

Sample Paper IIFT

Please read the Instructions for the test carefully

GENERAL INSTRUCTIONS

1. **DO NOT OPEN THE SEAL OF THIS BOOKLET. WAIT FOR THE SIGNAL TO START.**
2. **Use only a HB pencil to fill in the Test Booklet and the Answer sheet.**
3. This booklet contains 24 pages including the blank ones. Immediately after the signal to start is given, verify that all pages are printed properly.
4. Keep only the Admit Card, pencil, eraser and sharpener with you. **DO NOT KEEP** with you books, rulers, slide rules, drawing instruments, Calculators, (including watch calculators), cellular phones, pagers, Digital or any other devices or loose paper. These should be left outside the room.
5. Ensure that your **personal data** has been correctly entered in the **Answer sheet on both the sides.**

AT THE START OF THE TEST

6. As soon as the signal to start is given, open the Booklet.
7. This Test Booklet contains 24 pages, including the blank ones. Immediately after opening the Test Booklet, verify that all the pages are printed properly and are in order.

HOW TO ANSWER

8. This test has FOUR sections which examine various abilities. In all there are 196 questions. You will be given TWO hours to complete the test.

Section	No. of Questions	Weightage	Net Score
G.K.	50	2/5	20
Verbal Ability	50	1/2	25
Quant	47	3/5	28.2
Logical Reasoning	49	3/5	29.4
Net Total	196		102.6

9. Directions for answering the questions are given before each group of questions. Read these directions carefully and answer the questions by darkening the appropriate circles on the Answer Sheet. There is only one correct answer to each question.
10. Wrong answer carries negative marks of 1/5th.
11. Do your rough work only on the Test Booklet and NOT on the Answer Sheet.
12. Follow the instructions of the invigilator. Candidates found violating the instructions will be disqualified.

AFTER THE TEST

13. At the end of the test remain seated till the invigilator collects your Application Form-cum-Answer sheet from your seats. Do not leave the hall till the invigilator announces, "You may leave now.". The invigilator will make the announcement only after collecting the Application Form-cum-Answer sheets from every candidate in the room.
14. You may retain the test booklet with you.



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SECTION – I**GENERAL KNOWLEDGE****Number of questions: 50**

1. At present the Indian rupee is
 - A. Fully convertible on current account
 - B. Partially convertible on capital account
 - C. Both A and B
 - D. Fully convertible on both the accounts
2. “The Indian National Congress is nothing but a microscopic minority.” This quote can be attributed to
 - A. Lord Curzon
 - B. Lord Dufferin
 - C. Lord Dalhousie
 - D. Lord Canning
3. The Nobel Prize for Medicine-2005 has gone to a group of scientists working on
 - A. cancer
 - B. sense of smell
 - C. a malaria vaccine
 - D. peptic ulcers
4. Which of the following is/are NOT TRUE about forest cover in India?
 1. Forests contribute about 4.7% to gross domestic product (in direct terms) of the country.
 2. National Forest Policy 1988 has set a national goal of bringing 1/3 of total geographical area under forest cover.
 3. At present about 19% of the total land area is under forest cover.
 - A. Only 1
 - B. Only 2
 - C. Only 3
 - D. Only 1 and 2
5. “Operation Flood” involves milk. “Operation Golden Flow” involves
 - A. Petroleum
 - B. Edible oil
 - C. Fruit-based drinks
 - D. Mining of gold
6. Dr. Bindeshwari Pathak is related to
 - A. Music
 - B. Literature
 - C. Sulabh movement
 - D. Politics
7. The gas which is used in cold storage plants for refrigeration is known as
 - A. Chlorine
 - B. Co₂
 - C. Ammonia
 - D. Hydrogen
8. ‘Zero Hour’ in the Parliament refers to the time
 - A. for lunch hour
 - B. when the Parliament is in a special session
 - C. when the President is going to address the session
 - D. To ask unscheduled question
9. The Kalinga Prize is given for excellence in the field of
 - A. Popularization of Science and Technology
 - B. Literature
 - C. Cinematography
 - D. Sports and games
10. Press Note 18 is related to
 - A. rights of companies making FDI in India
 - B. making right to work a fundamental one
 - C. barring foreign publications from working in India
 - D. the rights of the Press in India
11. Which business magazine has been declared a superbrand by the Superbrands organization?
 - A. Business India
 - B. Business World
 - C. Business Today
 - D. All of these

12. Doping most commonly involves the use of
- A. Amphetamines and steroids
B. Aspartame
C. Amphetamines and dopamines
D. None of these
13. Who has written "A Double Life"?
- A. Gita Piramal
B. Alyque Padamsee
C. M S Oberoi
D. None of these
14. Jeff Bezos is the founder of
- A. Yahoo.com
B. Amazon.com
C. Altavista.com
D. Webcrawler.com
15. Which of the following States will benefit from the multipurpose Sardar Sarovar Project?
- A. Only Maharashtra and Gujarat
B. Only Gujarat and Madhya Pradesh
C. Only Rajasthan, Gujarat and Maharashtra
D. All the states mentioned above.
16. The WTO was created as a result of two conferences. Name them.
- A. Uruguay Round, Marrakesh Conference
B. Uruguay Round, Maastricht Treaty
C. Maastricht Treaty, Marrakesh Conference
D. Brettenwoods Conference, Uruguay Round
17. Which among the following is the latest nation created?
- A. East Timor
B. Switzerland
C. Nauru
D. Tuvalu
18. Which of the following is not a South American country?
- A. Argentina
B. Bolivia
C. Colombia
D. Mexico
19. A madcap company is usually defined as one having a total
- A. sales of less than Rs. 500 Crore annually
B. market capitalization of between Rs. 100 and Rs. 300 Crore
C. market capitalization of upto Rs. 1400 Crore
D. Both A and B
20. Which company has emerged as the first company in the country to cross the magical Rs. 1,50,000 crore of market capitalization?
- A. Infosys
B. ONGC
C. Reliance Industries
D. Bharat Petroleum
21. Which of the following is the headquarters of the World Bank?
- A. The Hague
B. Washington
C. Paris
D. London
22. Which of the following is a classical dance form of Kerala?
- A. Kathak
B. Kuchipudi
C. Bharat Natyam
D. Kathakali
23. Which of the following is/are TRUE about the literacy rate in India?
1. The overall literacy rate was 62 percent in 1997.
2. Males are now less literate as compared to females
3. For females the literacy rate is 50%
- A. Only 1 and 2
B. Only 1 and 3
C. Only 2 and 3
D. All are true

24. Who has been given the Economic Times Life Achievement Award?
A. Brij Mohan Munjal B. Raunaq Singh C. Kalpana Morparia D. NR Narayan Murthy
25. Which of the following sectors is likely to be opened to upto 49% FDI?
A. Retail B. Cement C. Steel D. Defence equipment
26. Yahudi Menuhin's name was practically the same thing as the
A. Violin B. Guitar C. Santoor D. Sitar
27. *Phool Walon Ki Sair* is an annual festival of national integration held in
A. Lucknow B. Hyderabad C. New Delhi D. Meerut
28. Cryogenics is the science of
A. Very high temperatures B. Hair-styling C. Very low temperatures D. Caves and tunnels
29. Who was responsible for killing millions of people in concentration camps?
A. Idi Amin B. Adolf Hitler C. Pol Pot D. None of these
30. Who among the following is the first Indian to win an Oscar Award?
A. Bhanu Athaiya B. Shabana Azmi C. Satyajit Ray D. Rohini Hattangadi
31. Suzlon is into
A. Railways wagons B. Telecom equipment C. Wind Energy D. None of these
32. Maria Montessori's name is associated with
A. Women's rights B. Christian Mission C. Mission of Charity D. Child education
33. Who was the first woman Prime Minister in the world?
A. Smt. Indira Gandhi B. Smt. Margaret Thatcher
C. Golda Meyer D. Smt. Srimavo Bhandaranaike
34. Which one of the following is a constituent part of U.N.O.?
A. General Assembly B. UNESCO C. IMF D. ILO
35. Which of the following locations is not correct?

