69
    (5) None of these

88. $8^3 \times 3^3 - 21^2 = ?$
    (1) 18833 (2) 18333
    (3) 13383 (4) 13833
    (5) None of these

89. 538.24 – 193.42 + 343.91 = ?
    (1) 688.73 (2) 725.53
    (3) 851.13 (4) 622.23
    (5) None of these

90. ? ÷ 26 × 65 = 1105
    (1) 424 (2) 478
    (3) 456 (4) 442
    (5) None of these

91. 636.66 + 366.36 + 363.33 = ?
    (1) 1366.25
    (2) 1636.35
    (3) 1336.35
    (4) 1363.25
    (5) None of these

92. 9.5 × ? = 267.9
    (1) 31.2 (2) 33.2
    (3) 28.2 (4) 24.2
    (5) None of these

93. 3251 + 6205 + 1109 = ?
    (1) 10545 (2) 11585
    (3) 10525 (4) 11535
    (5) None of these

94. 32 4 × 11.5 × 8.5 = ?
    (1) 3149.5 (2) 3167.1
    (3) 3129.1 (4) 3162.5
    (5) None of these

95. 4 × ? = 9835 ÷ 7
    (1) 315.25 (2) 351.25
    (3) 317.25 (4) 371.25
    (5) None of these

Directions (96– 100) : In the following number series only one number is **wrong**. Find out the **wrong** number.

96. 4 6 18 49 201 1011
    (1) 1011 (2) 201
    (3) 18 (4) 49
    (5) None of these

97. 48 72 108 162 243 366
    (1) 72 (2) 108
    (3) 162 (4) 243
    (5) None of these

98. 2 54 300 1220 3674 7350
    (1) 3674 (2) 1220
    (3) 300 (4) 54
    (5) None of these

99. 8 27 64 125 218 343
    (1) 27 (2) 218
    (3) 125 (4) 343
    (5) None of these

100. 19 68 102 129 145 154
    (1) 154 (2) 129
    (3) 145 (4) 102
    (5) None of these

101. What would be the compound interest obtained on an amount of Rs. 5300 at the rate of 15 p.c.p.a. after 2 years ?
    (1) Rs.1709.25
    (2) Rs.1685.65
    (3) Rs.1804.25
    (4) Rs.1525.65
    (5) None of these

102. A car covers a distance of 690 kms in 30 hours. What is the average speed of the car ?
    (1) 23 kmph (2) 23 kmph
    (3) 20 kmph (4) 18 kmph
    (5) None of these

103. The average age of a man and his son is 40 years. The ratio of their ages is 11 : 5 respectively. What is the son's age ?
    (1) 28 years
    (2) 14 years
    (3) 21 years (4) 32 years
    (5) None of these

104. The difference between 31% of a number and 13% of the same number is 576. What is 17% of that number ?
    (1) 544 (2) 457
    (3) 561 (4) 574
    (5) None of these

105. The average of 5 consecutive even numbers A, B, C, D and E respectively is 74. What is the product of C and E ?
    (1) 5928 (2) 5616
    (3) 5538 (4) 5772
    (5) None of these

106. The owner of a furniture shop charges his customer 28% more than the cost price. If a customer paid Rs. 23,680 for a Dining table set, then what was the original price of the Dining table set ?
    (1) Rs.17500 (2) Rs.15700
    (3) Rs. 16250 (4) Rs.18500
    (5) None of these

107. In an examination it is required to get 1034 of the aggregate marks to pass. A student gets 940 marks and is declared failed by 5% marks. What are the maximum aggregate marks a student can get ?
    (1) 1620 (2) 1880
    (3) 1750
    (4) Cannot be determined
    (5) None of these

108. The total number of students in a school is 6280. If the number of girls in the school is 4405, then what is the respective ratio of the total number of boys to the total number of girls in the school ?
    (1) 20 : 23 (2) 619 : 805
    (3) 66 : 73 (4) 375 : 881
    (5) None of these

109. Ms. Khyati deposits an amount of Rs. 68,100 to obtain a simple interest at the rate of 18 p.c.p.a for 4 years. What total amount will Ms. Khyati get at the end of 4 years?
(1) Rs.1,17,648
(2) Rs.1,10,284
(3) Rs.1,13,334
(4) Rs.116,472
(5) None of these

110. If the fractions $\dfrac{4}{5}, \dfrac{2}{7}, \dfrac{9}{13}, \dfrac{6}{11}$ and $\dfrac{5}{9}$ are arranged in ascending order of their values, which one will be the second?
(1) $\dfrac{6}{11}$ (2) $\dfrac{4}{5}$
(3) $\dfrac{2}{7}$ (4) $\dfrac{5}{9}$
(5) None of these

111. If an amount of Rs. 100541 is distributed equally amongst 53 persons, how much amount would each person get?
(1) Rs.1859   (2) Rs.1725
(3) Rs.1953   (4) Rs.1897
(5) None of these

112. If $(22)^2$ is added to the square of a number, the answer so obtained is 2333. What is the number?
(1) 1849   (2) 33
(3) 1089   (4) 43
(5) None of these

113. The 18% of a number is 59.04. What is 25% of that number?
(1) 76   (2) 82
(3) 68   (4) 91
(5) None of these

114. The cost of 36 Microwaves and 12 Cookers is Rs. 84126. What is the cost of 6 Microwaves and 2 Cookers?
(1) Rs.14021   (2) Rs.15291
(3) Rs.16131
(4) Cannot be determined
(5) None of these

115. There are 3050 employees in an organisation. Out of which 48% got transferred to different places. How many employees got transferred?
(1) 1384   (2) 1628
(3) 1464   (4) 1526
(5) None of these

Directions (116 – 120) : Study the table carefully to answer the questions that follow.