<i>Name of the Organization</i>	<i>Location of Headquarters</i>
A. UNESCO	Paris
B. ILO	Geneva
C. FAO	Brussels
D. International Court of Justice	The Hague
36. The Tashkent Agreement was signed between India and
A. Pakistan B. Bangladesh C. Russia D. Sri Lanka
37. A dead man's age can be easily and reliably calculated by examining his
A. Skin B. Blood C. Eyes D. None of these

38. The first Multipurpose Project in India was
A. Damodar Valley Project
C. Narmada Valley Project
B. Bhakhra Nangal Project
D. None of these
39. The gestation period in humans is
A. 270 days
B. 280 days
C. 260 days
D. 255 days
40. The Dilwara Temples are in
A. Jodhpur
B. Jaipur
C. Mount Abu
D. Ajmer
41. The International Auto Show next year will be held in
A. Detroit
B. Geneva
C. New Delhi
D. New York
42. Which out of the following is the world's largest coffee chain?
A. Barista
B. Star Bucks
C. Café Coffee Day
D. Java
43. Which company is the world's biggest supplier of HIV/AIDS drug?
A. Cipla
B. Glaxo
C. Pfizer
D. None of these
44. Which of the following acts as the marker watchdog in the US?
A. Federal Markets Commission
C. Federal Securities Commission
B. Securities Exchange Commission
D. Securities Trade Commission of America
45. Ms. Mathai, who got last year's Nobel Prize for Peace, is active in the area of
A. poverty alleviation
C. nuclear disarmament
B. ecological conservation
D. racial equality
46. Which of the following is *not* a source of revenue for Government of India?
A. Corporation Tax
B. Wealth Tax
C. Entertainment Tax
D. Gift Tax
47. Who coined the term "conspicuous consumption"?
A. Jagdish Sheth
B. Theodore Levitt
C. Al Ries
D. Thorstein Veblen
48. "Human Technology" is a punchline of which mobile phone maker?
A. Motorola
B. Nokia
C. Ericsson
D. Samsung
49. The airline he launched in 1932 became the country's international carrier. Who was he?
A. Jamsetji Tata
B. Ratan Tata
C. JRD Tata
D. Biju Patnaik
50. *Chevrolet Optra* has been launched by
A. Skoda Auto
B. GM
C. Daimler Chrysler
D. Ford

SECTION – II

VERBAL ABILITY

Number of questions: 50

DIRECTIONS for questions 51 to 56: In these questions, some parts of a sentence have been left blank. From the given choices, select the ones, which complete the sentence properly in terms of syntax and semantics. The number of blanks which can be correctly filled is the answer. e.g. 1:a, 2:b, 3:c, 4:d.

51. Industry will be paying a heavy price as power supplies (____) in the wake of demand from the power sector. It has been (____) under a 70% cut since mid March but it could come under a complete (____) if the demand from agriculture increased. (____) consumers are suffering a six hour cut.

falter, suffering, darkness, struggle, totter, reeling, intermittent, fluctuate

52. Breathing passages are especially (____) to infection. Fortunately they are lined with mucus secreting cells that trap tiny (____) and dust particles. Also (____) hair called cilia line the breathing passages, wave like a field of wheat and gently (____) the matter out of the respiratory track.

Vulnerable, creatures, thin, wean, prone, macroscopic, dirt, escort, drive

53. The digital computers are (____) in that they have applications not only in the scientific field but also in the fields of (____) and administration. Further due to their superior (____) and accuracy, digital computers (____) the contemporary computer scene.

Global, flexibility, dominate, universal, ubiquitous, ability, rule, finance, capacity

54. But the (____) images of sporting personalities and their amazing feats would remain (____). Reigning superstars were dethroned, some were disqualified and some (____). It was a triumph of mind, determination and (____) that won American Kerri Strug the gold and hearts of sports lovers the world over.

Disgraced, recurring, defamed, spectacular, skill, stamina, dismayed, dramatic

55. But in the imitation of such models for practical ends, those with special (____) see more than the (____) employees into a (____) whole directed at the organizational goal also falls on the leader. Providing the (____) force that manages these centrifugal forces will be the leaders' domain.

necessary, multiple, forceful, weak, umpteen, palaver, pallid, cumbersome

56. The specific task of (____) the specific values that glue the activities and initiatives of his (____) employees into a (____) whole directed at the organizational goal also falls on the leader. Providing the (____) force that manages these centrifugal forces will be the leaders domain.

Centripetal, senior, cohesive, united, balancing, embedding, diffusing, empowered

DIRECTIONS for questions 57 to 61: Each of the following questions consists of four sentences marked A, B, C and D. You are required to arrange the sentences in a proper sequence so as to make a coherent paragraph.

57.

- A. The idea of Asian solidarity became a shambles overnight.
B. The conflict shattered the dream of the 2 ancient civilizations jointly assuming their rightful role, to find a new path for mankind's survival in a world that seemed hell bent on annihilating itself.
C. He saw in the event a complete undoing of all that he had tried to do for several years.
D. That role had inspired Panaditji and swayed the Indian people for a decade and a half.

a. BCAD

b. CBDA

c. ABCD

d. ADBC

58.

- A. When comrades asked him how a communist party could adopt what was derisively called the parliamentary path, he had a clever answer.
- B. To win it he would employ all useful tactics, the ends always justifying the means.
- C. That was one way of exposing the inadequacy of bourgeois parliaments, he said.
- D. "As a winner of power", he said.

a. CDBA b. CBDA c. ABCD d. ADBC

59.

- A. Block mountains are usually steep sided.
- B. Block Mountains come into being as a result of vertical earth movements along cracks of faults.
- C. When such vertical movements leave a block of high elevation standing between two areas of low elevation, the high land area forms a block mountain.
- D. Movements are also caused by the pressure generated by plants.

a. DABC b. BCAD c. BACD d. DACB

60.

- A. China completed its fourth consecutive year of double-digit economic growth.
- B. International trade responding to liberalisation of both trade and investment also soared to a record high.
- C. It also increased the unsustainable demands on the earth's natural systems and resources – croplands, aquifers, fisheries, rangelands and forests.
- D. This impressive expansion raised the global output of goods and services per person by more than 2%

a. ABDC b. BCAD c. BACD d. DACB

61.

- A. India in its commitment to establish a socialist pattern of society through mixed economy adopted the present system of worker participation in management, which has been an important part of labour policy since it attained independence.
- B. According to this plan, a socialist society is built on ideas of service to society and its willingness to recognise such service.
- C. It is necessary in this regard that workers be made to feel that they are helping to build a progressive state.
- D. The second 5-year plan laid emphasis on a constructive relationship between employer and employee.

a. DABC b. BCAD c. ACDB d. DACB

DIRECTIONS for questions 62 to 67: Each of the following sentences has been split into four parts. You have to mark that part which contains a mistake.

62.

- a. In case an informal system is used,
- b. either a transfer, a informal warning
- c. or a non hierarchical but status demotion
- d. are the remedies to correct indiscipline.

63.

- a. The best option lies in DOTS
- b. which involves physical door to door supervision
- c. of drug took by TB patients for
- d. at least the first two months of treatment

64.

- a. The draft ninth plan approach is
- b. heavily loaded in favor of
- c. private investment as a result of severe resources crunch
- d. and the liberalisation of the economy

- 65.
- Civil defence aims at saving lives,
 - minimizing damage of property
 - and maintaining continuity of industrial production
 - in case of an attack
- 66.
- The topography of the ocean floors
 - is none too well known,
 - since in the greatest areas the available surroundings
 - are often hundreds or even thousands of miles away.
- 67.
- It has been argued that he should not
 - be so designated because he has so clearly
 - matured and outgrew the kinds of romanticism
 - exhibited by Wordsworth, Shelley and Keats

DIRECTIONS for questions 68 to 73: Arrange sentences A, B C and D between sentences 1 and 6, so as to form a logical sequence of six sentences.

- 68.
- A new combination may be the subject matter of a patent although every part of the combination per se is old.
 - The elements of this combination are combined together so as to produce a new result.
 - The result produced by a combination is either a new article or a better article or a cheaper article than before.
 - Such a combination is an invention or a manufacture under the statue and will be subject matter for a patent.
 - Here the new article is not the parts themselves but the assembling and working them together, which ex hypothesis is new.
 - However, a mere collection of two or more things without the exercise of some inventive faculty in combining them is not a subject matter of patent.
- a. ABDC b. CDBA c. CBAD d. DABC
- 69.
- The concept of Experience curve is relevant to a number of areas in strategic management.
 - Experience curve is based on the commonly observed phenomenon that unit costs decline as a firm accumulates experience in terms of a cumulative volume of production.
 - The implication is that large firms in an industry would tend to have lower unit costs as compared to those for smaller companies thereby a competitive cost advantage.
 - It is not a portfolio analysis technique but is an important concept used for applying a portfolio approach.
 - The concept is akin to a learning curve, which explains the efficiency increase gained by workers through repetitive productive work.
 - Experience curve results from a variety of factors such as learning effects and economies of scale.
- a. DBCA b. BDCA c. BCAD d. ABCD
- 70.
- She who knows only her side of the case knows little of that.
 - Her reasons maybe good and no one may have been able to refute them.
 - But if she is equally unable to refute the reasons of the other side; if she does not so much as know what they are, she has no grounds for preferring either opinion.
 - The rational position for her would be suspension of judgement and unless she contents herself with that she is led either by authority or adopts like the generality of the world the side to which she feels the most inclination.
 - Nor is it enough that she should hear the arguments of adversaries from her own teachers, presented as they state them.
 - That is not the way to do justice to her arguments or to bring them in contact with her own mind.
- a. ACBD b. BDCA c. ABDC d. DBAD

71.

1. Apart from the intersectoral interaction, there are complex interlinkages existing between the factors in the same sector of the environment.
- A. Among these, collaboration of and transfer of technology affect the development of technology in a particular company.
- B. When the technological level is raised, it has repercussions on human beings and the man machine system.
- C. To consider an example of such an interlinkage, the technological environment has a number of factors and influences.
- D. There are implications also for the environmental effects of technology.
6. In this manner, both inter and intra sectoral interactions have to be considered while understanding different environmental sectors.

a. DBCA b. CBDA c. BCAD d. ABCD

72.

1. A broader term "management information system" is used to denote the organizational arrangement designed to aid managers in their activities.
- A. Other synonymous terms such as total system or integrated system are also indicative of the fact that the information system is designed to link different activities.
- B. Advances in technology underlying MIS may create a situation where information system design can take care of the needs of the top management as well.
- C. In terms of management levels MIS has been thought of as being more feasible for the middle and operating management.
- D. This is since the middle management is more involved in more routine tasks.
6. Advancement in processing and usage of information has been made by increasing application of computers.

a. ABCD b. ACDB c. BDCA d. DBAC

73.

1. The notion of a tranquil abyss had been so generally held that many investigators were initially reluctant to accept the evidence for strong currents and storms in the Deep Sea.
- A. cold water is denser than warm water
- B. Models of ocean circulation showed that the sinking of cold water near the poles could generate strong deep and steady currents flowing towards the equator.
- C. Subsequent observations confirmed the presence of deep currents.
- D. These currents were formed by the rapid movement of cold water.
6. Photographs of the sea floor revealed extensive graded beds.

a. ABCD b. BDCA c. BCAD d. BCDA

DIRECTIONS for questions 74 to 76: For each question, choose the pair of words that have a relationship between themselves similar to relationship between the given pair of words.

74. **CALLOW : MATURITY::?**

- | | |
|------------------------|----------------------------|
| a. veteran : expertise | b. youthful : senility |
| c. eager : anxiety | d. apathetic : disinterest |

75. **RESIGN : OFFICER::?**

- | | |
|---------------------|-------------------------|
| a. abdicate : king | b. campaign : candidate |
| c. demote : student | d. install : officer |

76. **DOGGEREL: POET::?**

- | | |
|---------------------------|--------------------------|
| a. symphony : composer | b. pot-boiler : novelist |
| c. soliloquy : playwright | d. easel : painter |

DIRECTIONS for questions 77 to 80: Answer the following questions on the basis of the following reading selection.

Sanders Sandberg is a Swedish transhumanist. The term refers to a person who is committed to increasing the complexity of the universe by transforming himself or herself, achieving longevity or immortality, conquering disease, amplifying intelligence and extending the physical body into computers in a post-biological existence. In other words, believing that the survival of our species no longer depends on blind Darwinian evolution but on people capable of wilfully exploiting opportunities. In this connection he has expounded on something called a 'breakeven point' thus:

"As medicine and life extension advances, the life expectancy of the population increases somewhat each year, and this process may accelerate, given new technologies or new knowledge. The longer you live, the more medical advances will occur during your lifetime which extend your life expectancy. During this extra time more medical advances can occur, and so on. If the increase of life expectancy becomes larger than one year longer life/ year lived, the breakeven point is reached after the fusion (physics term for the point where more energy is produced than is used to drive the reactor) and individuals have a finite chance of living indefinitely."

Quite naturally the breakeven point presupposes that medical advances never run into any firm barriers and that they can be developed fast enough. Sure, in unfounded models of medical thought like bloodletting, homoeopathy, etc, dead-ends are to be expected but given the history of coherent medicine, such barriers have never been encountered as yet. By this precedent, therefore, they will in all likelihood never be encountered in the future either.

Simultaneously, as developments in the field are only becoming increasingly rapid - for example, the unravelling of the genetic code leading to so many much-awaited treatments and management procedures of intractable afflictions like, say, cancer - the breakeven point may not be that far ahead now. When the point gets finally breached a new type of humanity will have been reached where the sole purpose of evolution will no longer be to produce replicates of its genetic material but to strike out in full strength towards what society, culture and civilisation is all about. Perhaps then we'll find the next step is about free will.