Subject / Student	Maths (out of 150)	English (out of 75)	Science (out of 135)	Hindi (out of 50)	Social Studies (out of 100)	Sanskrit (out of 25)
A	74	68	62	68	81	74
B	64	72	82	68	63	66
C	72	84	78	66	77	70
D	78	82	64	70	69	84
E	82	64	84	72	65	60
F	68	72	74	74	83	80

116. If to pass in the exam, a minimum of 54 marks in English and minimum 93 marks in Science are required, how many students passed the exam?
(1) One   (2) Four
(3) Two   (4) Three
(5) None of these

117. Which student scored the highest marks in all subjects together?
(1) F   (2) E
(3) B   (4) C
(5) None of these

118. What are the average marks obtained by all students together in Hindi? (rounded off to two digits after decimal)
(1) 35.02   (2) 32.68
(3) 31.33   (4) 30.93
(5) None of these

119. What is the overall percentage of marks obtained by F in all subjects together?
(1) 74   (2) 72
(3) 75   (4) 78
(5) None of these

120. What are the total marks obtained by B in Maths and Social Studies together?
(1) 153
(2) 159
(3) 146   (4) 149
(5) None of these

REASONING ABILITY

121. In a certain code DIAMOND is written as EJBNPOE. How is ROUTINE written in that code?
(1) SPVOUJF   (2) SUPVJOF
(3) SPVUJOF   (4) SPVFOJU
(5) None of these

122. 'DA' is related to 'IF' in the same way as 'NK' is related to
(1) SP   (2) PS
(3) PR   (4) SR
(5) TP

123. In a certain code language 'DOME' is written as '8943', and 'MEAL' is written as '4321'. What group of letters can be formed for the code '38249'?
(1) EOADM   (2) MEDOA
(3) EMDAO   (4) EDAMO
(5) MEADO

124. How many such pairs of letters are there in the word ELUSIVE, each of which has as many letters between them in the word as in the English alphabet?
(1) None   (2) One
(3) Two   (4) Three
(5) More than three

125. If S means '–', 'Q' means 'x', R means '÷' and P means '+' then —
1 P 45 R 2 Q 2 S 4 = ?
(1) 40   (2) 42
(3) 36   (4) 46
(5) 38

126. If it is possible to make only one meaningful word with the first, third, fifth and the ninth letters of the word 'CURVATURE', which would be the second letter of the word? If more than one such word can be formed, give X as the answer. If no such word can be formed, give K as your answer.
(1) R   (2) D
(3) X   (4) I
(5) K

127. Each vowel in the word SURROUND is changed to the previous letter in the English alphabet and each consonant is changed to the next letter in the

English alphabet. Which of the following will be the second from ... ?

... ?

(1) S   (2) ?
(3) S   (4) O
(5) E

128. The positions of how many digits will remain the same if the digits in the number 97215386 are rearranged in the descending order ?
(1) None   (2) One
(3) Two   (4) Three
(5) More than three

129. What should come next in the following letter series ?
A D F I K N P S U ?
(1) W   (2) X
(3) Y   (4) Z
(5) V

130. The positions of the first and second digits of the number 45739862 are interchanged. Similarly, the positions of the third and the fourth digits are interchanged and so on. Which of the following will be the sixth digit from the left end, after the rearrangement ?
(1) 6   (2) 8
(3) 9   (4) 2
(5) 7

Directions (131 – 136) : 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 from 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.

131. **Statements :**
All metals are silver.
All silver are diamonds.
Some diamonds are gold.
Some gold are marbles.
Conclusions :
I. Some gold are metals.
II. All metals are diamonds.
III. Some silver are marbles.
IV. Some gold are silver.
(1) Only I follows
(2) Only II follows
(3) Only III follows
(4) Only IV follows
(5) None follows

132. **Statements :**
Some carpets are books.
... pens.
... are cartons.
All cartons are notebooks.
Conclusions :
I. Some cartons are carpets.
II. Some cartons are books.
III. Some pens are carpets.
IV. Some notebooks are pens.
(1) Only I and II follow
(2) Only II and III follow
(3) Only III and IV follow
(4) Only I and III follow
(5) None of these

133. **Statements :**
Some paints are bottles.
Some bottles are brands.
Some brands are colours.
All colours are erasers.
Conclusions :
I. Some paints are brands.
II. Some erasers are bottles.
III. Some erasers are brands.
IV. Some bottles are colours.
(1) None follows
(2) Only III follows
(3) Only II and IV follow
(4) Only IV follows
(5) Only I, II and III follow

134. **Statements :**
Some boxes are triangles.
All spheres are triangles.
All circles are boxes.
All triangles are quadrilaterals.
Conclusions :
I. Some quadrilaterals are boxes.
II. Some quadrilaterals are triangles.
III. Some triangles are spheres.
IV. No circle is quadrilateral.
(1) Only I follows
(2) Only II follows
(3) Only I, II and III follow
(4) Only III follows
(5) All follow

135. **Statements :**
All plastics are trees.
Some trees are buildings.
Some buildings are windows.
Some windows are papers.
Conclusions :
I. Some papers are plastics.
II. Some buildings are papers.
III. No paper is tree.
IV. Some trees are windows.

(1) Only I follows
(2) Only II follows
(3) Only I and IV follow
(4) Only III follows
(5) None follows

136. **Statements :**
All rings are phones.
All phones are spoons.
Some phones are files.
All files are covers.
Conclusions:
I. Some files are rings.
II. Some covers are spoons.
III. Some spoons are phones.
IV. Some rings are covers.
(1) Only II and IV follow
(2) Only I, II and III follow
(3) Only I and II follow
(4) Only II and III follow
(5) None follows

Directions (137-140): Following questions are based on the five three digit numbers given below :
562   87   1 438   .   753   384

137. What will be the product of the first and the second digits of the highest number ?
(1) 56   (2) 50
(3) 45   (4) 38
(5) 36

138. If '2' is subtracted from the first digit in each number and '1 is added to the third digit in each number and then if the positions of the first and third digits in each number are interchanged, then which of the following number will be the second lowest?
(1) 562   (2) 87]
(3) 753   (4) 438
(5) 384

139. if the positions of the first and the third digits of each of the numbers are interchanged, which of the following will be the sum of the first and the second digits of the third highest number ?
(1) 9   (2) 7
(3) 6   (4) 8
(5) 5

Directions (140 - 145): In each question below is given a group of letters followed by four combinations of digits/symbols numbered (1), (2), (3) and (4). You have to find out which of the combinations correctly represents the group of letters based on the following coding system and the condi-

Letters	C	M	V	T	U	X	F	E	Z	A	S	R	B	W	I
Number/Symbol Code	%	5	9	2	8	$	©	7	6	@	3	4	★	1	#

Conditions:

(i) If the first letter is a consonant and the last letter is a vowel, their codes are to be interchanged.

(ii) If the second as well as fourth letter is a consonant, each one is to be coded as the code for the letter 'M'.

(iii) If both the first and the last letters are vowels, then each one is to be coded as '£'.

140. FETMBU
(1) 2758★©
(2) ©★7258
(3) ©725★8
(4) 8725★©
(5) None of these

141. WZMISB
(1) ★65#31 (2) 165#3★
(3) 1563★# (4) 15★#63
(5) None of these

142. WRCTBV
(1) 95%5★1 (2) 15%5★9
(3) 14%2★9 (4) 12%4★9
(5) None of these

143. SZIETA
(1) 36#72@ (2) @6723#
(3) 36#7@2 (4) @6#723
(5) None of these

144. CXAERF
(1) %$@74© (2) %$7@4©
(3) %$47@© (4) %$©47@
(5) None of these

145. EXWIRA
(1) 7$1#4@ (2) £$1#4£
(3) @$1#47 (4) £$14#£
(5) None of these

Directions (146 – 150) : Study the following arrangement carefully and answer the questions given below :

N C 4 A 3 7 © S V ★ Q E 8 2 @ ★ Z β 9 Σ F W U M 1 5 I & + $ K L Y

146. How many such consonants are there in the above arrangement, each of which is immediately preceded by a letter and immediately followed by a vowel ?
(1) None (2) One

(3) Two (4) Three
(5) More than three

147. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that **does not** belong the that group ?
(1) 4 3 S (2) C A ©
(3) @ Z I (4) & $ Y
(5) S Q 8

148. Which of the following is the second to the left of the tenth from the right end of the above arrangement ?
(1) W (2) F
(3) U (4) M
(5) None of these

149. How many such numbers are there in the above arrangement, each of which is immediately preceded by a number and not immediately followed by a letter?
(1) None (2) One
(3) Two (4) Three
(5) More than three

150. If all the symbols are letters from the above arrangement are dropped, which of the following will be the sixth from the right er **i** of the above arrangement ?
u) 9 (2) 8
(3) 4 (4) 7
(5) 3

Directions (151 - 155): Study the following information carefully and answer the questions given below :

A s opkeeper placed eight varieties u. **3th** pieces of different colours viz. brown, pink, green, white, blue, violet, black and yellow, in a row such that blue cloth is placed fifth from the left end. Green is placed to the extreme right. White cloth is to the sec-

ond to the left of blue. Violet cloth is exactly in between blue and while. Black is sixth to the left of green and fourth to the left of brown. Pink is not the third to the right of violet.

151. Which colour cloth is placed fifth to the left of yellow ?
(1) Violet (2) Brown
(3) Green (4) White
(5) None of these

152. Which of the following is definitely **true ?**
(1) Green cloth is second to the right of yellow.
(2) White cloth is placed fifth to the left of brown.
(3) White cloth is placed exactly in between violet and black.
(4) Pink cloth occupies second position from the left end.
(5) All are true.

153. Which colour cloth is third to the left of Brown ?
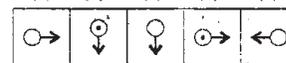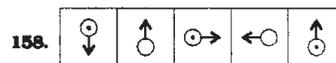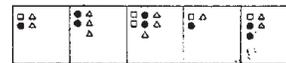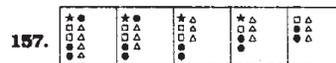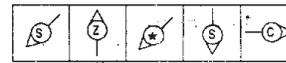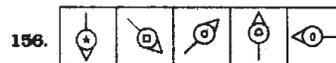(1) Yellow (2) Blue
(3) Green (4) White
(5) Pink

154. Which of the following is the correct position of Yellow with respect to Pink ?
(1) Sixth to the right
(2) Sixth to the left
(3) Fifth to the right
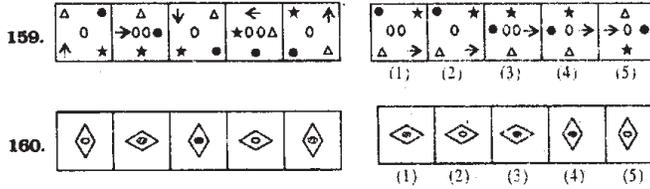(4) Fourth to the left
(5) Fifth to the left

155. In which of the following is the first colour placed in between the second and the third colours? . j;
(1) Pink, Violet arid White
(2) Blue, Brown and Yellow
(3) Brown, Blue and Yellow
(4) Blue, Black and White,
(5) Yellow, Green and Blue

Directions (156-160): In each of the questions given below which one of the following answer figures on the right should come after the problem figures on the left, if the sequence were continued ?

Problem Figures

Answer Figures

159.

160.

MARKETING APTITUDE/COMPUTER KNOWLEDGE

161. Lever Bros, markets a number I of different brands of laundry detergents including Radion. Persil Power, Persil Colour and Surf. Each of these specific versions of laundry detergents can be described as:
(1) a product item
(2) a product line
(3) a core product
(4) a mix item
(5) None of these

162. A brand name is one of the elements of the
(1) core product
(2) actual product
(3) augmented product '
(4) All of the above
(5) None of these

163. Procter & Gamble makes at least eight different detergents This illustrates:
(1) product mix width
(2) product mix consistency
(3) product mix depth
(4) market item width
(5) None of these

164. A product item can be best described as a
(1) component of a marketing mix.
(2) particular type of brand.
(3) specific characteristics of a company's product.
(4) specific version of a product.
(5) None of these

165. A group of closely related product items that are considered to be a unit because of marketing, technical, or end use consider ations is a product
(1) category.
(2) dimension.
(3) extension.
(4) line.
(5) None of these '

166. The depth of a product mix is measured by the average number of

(1) convenience products as compared with the number of spedaily products.
(2) different product lines offered by the company,
(3) different products offered in each product line.
(4) specialty products as compared with the number of convenience products
(5) None of these

167. Beatrice Company markets such diverse products as Rosarita Mexican foods Samsonite luggage. These various offerings exhibit Beatrice's product mix
(1) width.   (2) depth.
(3) length   (4) volume
(5) None of these

168. Aggressive pricing is typical cluring the _____ stage of the product life cycle.
(1) decline   (2) growth
(3) introduction (41 plateau
(5) None of these

169. Sales usually start to decline _____; _____ of the product life cycle.
(1) at the beginning of the termlnation stage
(2) at the end of the growth stage
(3) at the beginning of the decline stage
(4) during the maturity stage
(5) None of these