77. A trans-humanist changes his existential pattern by
I. Achieving a longer life
II. Gaining higher intelligence
III. Achieving super-computer abilities
- a. I and II b. II and III c. I and III d. I, II and III
78. Sandberg's breakeven point is conceptualized on the assumption that
- a. medicinal sciences will reach their zenith in one's lifetime.
b. Every human being craves a longer life.
c. Individuals have a finite chance of living indefinitely.
d. Advances in medical sciences will grow steadily forever.
79. The author's belief of continued uninterrupted advances in medicine presupposes that
- a. What happened before will continue to happen. b. Medicine as a field will attract research forever.
c. Coherent medicine has never reached a dead end. d. No knowledge ever peaks.
80. According to the author,
A) Institutions of society and culture have not reached their full potential.
R) Mankind has been bogged by the problem of evolution to divert its full energy elsewhere.
- a. Both A and R are true and R is the correct explanation of A
b. Both A and R are true but neither of the two explains the other
c. A is true but R is false
d. A is false but R is true

DIRECTIONS for questions 81 to 90: Select the most suitable word/ s in each case to make the sentence meaningfully complete.

81. After we had waded through all the ____, we discovered that the writer had said very little.
a. context b. treatise c. verbiage d. vortex
82. Although her ____ tears were a sign of her remorse, they did not influence the judge when he imposed the sentence.
a. abundant b. contrite c. crocodile d. copious
83. After his book had been published, he was inveigled to join the literary ____ that lunched daily at the hotel.
a. coterie b. gang c. bunch d. cohorts
84. In spite of the constant ridicule, he is always presenting one of his ____ schemes.
a. grand b. imaginative c. fantastic d. quixotic
85. Although we maintain that we shall never be the first to attack, we are on the alert to _____.
a. reciprocate b. mobilize c. concentrate d. defend
86. In his usual ____ manner, he had insured himself against this type of loss.
a. thoughtful b. casual c. intense d. provident
87. It hurt my pride to be forced to _____ a person who always insulted me; nevertheless, I tried to _____ him.
a. rebuke – condign b. respect – put up with c. propitiate – oscillate d. repudiate - evaluate
88. I am not attracted by the _____ life of the _____ always wandering through the countryside, begging for, charity.
a. proud – almsgiver b. noble - philanthropic c. urban - hobo d. peripatetic - vagabond
89. I did not anticipate reading such an _____ discussion of the international situation in the morning newspaper; normally, such a treatment could be found only in scholarly magazines.
a. erudite b. arrogant c. ingenious d. overt
90. His remarks were filled with _____ which sounded lofty but gave nothing new to the audience.
a. aphorisms b. platitudes c. bombast d. adages

DIRECTIONS for questions 91 to 96: Answer the following questions on the basis of the following reading selection.

With the world's largest McDonald's now installed near Beijing's Great hall of the People, some might see equity in the opening of a Chinese-owned theme park next door to Disney World. Since the \$ 100m park known as Splendid China opened in central Florida last December, tourists have gawked at a miniature replica of the Great Wall two miles down the road from the Magic Kingdom reconstructed wall is but one of the marvels of this new 76 acre (31-hectare) attraction devoted to Chinese history and culture. Splendid China is a showcase that aims to lure foreign visitors and foreign investors to China itself. Cultural understanding is another aim, according to park officials. But its critics regard the park as a propaganda ploy, using make-believe and entertainment to polish China's image as preferential trade terms with the United States come up for renewal next month. Don't took too hard for the Murdered Dissidents' Pavilion, is how the Miami Herald put it in a recent editorial.

Amnesty International and other human-rights groups charge that the park, which features more than 60 miniature versions of such famous Chinese landmarks as the Great wall and the Forbidden City, portrays a false picture of social harmony and contentment among China's persecuted religious and ethnic minorities. In China, dissent is quashed. At Splendid China, Buddhist monks and human-rights activists are staging sporadic protests against the theme park group, is particularly agitated by the placid scene involving the replica of the Potala Palace, the exiled Dalai Lama's residence in Lhasa, Tibet, which was invaded by China in 1950. The Dalai Lama, Tibet's religious and political leader, fled into exile in 1959 and since then the Chinese group of protestors is angered by the way the them park presents the Mongolians as people Square, know to most Americans as the place where the pro-democracy movement met a bloody end in 1989.

Pan Xin Liang, the managing director of the American subsidiary of the Hong Kong based Chin Travel Service (CTS) which owns the park, denies the charge of propaganda. People have been trying to stress the political side instead of the cultural exchange and instead of what is more peaceful, he says. Since 1989 CTS has owned and operated another Splendid China theme park in China's Guangdong province near Hong Kong. The narration of the introductory film shown at the Florida park explains that this enterprise was such a hit "that the Chinese people wanted to share it" with people in the United States.

91. Splendid China is located at
- a. Florida b. Hong Kong c. Beijing d. Disneyland
92. Splendid China is considered as a propaganda ploy by its critics because
- a. The name itself lends itself to such speculation.
b. China is not as peaceful a place as it seems from the exhibition
c. They charge a lot of money to enter the exhibition
d. China's image is not good enough for people to want to visit the country.
93. The Miami Herald's editorial comment means
- a. That dissidents are murdered in China and China tries to hush it up.
b. There should be separate pavilion in honour of the murdered dissidents.
c. That we do not have to look hard for the murdered dissidents' pavilion as it is easily visible.
d. None of the above
94. It may be inferred from the passage that
- a. China is an autocracy
b. The Chinese violently quelled a democratic movement at Tiananmen Square
c. The Potala Palace is the headquarters of the International campaign for Tibet organization.
d. All of the above.
95. What is the defence given by the MD of Splendid China against the charge of propaganda?
- a. That he is working under orders from China he could not do anything about it.
b. That people should look to the cultural and peaceful side instead of other things.
c. That it was a purely business proposition and reality did not matter here.
d. That propaganda was a part of everyday life and one could not do without it.
96. The Dalai Lama is the head of
- a. the Tibetans
b. the Mongolians
c. the pro-democracy movement
d. China's persecuted and religious minorities.

DIRECTIONS for questions 97 to 100: In each line below you will find one key word followed by five words or phrases numbered 1 to 4. In each case choose the word or phrase that has most nearly the same meaning as the italicised word.