170. An ad that stresses "Demand the real Lucas Wine. Cooler; accept no substitutes! * ir best geared for which stage of the product life cycle?
(1) Introduction
(2) Growth
(3) Maturity
(4) Decline
(5) None of these

171. Persil is the best selling laundry detergent in the UK. When Lever Bros, used the Persil brand

name for its washing up liquid it was adopting _____ policy.
(1) an individual branding
(2) an overall family branding
(3) a line family branding
(4) a brand extension branding
(5) None of these

172. Firms that use _____ are less likely to damage their reputations if a new product fails.
(1) individual branding
(2) overall family branding
(3) line family branding
(4) brand extension branding
(5) None of these

173. Which of the following is NOT a desirable feature for a brand name?
(!) it can facilitate the introduction of new products
(2) it can become used as the generic name for all products fail the category
(3) It can make it possible for the firm to engage in non price competition
(4) it can help develop brand loyalty amongst buyers
(5) None of these

174. Which of the following is an example of a manufacturers brand?
(1) Sainsbury wines
(2) Matsui televisions
(3) Yesstca dresses
(4) Plymo lavnmowers
(f·i None of these

175. Andrex toilet tissue is a _____ for Kin. berly Scott Corporation.
(1) trade n::me
(2) trade mark
(3) brand r«ame
(4) brand mark
(5) None: of these

176. The Nike swoosh that is prominent on all of the firm's packaging, products, and advertising is

(2) trade mark
(3) brand name
(4) brand mark
(5) None of these

177. Own label brands are initiated and owned by
(1) manufacturers only.
(2) manufacturers and retailers.
(3) wholesalers only.
(4) vholesalers or retailers.
(5) None of these

178. The major characteristic of own label brands is that
(1) only retailers initiate and own the brand.
(2) manufacturers are not identified on the product.
(3) producers become involved with the marketing mix.
(4) producers are identified on the product.
(5) None of these

179. At one time, generic brands represented about 10 percent of all retail groceiy sales. Today they account for
(1) considerably less.
(2) considerably more.
(3) about the same.
(4) Both (1) and (2)
(5) None of these

180. Dakotah. a South Dakota-based producer and marketer of fine home furnishings, authorized Dan River Mills to produce and market a line of sheets under the Dakotah name. This arrangement is an example of
(1) brand extension.
(2) brand licensing.
(3) family branding
(4) individual branding.
(5) None of these

181. Which is not a kind of printer ?
(1) Line printer (2) Laser
(3) Dot matrix
(4) All are printers
(5) None of these

182. For security we should consider_____in internet.
(1) Local data reduction
(2) Event correction
(3) Low resource utilisation
(4) All of the above
(5) None of these

183. Which of the following is not a peripheral of PC ?
(1) CPU
(2) OS
(3) VDU
(4) Touch screen
(5) None of these

184. The most common input device used today is_____.
(1) Motherboard (2) VDU
(3) Keyboard (4) 1C chip
(5) None of these

185. The third generation of the computer were in

(1) 1959 -.1904
(2) 1905 -1971
(3) 1971-1981
(4) All of the above
(5) None of these

186. MS-DOS is a
(1) Single - user operating system
(2) Multi-user operating system
(3) Multi- tasking operating system
(4) All of the above
(5) None of these

187. Which of the following is a component of lnternet ?
(1) Routers to strengthen the attenuated singles
(2) Repeaters to establish physical connection between various LAN's
(3) Gateways to allow a network to use the resource, of another main frame
(4) Bridges to optimise the transmission path of messages
(5) None of these

188. Which of the following cannot be shared ?
(1) Printer (2) Scanner
(3) Plotter (4) Mouse
(5) None of these

189. What is EDI ?
(1) Electronic distant interface
(2) Electronic development interface
(3) Electronic data interface
(4) Electronic data interchange
(5) None of these

190. Which of the following is the fastest?
(1) Tapes (2) Hard disk
(3) Floppy disks
(4) CDs
(5) None of these

191. Which of the following is a network where a huge computer does all computing and front end PCs are dumb terminals ?
(1) Mainframes
(2) Client Server
(3) Master Slave
(4) Internet
(5) None of these

192. A modem that cannot be moved from its position is called
(1) Intelligent Modem
(2) Acoustic coupler
(3) Direct connect
(4) Fixed modem
(5) None of these

193. A device that receives data from slow speed devices, and transmits it to different locations is called ?
(1) Remote concentrator
(2) Message switcher
(3) Front end processor
(4) Demux
(5) None of these

194. Organisation would prefer in house development of software to
(1) Ensure that the development adhere to defined quality
(2) Maintain vendor relations
(3) Use the technology that is being widely used for development
(4) All of the above
(5) None of these

195. Which of the following is NOT a feature of PC ?
(1) Actual intelligence
(2) Accuracy (3) Speed
(4) High storage
(5) None of these

196. What is a "Frame Relay" ?
(1) A virtual circuit
(2) Network used to send anaglog information such as voice and data
(3) Network that uses two OSI protocol layers as against three used in X.25
(4) All of the above
(5) None of these

197. Microsoft excel is versatile ____ program.
(1) File transfer
(2) Application
(3) Spread sheet
(4) Both (2) and (3)
(5) None of these

198. System flowcharts show :
(1) Relationship that link the input, processing and output of the system
(2) Evaluate and describe internal control within the process
(3) Illustrate the sequence of logical operations performed by a computer while executing a program
(4) Depict the arrangement of hardware components in a computer system
(5) None of these