97. BEATIFIC

- | | | | |
|-------------|----------|-------------|-----------|
| a. blissful | b. eager | c. hesitant | d. lovely |
|-------------|----------|-------------|-----------|

98. SANGUINARY

- | | | | |
|---------|---------------|----------|--------|
| a. limp | b. mechanical | c. muddy | d. red |
|---------|---------------|----------|--------|

99. SURCEASE

- | | | | |
|--------|---------|----------------|----------|
| a. end | b. hope | c. resignation | d. sleep |
|--------|---------|----------------|----------|

100. SENTIENT

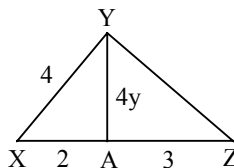
- | | | | |
|--------------|--------------|------------|----------------|
| a. emotional | b. sensitive | c. hostile | d. sympathetic |
|--------------|--------------|------------|----------------|

SECTION – III

Quantitative Ability

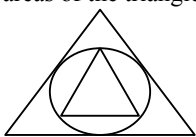
Number of questions: 47

101. Divide Rs. 1710 in three such parts that four times of first, six times of second & 9 times of third are equal each to each.
- A. 810,540,360 B. 570,85,385 C. 570,570,570 D. None of these
102. Ram sells an article at a profit of 20%. Had he bought the article at 30% less and sold for Rs.90 less, there would have been a gain of 50%. Find the cost price of the article (in Rs.).
- A. 500 B. 600 C. 700 D. None of these
103. At what rate percent S.I. on Rs. 1500 produce the same interest in 5 years as Rs. 3125 but for 3 years at 4% per annum?
- A. 3.5% B. 4% C. 4.5% D. 5%
104. An examination is held in English and Arithmetic. 72% of the candidates pass in English and 67% in Arithmetic. If 19% fail in both the subjects and 638 candidates pass in both the subjects, the number of candidates who appeared in the examination is,
- A. 100 B. 1100 C. 1200 D. 1300
105. The population of a town is 155625. For every 1000 males there are 1075 females. If 40 percent of the males and 24 per cent of females are literate, find the percentage of literacy of the town.
- A. 30.7 B. 31.7 C. 32.7 D. 33.7
106. In a certain year, the income – tax for taxable value over Rs. 25,000 but not exceeding Rs. 30,000 is computed according to the following rule:
 Total income-tax = Tax + Surcharge
 Surcharge = 15% of the Tax
 Tax = Rs. 3200 + 30% of the amount by which the taxable income exceeds Rs. 25,000.
 The total income-tax on a taxable income of Rs. 27,400 would be,
- A. Rs. 4502 B. 4504 C. 4506 D. 4508
107. A can do a piece of work in 10 days, B in 15 days. They work together for 5 days. The rest of the work, is finished by C in 2 days. If they get Rs. 150 for the whole work, then A,B, & C respectively get,
- A. 75, Rs. 25, Rs. 50 B. Rs. 25, Rs. 50, Rs. 75 C. Rs. 75, Rs. 50, Rs. 25 D. Rs. 25, Rs. 75, Rs. 50
108. Find the area of a triangle XYZ shown in the adjacent figure. It is given YA is the perpendicular dropped on XZ.



- A. 16 B. $20y$ C. $5\sqrt{2}y^2$ D. $10y$
109. A lamp lighter has to light 100 gas lamps. To go from one lamp post to the next he takes 60 seconds. Each lamp burns 10 cubic feet of gas per hour. If he lights the first lamp at 6 p.m. then the gas burnt when he lights the last lamp is
- A. 1262ft^3 B. 1000ft^3 C. 825ft^3 D. 762.5ft^3

110. A vehicle covered a distance AB=40 kms as follows; the first 10 kms at 4.5 kms per hour, the next 10 kms at 10kms/hour, the subsequent 10 kms at 20 kms per hour and the last 10 kms at 30 kms per hour. The return journey BA was performed at a uniform rate which was $\frac{23}{24}s$, where s is the average speed of the vehicle for its journey from A to B. Determine the average speed for its to and fro journey.
- A. 10kmph B. 10.2kmph C. 10.4kmph D. None of these
111. The average of 8 results is 25; that of the first two is 20 and of the next three is 26. The sixth result is less than the seventh by 4 and less than the eighth by 6. The last result is,
- A. 25 B. 30 C. 35 D. 40
112. Rs. 564 were to be divided in A, B and C in the ratio of 3:4:5 but by mistake this sum of money was divided in the ratio of $\frac{1}{3} : \frac{1}{4} : \frac{1}{5}$. Due to this mistake, find the loss or profit of each.
- A. A: profit Rs. 99, B: loss Rs. 8, C: profit Rs. 91
B. A: loss Rs. 99 B: loss Rs. 8 C: profit Rs. 91
C. A: profit Rs. 99 B: loss Rs. 8 C: loss Rs. 91
D. A: loss Rs. 99 B: profit Rs. 8 C: loss Rs. 91
113. Divide Rs. 3320 into two parts such that the interest on one for three and a half years at 5% is double to that of the other at 3% for 4 years.
- A. Rs. 1400, Rs. 1920 B. Rs 1920, Rs. 1400 C. Rs 1650 each D. None of these
114. A dishonest milk man professes to sell his milk at cost price, but he mixes it with water and there by gains 25%. The percentage of water in the mixture is,
- A. 5% B. 10% C. 15% D. 25%
115. The cost price of 4 chairs and 5 tables is Rs. 330. If the chairs are sold at 25% loss and tables at 25% profit, then the total S.P. of all is Rs. 372.50. The C.P. of a chair is.
- A. Rs. 15 B. Rs. 20 C. Rs. 25 D. 30
116. Find the least number which when doubled will be exactly divisible by 68, 102, 117 and 78
- A. 3974 B. 3976 C. 3978 D. 3980
117. A cistern can be filled by 3 pipes in 30, 40 and 60 minutes respectively, and emptied by an escape pipe in half an hour. Three taps are turned on exactly at noon, but at the same time the escape pipe is accidentally left open and not closed for a quarter of an hour. At what time will the cistern be full?
- A. 12:10pm B. 12.15pm C. 12.20pm D. 12.30pm
118. A began business with Rs. 6500. After 4 months B joined with him a certain capital. At the end of the year the profits were divided in the ratio of 5:2. How much did B invest?
- A. Rs. 3800 B. Rs. 3900 C. Rs. 4000 D. Rs. 4100
119. 125 gallons of a mixture of wine and water contains 20% water. How much water must be added to it to make the water 25% of the new mixture?
- A. 8 gallons B. $8\frac{1}{3}$ gallons C. $8\frac{2}{3}$ gallons D. $8\frac{3}{4}$ gallons
120. A sum of rupees 13040 is borrowed at $3\frac{3}{4}\%$ compound interest to be paid back in two equal yearly installments. The amount of each installment is,
- A. Rs. 6520 B. Rs.6990 C. Rs. 6889 D. Rs.6888

121. The number of students in three rooms is 138. The ratio of the number of students in 1st and 2nd room is 3:4. The ratio of the number of students in 2nd & 3rd room is 7:5. The number of students in the 1st, 2nd & 3rd room respectively is,
- A. 56,40,42 B. 42,56,40 C. 40,56,42 D. 56,40,42
122. The sum of the series $1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 + \dots$ up to $3n$ terms is
- A. $4n^2$ B. $9n^2$ C. $4n^2 - 9n$ D. $n(6n^2 - 8)/3$
123. A can do a piece of work in 6 days, B in 8 days and C in 12 days. B and C do it for 2 days and then C is replaced by A. Find when the work will be finished?
- A. 2 more days B. 1 more day C. 3 more days D. 4 more days
124. A farmer had 1798 sheep and 986 lambs. He forms them into flocks, keeping sheep and lamb separate and having same number of animals in each flock. If these flocks are as large as possible, how many flocks will there be in all.
- A. 36 B. 48 C. 52 D. 96
125. Refer to the figure below. Both the triangles are equilateral triangles, which are inscribed and circumscribed about a circle. Then, the ratio of areas of the triangle is
- 
- A. 1.3 B. $2/5$ C. 4 D. $5/2$
126. 15th August 1981 was a Saturday. What day of the week will it be on 15th August 1983?
- A. Monday B. Tuesday C. Wednesday D. Thursday
127. Sunil bought 100 wineglasses. He collected through his servant, offering him for delivery 3 paisa for every glass delivered safely and threatened to forfeit 9 paisa for every glass he broke. One settlement the servant received Rs. 2.40. How many glasses did he break?
- A. 3 B. 4 C. 5 D. 6
128. If x is very large, then $2x / (1+x)$ is
- A. close to 0 B. arbitrarily large
C. close to 2 D. greater than 2 but less than 3
129. Cost of cleaning a tall chimney of height 100 ft is 6 paisa for first foot and the cost of each foot after that is x paisa more than that of the preceding foot. If total cost of cleaning the chimney is Rs. 204, then the value of x is
- A. 2 B. 3 C. 4 D. 5
130. 65% of children in a sports club play football, 70% play volleyball and 75% play basketball. What is the smallest percentage of children playing all the three games.
- A. 15% B. 10% C. 25% D. 65%
131. How many numbers between 1 and 100 are both multiples of 2 and multiples of 3?
- A. 20 B. 16 C. 21 D. 32