199. Why is the penetration Testing done?

(1) To make the top management aware of the security issues

(2) To test instruction detection and response capabilities

(3) To help in decision making process

(4) To identifying the systems to be tested

(5) None of these

200. "Platform" in computer world means

(1) Computer hardware used

(2) Operating Systems used

(3) Both of these

(4) Computer Software used

(5) None of these

125. (2) 126. (3) 127. (4) 128. (4)
129. (2) 13Q. (3) 131. (2) 132. (3)
133. (2) 134. (3) 135. (5) 136. (4)
137. (1) 138. (4) 139. (4) 140. (4)
141. (2) 142. (2) 143. (4) 144. (1)
145. (2) 146. (2) 147. (5) 148. (1)
149. (3) 150. (4) 151. (5) 152. (3)
153. (4) 154. (1) 155. (3) 156. (1)
157. (5) 158. (3) 159. (3) 160. (3)
161. (1) 162. (2) 163. (3) 164. (4)
165. (4) 166. (3) 167. (1) 168. (2)
169. (4) 170. (2) 171. (4) 172. (1)
173. (2) 174. (4) 175. (3) 176. (4)
177. (4) 178. (3) 179. (1) 180. (2)
181. (4) 182. (4) 183. (2) 184. (1)
185. (2) 186. (1) 187. (3) 188. (4)
189. (3) 190. (2) 191. (1) 192. (4)
193. (1) 194. (1) 195. (1) 196. (3)
197. (4) 198. (1) 199. (4) 200. (3)

EXPLANATIONS

1. (5) All A, B and C
2. (1) 14.7
3. (4) Dilma Rousseff
4. (5) All are true
5. (5) All are true
6. (2) Clean and energy efficient technology, product and services
7. (2) Office 365
8. (4) Prithviraj Chavan
9. (3) 1992
10. (4) Chetan E Chitnis
11. (3) Alexandria Mills
12. (1) SAIL
13. (3) 73
14. (4) 85
15. (1) RituBeri
16. (1) Indira Nooyi
17. (3) Geoff Pyatt
18. (3) March 5. 2003
19. (3) Justice SU Khan rejected the claims of Muslims on the ground that Babri Masjid has been built against the tenets of Islam and therefore could not be treated as mosque.
20. (1) Peruvian-Spanish
21. (4) Ramakrishna
22. (2) According to Justice SU Khan, the claims of the Sunnl Wakf Board and the Nirmohi Akhara are time barred.

23. (1) LiuXiaobo
24. (3) Salman Khurshid
25. (1) Justice Palak Basu
26. <3) Christopher Rssarides
27. (2) 7 November, 2010
28. (4) Mahant Paramhans Ramchandra
29. (3) China
30. (4) All of the above
31. (1) ₹ 8,846 crore
32. (3) 9.7
33. (5) All (A), (B) and (C) are true
34. (5) All are correct
35. (2) N Kiran Kumar Reddy
36. (4) Justin Bieber
37. (2) Rasik Ravindra
38. (4) Poland
39. (4) Sportswoman of the Year - Deepika Kumari
40. (3) Salman Rushdie
41. (1) Only A
42. (4) All A, B and C
43. (3) The report mentioning that only a small percentage of graduates were employable in software industry
44. (4) As in these sectors, commercial organisations should also be allowed to enter the education sector
45. (2) The commercialisation of education has already started in India
46. (1) To suggest the ways to improve quality of education in India
47. (2) Creation of autonomous institutes for management and technology which were not under university control
48. (4) To provide freedom to decide on recruitment, salaries and admissions
49. (5) All are true
50. (1) The meaning of the word **Devious (Adjective)** as used in the passage is : behaving in a dishonest or indirect way, or tricking people in order to get something; deceitful; underhand. **Look at the sentence :** He got rich by devious means. Hence, the words **devious** and **dishonest** are synonymous.
51. (3) The meaning of the word **Measure (Noun)** as used in the passage is : an official action that is done in order to achieve a particular aim; step.

ANSWERS

1. (5)   2. (1)   3. (4)   4. (5)
5. (5)   6. (2)   7. (2)   8. (4)
9. (3)   10. (4)   11. (3)   12. (1)
13. (3)   14. (4)   15. (1)   16. (1)
17. (3)   18. (3)   19. (3)   20. (1)
21. (4)   22. (2)   23. (1)   24. (3)
25. (1)   26. (3)   27. (2)   28. (4)
29. (3)   30. (4)   31. (1)   32. (3)
33. (5)   34. (5)   35. (2)   36. (4)
37. (2)   38. (4)   39. (4)   40. (3)
41. (1)   42. (4)   43. (3)   44. (4)
45. (2)   46. (1)   47. (2)   48. (4)
49. (5)   50. (1)   51. (3)   52. (2)
53. (5)   54. (2)   55. (2)   56. (3)
57. (2)   58. (3)   59. (4)   60. (3)
61. (5)   62. (1)   63. (2)   64. (4)
65. (3)   66. (5)   67. (2)   68. (4)
69. (3)   70. (1)   71. (2)   72. (4)
73. (1)   74. (3)   75. (5)   76. (3)
77. (2)   78. (5)   79. (4)   80. (5)
81. (2)   82. (5)   83. (4)   84. (1)
85. (1)   86. (1)   87. (4)   88. (3)
89. (1)   90. (4)   91. (5)   92. (3)
93. (5)   94. (2)   95. (2)   96. (3)
97. (5)   98. (1)   99. (2)   100. (4)
101. (1) 102. (2) 103. (5) 104. (1)
105. (4) 106. (4) 107. (2) 1Q8. (4)
109. (1) 110. (1) 111. (4) 112. (4)
113. (2) 114. (1) 115. (3) 116. (3)
117. (4) 118. (5) 119. (3) 120. (2)

Look at the sentence :

The government must take toftgh measures to combat crime .

Hence, the words **measures** and **steps** are synonymous.

52. (2) The meaning of the word **Bridge (Verb)** as used in the passage is : to reduce or get rid of the differences that exist between two things.

The word **Eliminate (Verb)** means : to remove or get rid of the something/somebody.

Look at the sentence :

Credit cards eliminate the need to carry a lot of cash.

Hence, the words **bridge** and **eliminate** are synonymous.

53. (5) The meaning of the word **Promote (Verb)** as used in the passage is : to help something to happen or develop; encourage.

The word **Hamper (Verb)** means ; to prevent somebody from easily doing or achieving something; hinder.

Hence, the words **promoting** and **hampering** are anlonymous.

54. (2) The meaning of the word **Noteworthy (Adjective)** as used in the passage is : deserving to be noticed or to receive attention because it is important: significant.

Hence, the words **noteworthy** and **insignificant** are antonymous.

55. (2) The meaning of the word **Transparent (Adjective)** as used in the passage is : obvious; allowing you to see the truth easily; easy to understand.

The word **Opaque (Adjective)** means : difficult to understand; not clear; impenetrable.

Hence, the words **transparent** and **opaque** are antcirymous.

56. (3) There are two possibilities in future. Hence, the first possible event should be expressed in Simple Present. Hence, replace 'if I have recovered' by if I recover.

57. (2) In Indirect statement, if Reporting Verb Past Tense then the verb is in of Reported Speech will also be in Past Tense. Hence, that the taxes would be .... a correct usage.

58. (3) It is improper to use Article

'the', There is discussion of only one person and no two articles are needed.

5 9 . (4) When we use Neither... nor, the verb agrees with the number/ person of the noun/pronoun used after 'nor.

Hence, knowledge was required ......wilt be correct usage.

6 0 . (ft) Here, the Reporting Verb is ir. Past Tense, Hence, replace 'rains and thunderstorm may' by 'rains and thunderstorm might',

6 1 . (5) No correction required

6 2 . (1) it will be proper to use an infinitive.

6 3 . (2) so as to catch' should be used.

6 4 . (4) The structure of sentence in Present Perfect is :

Subject + has/have + V.

6 5 . (3) The word 'abstract' is an Adjective. Hence 'Instead of teaching abstract' should be used.

66. (5) C　　**67.** (2) B

68. (4) E　　**69.** (3) D

70. (1) A

71. (2) rises

72. (4) necessity

73. (1) prevents

74. (3) associated

75. (5) contribute

76. (3) regarded　**77.** (2) impacts

78. (5) raised　　**79.** (4) working

80. (5) reluctant

81. (2) $? = \dfrac{341 \times 38}{100} = 129.58$

82. (5) $? = 38649 - 1624 - 4483$
$= 32542$

83. (4) $? = \dfrac{32}{5} \div \dfrac{704}{25}$

$= \dfrac{32}{5} \times \dfrac{25}{704} = \dfrac{5}{22}$

84. (1) $? = 318 \times 23 - 1465$
$= 7314 - 1465 = 5849$

85. (1) $? = \dfrac{2205}{14 \times 2.5} = 63$

86. (1) $\dfrac{44616}{\sqrt{?}} = 143 \times 6$

$\Rightarrow \sqrt{?} = \dfrac{44616}{143 \times 6} = 52$

$\therefore ? = 52 \times 52 = 2704$

87. (4) $? = 9.4 \times 2.5 \times 9.7 - 29.26$
$= 227.95 - 29.26 = 198.69$

88. (3) $? = 8^3 \times 3^3 - 21^2$
$= 512 \times 27 - 441$
$= 13824 - 441 = 13383$

89. (1) $? = 538.24 - 193.42 + 343.91$
$= 688.73$

90. (4) $\dfrac{?}{26} \times 65 = 1105$

$\Rightarrow ? = \dfrac{1105 \times 26}{65} = 442$

91. (5) $? = 636.66 + 366.36 + 363.33$
$= 1366.35$

92. (3) $? = \dfrac{267.9}{9.5} = 28.2$

93. (5) $? = 3251 + 6205 + 1109$
$= 10565$

94. (2) $? = 32.4 \times 11.5 \times 8.5$
$= 3167.1$

95. (2) $4 \times ? = \dfrac{9835}{7}$

$\Rightarrow ? = \dfrac{9835}{4 \times 7} = 351.25$

96. (3) $4 \times 1 + 2 = 4 + 2 = 6$

$6 \times 2 + 3 = 12 + 3 = 15 \neq \boxed{18}$

$15 \times 3 + 4 = 45 + 4 = 49$

$49 \times 4 + 5 = 196 + 5 = 201$

$201 \times 5 + 6 = 1005 + 6 = 1011$

97. (5) $48 \times \dfrac{3}{2} = 72; 72 \times \dfrac{3}{2} = 108$

$108 \times \dfrac{3}{2} = 162; 162 \times \dfrac{3}{2} = 243$

$243 \times \dfrac{3}{2} = 364.5 \neq \boxed{366}$

98. (1) $2 \times 6 + 7 \times 6 = 12 + 42 = 54$
$54 \times 5 + 6 \times 5 = 270 + 30 = 300$
$300 \times 4 + 5 \times 4 = 1200 + 20 = 1220$
$1220 \times 3 + 4 \times 3 = 3660 + 12$
$= 3672 \neq \boxed{3674}$
$3672 \times 2 + 3 \times 2 = 7344 + 6 = 7350$

99. (2) $2^3 = 8 : 3^3 = 27$
$4^3 = 64 : 5^3 = 125$
$6^3 = 216 \neq \boxed{218}$
$7^3 = 343$

100. (4) $19 + 7^2 = 19 + 49 = 68$
$68 + 6^2 = 68 + 36$

$= 104 \neq \boxed{102}$

$104 + 5^2 = 104 + 25 = 129$
$129 + 4^2 = 129 + 16 = 145$
$145 + 3^2 = 145 + 9 = 154$

101. (1) $CI = P\left[\left(1 + \dfrac{R}{100}\right)^T - 1\right]$

$= 5300\left[\left(1 + \dfrac{15}{100}\right)^2 - 1\right]$

$= 5300\left[(1.15)^2 - 1\right]$

$= 5300\,(1.3225 - 1)$
$= 5300 \times 0.3225$
$= Rs.\ 1709.25$

102. (2) Average speed of car

$= \dfrac{\text{Distance covered}}{\text{Time taken}}$

$= \left(\dfrac{690}{30}\right) kmph = 23\ kmph$

103. (5) Let the ages of the man and his son be $11x$ years and $5x$ years respectively.
According to the question,
$11x + 5x = 2 \times 40$
$\Rightarrow 16x = 80$

$\Rightarrow x = \dfrac{80}{16} = 5$

$\therefore$ Son's age $= 5x = 5 \times 5$
$= 25$ years

104. (1) Let the number be x.
According to the question,
$(31 - 13)\%$ of $x = 576$

$\Rightarrow \dfrac{x \times 18}{100} = 576$

$\Rightarrow x = \dfrac{576 \times 100}{18} = 3200$

$\therefore$ 17% of 3200

$= \dfrac{3200 \times 17}{100} = 544$

105. (4) Let the five consecutive even numbers be : $x, x + 2, x + 4, x + 6$ and $x + 8$
$\therefore x + x + 2 + x + 4 + x + 6 + x + 8$
$= 74 \times 5$
$\Rightarrow 5x + 20 = 370$
$\Rightarrow 5x = 370 - 20 = 350$