132. What is the smallest possible value of xy if $2x - 4 \geq 6$ and $8 - y \leq 5$?
- A. 30 B. 150 C. 15 D. 52
133. If x is to y as y is to z and 2 is to z as x is to 4 , what is y ? (x , y and z are positive)
- A. 2 B. 4 C. $2\sqrt{2}$ D. $4\sqrt{3}$
134. If 24 carpenters working 6 hours a day can make 378 stools in 7 days, how many similar stools can be made by 15 carpenters working 4 hours a day in 14 days?
- A. 315 B. 310 C. 305 D. 300
135. Anand has a sister who is half his age. When Anand's age double, what will be the ratio of his age to his sister's age?
- A. $4/3$ B. 2 C. $2\frac{1}{2}$ D. $6/5$
136. A man invests a certain sum of money at 6% S.I. and another at 7% S.I. His income from interest after two years was Rs. 354. One fourth of the first sum is equal to one fifth of the second sum. Then the total sum invested is
- A. 1200 B. 2400 C. 2500 D. 2700
137. What is the value of the following expression?
 $\text{Log } (9/14) - \text{log } (15/16) + \text{log } (35/24)$
- A. 0 B. 1 C. 2 D. 3
138. A man saves a certain amount every year, which exceeds the amount saved by him in the preceding year by half the amount of the preceding year. If he had saved Rs. 6650 in 6 years the amount saved by him during the first year would be,
- A. Rs. 300 B. Rs. 320 C. Rs. 340 D. Rs. 360
139. In a cricket match, 11 players made an average score of 197 runs. If the captain's score was 47, find the average of runs scored by the other players.
- A. 200 B. 206 C. 212 D. 218
140. If r , s , and t are consecutive odd integers with $r < s < t$, which of the following must be true?
- A. $rs = t$ B. $r + t = 2t - s$ C. $r + s = t - 2$ D. $r + t = 2s$
141. How many numbers from 1 to 100 are such that each is divisible by 8 and whose at least one digit is 8?
- A. 4 B. 0 C. 6 D. 3
142. A class starts after lunch at 1.00 p.m. and lasts till 3.52 p.m. In this duration four periods are held. Before every period, 4 minutes are allowed for going from one room to another. What is the exact duration of for each period, given that every period is of same duration?
- A. 42 min. B. 39 min. C. 41 min. D. 40 min.
143. A man invited some boys and girls for on the birthday of his son. The number of boys was less than that of girls by 2. He gave Rs. 10 to each boy and Rs. 20 to each girl. If the total amount distributed by him is Rs. 280, what was the number of boys?
- A. 25 B. 10 C. 8 D. 15

144. There are some cows, bulls and 45 hens in a group. One caretaker looks after 15 animals. The number of bulls is twice the number of cows. If the number of heads is less than the total number of feet by 186 (including the caretakers), how many caretakers are there?
- A. 9 B. 8 C. 5 D. 6
145. An elevator has the capacity of 12 adults or 20 children. How many adults can board the elevator with 15 children?
- A. 4 B. 5 C. 3 D. 6
146. The Managing Director reached the conference hall 10 min. before half past twelve and he reached 20 min. before the chairman. If the chairman was already late by half an hour than the schedule time of interview, what was the schedule time for interview?
- A. 50 min. past 12 B. 10 min. past 12 C. 30 min. past 12 D. 40 min. past 12
147. How many numbers from 11 to 50 are there, which are exactly divisible by 7 but not by 3?
- A. 2 B. 4 C. 5 D. 6

SECTION – IV**Logical Reasoning, Data Interpretation & Data Sufficiency****Number of questions: 49**

DIRECTIONS for questions 148 to 153: A conductor is distributing musical pieces I, K, L, M, O and P between two musical ensembles, the Camerata and the Waites. I and K are the most difficult pieces and O and P are the easiest pieces. There will be a single concert in which each ensemble will perform exactly three pieces and no piece will be performed more than once. The ensembles will take turns performing their pieces. The conductor will reward the ensembles for the preparation of the difficult pieces in the following way:

- An ensemble that performs I in a concert in which the other performs O is excused from one rehearsal during the week after the concert.
- An ensemble that performs K in a concert in which the other performs P is excused from one rehearsal during the week after the concert.
- No other excuses from rehearsals will be given.

148. If the Waites performed O, I, and K, which of the following must be true?

- A. The Waites are not excused from any rehearsals.
- B. The Waites are excused from exactly one rehearsal.
- C. The Waites are excused from exactly two rehearsals.
- D. The Camerata are excused from exactly one rehearsal.

149. If P and L are among the pieces the Camerata perform, each of the following is possible EXCEPT:

- A. The Waites are not excused from any rehearsals.
- B. The Waites are excused from exactly one rehearsal.
- C. The Waites are excused from exactly two rehearsals.
- D. The Camerata are excused from exactly two rehearsals.

150. If each ensemble is excused from exactly one rehearsal, neither ensemble could have performed both

- A. I and P
- B. K and O
- C. L and M
- D. L and O

151. If, after each ensemble has performed exactly one piece, one ensemble is already assured of being excused from one rehearsal, which of the following could be the four pieces that have not yet been performed?

- A. I, K, L, P
- B. I, L, M, O
- C. I, L, M, P
- D. I, M, O, P

152. If P and I are among the pieces the Camerata perform, which of the following must be true?

- A. At least one of the ensembles will be excused from exactly one rehearsal.
- B. At least one of the ensembles will be excused from exactly two rehearsals.
- C. Exactly one ensemble will not be excused from any rehearsals.
- D. Neither ensemble will be excused from any rehearsals.

153. If neither ensemble is excused from any rehearsals, which of the following pieces could have been performed by one of the ensembles?

- A. I, K and P
- B. I, L and M
- C. I, O and P
- D. K, M and P

DIRECTIONS for questions 154 to 157: After an accidental soaking has destroyed the labels on five identical bottles – bottles 1,2,3,4 and 5 – containing similar white powders, a pharmacist must determine which of the bottles contain powder P. She knows that exactly two of the bottles contain powder P, but she does not know what any of the remaining three bottles contain. No bottle contains more than one kind of powder. The pharmacist can use only the following tests on samples of the powders.