$\Rightarrow x = \dfrac{350}{5} = 70$

$\therefore A = 70, C = 70 + 4 = 74$ and E
$= 70 + 8 = 78$
$\therefore C \times E = 74 \times 78 = 5772$

$\boxed{\textbf{OR}}$

Average of five consecutive even numbers = 74
$\therefore$ Third number (C) = 74
and fifth number (E) = 78
$\therefore C \times E = 74 \times 78 = 5772$

106. (4) Let the cost price of the dining table be Rs. x.
According to the question,
128% of $x = 23680$

$\Rightarrow x \times \dfrac{128}{100} = 23680$

$\Rightarrow x = \dfrac{23680 \times 100}{128} = Rs.\,18500$

107. (2) Let the total maximum marks be x.
According to the question,
5% of $x = 1034 - 940$

$\Rightarrow \dfrac{x \times 5}{100} = 94$

$\therefore x = \dfrac{94 \times 100}{5} = 1880$

108. (4) Total number of students in the school = 6280
Number of girls = 4405
$\therefore$ Number of boys = 6280 − 4405
= 1875
$\therefore$ Required ratio = 1875 : 4405
= 375 : 881

109. (1) $SI = \dfrac{\text{Principal} \times \text{Time} \times \text{Rate}}{100}$

$= \dfrac{68400 \times 4 \times 18}{100} = Rs.\ 49248$

$\therefore$ Required amount
$= Rs.\ (68400 + 49248)$
$= Rs.\ 117648$

110. (1) Decimal equivalent of fractions :

$\dfrac{4}{5} = 0.8\ ;\ \dfrac{2}{7} = 0.286\ ;$

$\dfrac{9}{13} = 0.692\ ;\ \dfrac{6}{11} = 0.545\ ;$

$\dfrac{5}{9} = 0.55$

Clearly, $\dfrac{2}{7} < \dfrac{6}{11} < \dfrac{5}{9} < \dfrac{9}{13} < \dfrac{4}{5}$

$\therefore$ Other fraction $= \dfrac{6}{11}$

111. (4) Amount received by each person

$= Rs.\ \left(\dfrac{100541}{53}\right) = Rs.\ 1897$

112. (4) Let the number be x.
According to the question,
$x^2 + 22^2 = 2333$
$\Rightarrow x^2 + 484 = 2333$
$\Rightarrow x^2 = 2333 - 484 = 1849$

$\Rightarrow x = \sqrt{1849} = 43$

113. (2) Let the number be x.

$\Rightarrow \dfrac{x \times 18}{100} = 59.04$

$\Rightarrow x = \dfrac{59.04 \times 100}{18} = 328$

$\therefore$ 25% of $328 = 328 \times \dfrac{1}{4} = 82$

114. (1) Let the CP of 1 microwave be Rs. x and that of 1 cooker be Rs. y.
According to the question,
$36x + 12y = 84126$
Dividing both sides by 6,
$6x + 2y = 84126 \div 6 = Rs.\ 14021$

115. (3) Number of employees transferred = 48% of 3050

$= \dfrac{3050 \times 48}{100} = 1464$

116. (3) Percentage of minimum marks obtained (54) in English

$= \dfrac{54}{75} \times 100 = 72$

Percentage of minimum marks obtained (93) in Science

$= \dfrac{93}{125} \times 100 = 74.4$

Clearly, two students B and C passed in the examination.

117. (4) C

118. (5) Marks obtained by all the students together in Hindi
$= 34 + 34 + 33 + 35 + 36 + 37$
$= 209$

$\therefore$ Required average $= \dfrac{209}{6}$

$= 34.83$

119. (3) Total marks obtained by F
$= 388.5$

Sum of maximum marks
= 150 + 75 + 125 + 50 + 100 + 25 = 525
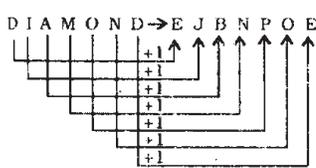∴ Required per cent
$$= \frac{388.5}{525} \times 100 = 75$$

120. (2) Marks obtained by B in Maths
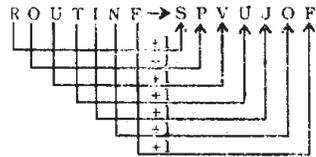$$= 150 \times \frac{64}{100} = 96$$

Marks obtained by B in Social Studies = 63
∴ Required total = 96 ÷ 63 = 159

121. (3)

D I A M O N D → E J B N P O E

+1
+1
+1
+1
+1
+1

Similarly

R O U T I N E → S P V U J O F

+1
+1
+1
+1
+1
+1

122. (1) D $\xrightarrow{+5}$ I   N $\xrightarrow{+5}$ S
A $\xrightarrow{+5}$ F   K $\xrightarrow{+5}$ P

123. (4)
D	O	M	E		M	E	A	L
↓	↓	↓	↓		↓	↓	↓	↓
8	9	4	3		4	3	2	1

Therefore,

3	8	2	4	9
↓	↓	↓	↓	↓
E	D	A	M	O

124. (3)
5	12	21	19	9	22	5
E	L	U	S	I	V	E

125. (2) 1 + 45 ÷ 2 × 2 − 4 = ?
$$\Rightarrow ? = 1 + \frac{45}{2} \times 2 - 4$$
$$\Rightarrow 1 + 45 - 4 = 42$$

126. (3)
1	2	3	4	5	6	7	8	9
C	U	R	V	A	T	U	R	E

Meaningful Words ⇒ CARE, RACE

127. (4)
S U R R O U N D
+1 −1 +1 +1 −1 −1 +1 +1
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
T T S S N T O E

128. (4)
| 9 | 7 | 2 | 1 | 5 | 3 | 8 | 6 |
| 9 | 8 | 7 | 6 | 5 | 3 | 2 | 1 |

129. (2)
A $\xrightarrow{+3}$ D $\xrightarrow{-2}$ F $\xrightarrow{+3}$ I $\xrightarrow{+2}$
K $\xrightarrow{+3}$ N $\xrightarrow{-2}$ P $\xrightarrow{+3}$ S $\xrightarrow{+2}$
U $\xrightarrow{+3}$ X

130. (3) According to question

5 4 3 7 8 9 2 6

6th from left

(131 – 136)
(i) All metals are silver → Universal Affirmative (A-type).
(ii) Some diamonds are gold → Particular Affirmative (I-type)
(iii) No paper is tree → Universal Negative (E-type)
(iv) Some papers are not trees → Particular Negative (O-type).

131. (2) All metals are silver.

All silver are diamonds.
A + A ⇒ A – type of Conclusion
"All metals are diamonds".
It is Conclusion II.

132. (3) Some carpets are books.

All books are pens.
I + A ⇒ I – type of Conclusion
"Some carpets are pens".
Conclusion III is Converse of it.

Some pens are cartons.

All cartons are notebooks.
I + A ⇒ I – type of Conclusion
"Some pens are notebooks".
Conclusion IV is Converse of it.

133. (2) Some brands are colours.

All colours are erasers.
I + A ⇒ I – type of Conclusion
"Some brands are erasers".
Conclusion III is Converse of it.

134. (3) Some boxes are triangles.

All triangles are quadrilaterals.
I + A ⇒ I – type of Conclusion
"Some boxes are quadrilaterals".
Conclusion I is Converse of it.
Conclusion II is Converse of the fourth Premise.
Conclusion III is Converse of the second Premise.

All spheres are triangles.

All triangles are quadrilaterals
A + A ⇒ A – type of Conclusion
"All spheres are quadrilaterals".

135. (5) All plastics are trees.

Some trees are buildings.
A + I ⇒ No Conclusion

136. (4) All rings are phones.

All phones are spoons.
A + A ⇒ A – type of Conclusion
"All rings are spoons"

Some files are phones.

All phones are spoons.
I + A ⇒ I – type of Conclusion
"Some files are spoons".

Some spoons are files.

All files are covers.
I + A ⇒ I – type of Conclusion
"Some spoons are covers".
Conclusion II is Converse of it.
Conclusion III is Converse of the second Premise.

137. (1) The highest number ⇒ 871
8 × 7 = 56

138. (4) 562 ⇒ 363 ; 871 ⇒ 672 ;
438 ⇒ 239 ;
753 ⇒ 554 ; 384 ⇒ 185
Second lowest number
⇒ 239 ⇒ 438

139. (4) 562 ⇒ 265 ; 871 ⇒ 178 ;
438 ⇒ 834 ;
753 ⇒ 357 ; 384 ⇒ 483
Third highest number ⇒ 357
3 + 5 = 8

140. (4) F E T M B U
↓ ↓ ↓ ↓ ↓ ↓
8 7 2 5 ★ ©
Condition (i) is applicable.

141. (2) W Z M I S B
↓ ↓ ↓ ↓ ↓ ↓
1 6 5 # 3 ★

142. (2) W R C T B V
↓ ↓ ↓ ↓ ↓ ↓
1 5 % 5 ★ 9
Condition (ii) is applicable.

143. (4) S Z I E T A
↓ ↓ ↓ ↓ ↓ ↓
@ 6 # 7 2 3
Condition (i) is applicable.

144. (1) C X A E R F
↓ ↓ ↓ ↓ ↓ ↓
% $ @ 7 4 ©

145. (2) E X W I R A
↓ ↓ ↓ ↓ ↓ ↓
£ $ 1 # 4 £
Condition (iii) is applicable.

146. (2) | Letter | Consonant | Vowel |

There in only such combination :

FWU

147. (5) $4 \xrightarrow{+2} 3 \xrightarrow{+3} S$

$C \xrightarrow{+2} A \xrightarrow{+3} ©$

$@ \xrightarrow{+2} Z \xrightarrow{+3} \Sigma$

$\& \xrightarrow{+2} \$ \xrightarrow{+3} Y$

$S \xrightarrow{+3} Q \xrightarrow{+2} 8$

148. (1) 2nd to the left of the 10th from the right end means 12th from the right end ⇒ W.

149. (3)

| Number | Number | Number or Symbol |

Such combinations are :

37© , 82@ .

150. (4) According to question, the new sequence would be :

4 3 [7] 8 2 9 1 5

6th from the right end

(151 – 155)

| L E F T | Pink | Black | White | Violet | Blue | Brown | Yellow | Green | R I G H T |

151. (5) Black colour cloth is placed fifth to the left of Yellow colour cloth.

152. (3) White cloth is placed exactly in between Violet and Black.

153. (4) White cloth is third to the left of Brown.

154. (1) Yellow is sixth to the right of Pink.

155. (3) Brown is placed in between Blue and Yellow.

156. (1) In the subsequent figures the design rotates through 45° and 90° anticlockwise alternately and the smaller design is replaced with a new design in each subsequent figure.

157. (5) In each subsequent figure one design is deleted in a set order.

158. (3) From Problem Figure (1) to (2) the design is inverted and the black dot is deleted. Similar changes occur from Problem Figure (3) to (4) and from Problem Figure (5) to Answer Figure.

159. (3) In each subsequent figure four designs move half step in clockwise direction, the arrow rotates through 90° clockwise and the central design gets doubled after every two figures.

160. (3) In each subsequent figure the main design rotates through 90° clockwise and the inner design is repeated after three figures.

161. (1) a product item

162. (2) actual product

163. (3) product mix depth

164. (4) specific version of a product.

165. (4) line.

166. (3) different products offered in each product line.

167. (1) width

168. (2) growth

169. (4) during the maturity stage

170. (2) Growth

171. (4) a brand extension branding

172. (1) individual branding

173. (2) it can become used as the generic name for all products in the category

174. (4) Flymo lawnmowers

175. (3) brand name

176. (4) brand mark

177. (4) wholesalers or retailers

178. (2) manufacturers are not identified on the product

179. (1) considerably less

180. (2) brand licensing

181. (4) All are printers

182. (4) All of the above

183. (2) OS

184. (3) Keyboard

185. (2) 1965 –1971

186. (1) Single-user operating system

187. (3) Gateways to allow a network to use the resources of another main frame

188. (4) Mouse

189. (3) Electronic data interface

190. (2) Hard disk

191. (1) Mainframes

192. (4) Fixed modem

193. (1) Remote concentrator

194. (1) Ensure that the development adhere to defined quality

195. (1) Actual Intelligence

196. (3) Network that uses two OSI protocol layers as against three used in X.25

197. (4) Both (2) and (3)

198. (1) Relationship that link the input, processing and output of the system

199. (4) To identifying the systems to be tested

200. (3) Both of these