- **Test X:** Put a sample of powder into solvent S. If powder P is put into solvent S, it will dissolve. Powder P is not the only kind of powder that will dissolve in solvent S.
 - **Test Y:** Mix two samples of powder and put the mixture into water. If powder P is mixed with Powder Q and then put into water, the water will turn a distinctive shade of blue. The mixture of powders P and Q is the only means of producing this result in water.
- The pharmacist has a supply of powder Q, but it is expensive to use in tests.

154. If the pharmacist mixes a sample of powder Q with a sample from bottle 5 and uses test Y on the mixture, the results will show definitely.
- A. whether bottle 5 contains powder Q
 - B. whether the powder in bottle 5 dissolves in solvent S
 - C. that bottle 5 is one of the bottles containing powder P.
 - D. whether bottle 5 contains powder P
155. If the pharmacist puts samples from bottles 1 and 2 into solvent S separately and finds that both samples fail to dissolve, she can properly infer that
- A. she has established which two bottles contain powder P.
 - B. she will establish which two bottles contain powder P if she uses test X on a sample from exactly one more bottle.
 - C. the results of using test X on a sample from one more bottle might or might not establish which two bottles contain powder P.
 - D. it is necessary to test samples from exactly two more bottles with test X to establish which two bottles contain powder P.
156. If the pharmacist puts a mixture of samples from bottles 3 and 4 into water and gets the shade of blue required in test Y, and then she finds that a sample from bottle 4 does not dissolve in solvent S, she can properly infer that
- A. Bottle 3 contains powder P
 - B. Bottle 3 contains powder Q
 - C. Bottle 4 contains powder P
 - D. Neither bottle 3 nor bottle 4 contains powder P
157. If a mixture of samples from bottles 2 and 3, put into water, fails to produce the shade of blue required in test Y, which of the following is true?
- A. Bottles 2 and 3 could be the ones containing powder P.
 - B. It is possible that bottle 3 contains powder P and bottle 2 contains powder Q,
 - C. It is impossible to succeed in finding the bottles containing powder P by using test Y alone.
 - D. Bottles 2 and 3 both contain powder Q.
158. The teacher of yoga said that he knows how good the yoga exercises feel and how beneficial they are to his mental and spiritual health. After all, he said, there must be something sound to any human practice that endures more than three thousands years of history. Which of the following, if true, is the strongest relevant objection to the argument the teacher makes on the basis of the time yoga has endured?
- A. The teacher benefits by the teaching of yoga and so, as a beneficiary, is not a disinterested witness.
 - B. The practice of yoga has changed somewhat over three thousand years.,
 - C. The teacher cites the experience of only one person, who's well being might be due to other cause.
 - D. War, which cannot on balance be called sound, has lasted the length of human history.

- 159.** Researchers compared 42 average-weight and 47 obese infants, aged 7 to 9 months, with respect to current daily nutrient intake, ratio of formula or breast milk to solids in the diet, and maternal reliance on external feeding cues, such as time of day. Mothers completed a three-day food record at home before answering questions on current feeding practices. The researchers concluded from all of these data that, contrary to popular belief, the feeding practices of mothers of obese babies do not contribute significantly to their babies' obesity.
Which of the following could be an assumption on which the researchers relied in drawing their conclusion.
- A. Babies over 9 months are less likely to be obese than are babies under 9 months because babies over 9 months eat less frequently than do babies under 9 months.
B. In the months before the study, the feeding practices of the mothers in the study did not differ significantly from their feeding practices at the time of the study.
C. Babies gain weight at a slower rate between the ages of 7 and 9 months than they do between the ages of 4 to 6 months.
D. Obesity is genetically rather than environmentally determined.
- 160.** Ironically, people who use aspartame as a sweetener to reduce their caloric intake could wind up defeating their purpose, since studies show that high levels of aspartame may trigger a craving for carbohydrates by depleting the brain of a chemical that registers carbohydrate satiety.
Which of the following conclusions can most properly be drawn if the statements above are true?
- A. Aspartame can be more hazardous than carbohydrate's to people's health.
B. People who don't use aspartame are not likely to develop a craving for carbohydrates.
C. The caloric content of foods that are high in carbohydrates is significant.
D. People tend to prefer sweet foods to those high in carbohydrates.
- 161.** Find the missing term in the following series: 7, 10, 9, 12, 11,.....
- A. 17 B. 15 C. 14 D. 16
- 162.** Find the missing term in the following series: 8, 10, 14, 18,..... 34, 50, 66,
- A. 24 B. 28 C. 27 D. 26
- 163.** EGIK : FILO :: FHJL :
- A. JGMP B. JGPM C. GJPM D. GJMP
- 164.** ACEG : DFHJ :: QSUW :
- A. TVXZ B. MNPR C. TQST D. KMNP
- 165.** Find the set which is different from the other four.
- A. ACEGI B. SUWYA C. LJNPR D. BDFHJ
- 166.** Find the set which is different from other four:
- A. WDCX B. MNMN C. HSRI D. PJQK

DIRECTIONS for questions 167 to 168: In these questions, some relationships have been expressed through symbols defined as follows:

- \times : greater than \emptyset : equal to
 $<$: not less than \perp : not equal to
 Δ : less than $+$: not greater than

- 167.** If $a \times b \Delta c$, it follows that
- A. $a \emptyset c \Delta b$ B. $b < a \times c$ C. $a < b + c$ D. $b < a \emptyset c$

168. $a + b + c$ implies

A. $a \cap b \Delta c$

B. $c \cap b \Delta a$

C. $a \Delta b \Delta c$

D. $c \perp b \perp a$

DIRECTIONS for questions 169 to 174: In these questions, there are three squares in each question. The first two squares have five numbers, one inside and four outside at four points. These numbers are arranged according to a particular rule, while in the third square, one of the five numbers is missing. Find the missing numbers from the choices given below:

169.
$$\begin{array}{ccc} & 36 & \\ 49 & \boxed{26} & 64 \\ & 25 & \end{array} \quad \begin{array}{ccc} & 9 & \\ 81 & \boxed{21} & 25 \\ & 16 & \end{array} \quad \begin{array}{ccc} & 25 & \\ 64 & \boxed{?} & 144 \\ & 36 & \end{array}$$

A. 26

B. 25

C. 23

D. 31

170.
$$\begin{array}{ccc} & 3 & \\ 5 & \boxed{14} & 4 \\ & 2 & \end{array} \quad \begin{array}{ccc} & 4 & \\ 6 & \boxed{18} & 5 \\ & 3 & \end{array} \quad \begin{array}{ccc} & 6 & \\ 8 & \boxed{?} & 7 \\ & 5 & \end{array}$$

A. 24

B. 26

C. 28

D. 22

171. If 123 stands for 987, then 234 stands for:

A. 875

B. 886

C. 768

D. 876

172. If SHARP is coded as 58034 and PUSH, 4658, then RUSH is coded as

A. 3568

B. 3658

C. 3583

D. 3685

173. If DIAMOND is coded as VQYMKLV, then WEALTH is coded as

A. EUYNFR

B. HTLAEW

C. EYNUFR

D. None of these

174. If COLD is written as ALHY, IRON may be written as

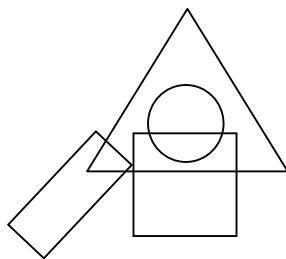
A. GUKI

B. GUSI

C. GOKI

D. GKUI

DIRECTIONS for questions 175 to 179: These questions are based on the following diagram. The triangle stands for Hindi-speaking people, circle for French-speaking, square for English-speaking and rectangle for German-speaking. Study the diagram carefully and answer the following questions:



175. In the above diagram, which one of the following statements is true?

A. All French-speaking people speak Hindi also

B. All German-speaking people speak English and Hindi

C. All French-speaking people speak English

D. All French-speaking people speak German

176. In the diagram which one of the following statements is true?
- These are some people who speak all four languages
 - All Hindi-speaking people speak French but not German
 - Some German-speaking people can speak either Hindi or English
 - Some English-speaking people can speak no other language out of the remaining three given in the diagram.
177. In the above diagram, which one of the following is not true?
- Some French-speaking people can speak Hindi and English but not German.
 - Some Hindi-speaking people can speak French, English and German as well
 - No French-speaking people can speak German
 - German-speaking people cannot speak French
178. In a row of children, Preeti is seventh from the left and Bhakti is fourth from the right. When Preeti and Bhakti change exchange positions, Preeti will be fifteenth from the left. Which will be Bhakti's position from the right?
- 11th
 - 8th
 - 4th
 - 12th
179. One-third of the students in a class are Marathi speaking. One-half of the students know Hindi. The number of Gujarati speaking students is twice that of Marathi speaking students. Two-third of the students are girls. Which of the following statements is true?
- All Marathi speaking students are boys.
 - A half of the Marathi speaking students know Hindi.
 - Some Gujarati speaking students know Hindi.
 - All Gujarati speaking students are girls.

DIRECTIONS for questions 180 to 186: The following table gives the state wise production of different crops for the year 1989-90 (in thousand tonnes). Answer the following questions on the basis of the following data. The states given are the top five states in the production of the various crops given?

STATE	RICE	WHEAT	PULSES
Uttar Pradesh	9356	17786	2416
West Bengal	10924	569	181
Madhya Pradesh	4673	3870	2495
Maharashtra	2319	907	1734
Haryana	1698	5913	429
All-India	74054	49652	12615

180. West Bengal produces approximately what percent of the total rice produced in India?
- 13.02%
 - 10.25%
 - 14.75%
 - 9.87%
181. The amount of wheat produced by Uttar Pradesh is more than the amount of wheat produced by other four states by
- 5.25 million tonnes
 - 6.53 million tonnes
 - 8.12 million tonnes
 - 4.58 million tonnes
182. What percent of total wheat production was produced by states other than those given in the table?
- 41.5%
 - 43.8%
 - 40.2%
 - 39.7%
183. Uttar Pradesh produced approximately what percent of all India production of all the three crops taken together?
- 10.23%
 - 32.56%
 - 29.87%
 - 21.68%

184. Which of the following statements is true?
- A. Uttar Pradesh was the top producer of all three crops
 B. Madhya Pradesh ranked third in the production of all the three crops.
 C. Three different states ranked first in the production of different crops
 D. Haryana was the lowest producer of pulses
185. The combined all India production of Wheat and Pulses together is approximately how much percent less than all India production of Rice?
- A. 21% B. 31% C. 16% D. 10%
186. If the production of these three crops is taken together for all the states, then which of the following states is having the second highest in total?
- A. Madhya Pradesh B. Haryana C. West Bengal D. Uttar Pradesh

DIRECTIONS for questions 187 to 191: The table below gives the percentage of military expenditure on Army, Air Force and Navy and other related data of the leading military spender countries of the world. Answer the following questions on the basis of the information given in this table.

COUNTRY	TOTAL EXPENDITURE (billion US \$)	ARMY	AIR FORCE	NAVY
A	160	28%	42%	30%
B	120	32%	40%	28%
C	10% of TWE	35%	39%	26%
D	26	25%	45%	30%
E	20	22%	66%	12%
F	15	20%	50%	30%
G	10	25%	40%	35%
H	1.6% of TWE	35%	30%	35%
Total World Expenditure (TWE) = 500 \$ billion				

187. The above countries account for what percentage of total world expenditure?
- A. 81.8% B. 86.3% C. 84.1% D. 82.5%
188. If C spends 13 billion dollar on its Navy the amount of money spent by C on the Air Force is
- A. \$ 19.25 billion B. \$19.5 billion C. \$18.25 billion D. \$21.75 billion
189. The amount spent on Navy is minimum for
- A. A B. G C. E D. H
190. A and B's total expenditure is nearly what percentage of the total expenditure of rest of the countries of the world?
- A. 127% B. 56% C. 215% D. 63%
191. If country F wants to spend the equal amount on Air Force and Navy, then how much % of the Air Force expenditure should be shifted to Navy?
- A. 10% B. 20% C. 30% D. 25%

DIRECTIONS for questions 192 to 196: Answer the following questions as per the information given below?

Each of the data sufficiency problems below consists of a question and two statements, labelled I and II, in which certain data are given. You have to decide whether the data given in the statements plus your knowledge of mathematics and everyday facts (such as number of days in July or the meaning of the clockwise), you are to mark your answer as

- A. If only one of the statement alone is sufficient to answer the question, but the other statement alone is not sufficient to answer the question.
- B. If either statement alone is sufficient to answer the question.
- C. if both statements (1) and (2) together are sufficient to answer the question asked but neither statement alone is sufficient.
- D. if statement (1) and (2) together are not sufficient to answer the question and more data is required.

- 192.** What is the number n ?
I. n is a product of 3 distinct prime numbers.
II. The sum of the three prime numbers is 16.
- 193.** How many stamps are affixed on the envelope?
I. The total value of the stamps is Rs. 2.90.
II. Only stamps of Re. 1, Rs. 0.25 and Rs. 0.20 are used.
- 194.** What is the price of an umbrella, (it being given that it is costing less than Rs. 100)?
I. Its value is equal to a prime number greater than 90.
II. Its value is a perfect square greater than Rs. 60.
- 195.** What is the price of an umbrella costing more than 10 Rs. (it being given that this is costing less than Rs. 100) ?
I. Its value is equal to a perfect cube.
II. Its value is equal to a perfect square.
- 196.** Is x a prime number? (it being given that x is a positive integer)
I. x is a perfect cube
II. x is a perfect square

Sample Paper IIFT

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Solutions to Sample Paper IIFT

1. A	2. B	3. D	4. A	5. B	6. C
7. C	8. D	9. A	10. A	11. C	12. A
13. B	14. B	15. D	16. A	17. A	18. D
19. C	20. B	21. B	22. D	23. B	24. D
25. A	26. A	27. C	28. C	29. B	30. A
31. D	32. D	33. D	34. A	35. C	36. A
37. D	38. B	39. B	40. C	41. B	42. B
43. A	44. B	45. B	46. C	47. D	48. B
49. C	50. B	51. B	52. D	53. D	54. D
55. A	56. D	57. B	58. D	59. B	60. A
61. C	62. B	63. C	64. C	65. B	66. C
67. C	68. A	69. D	70. C	71. D	72. B
73. D	74. B	75. A	76. B	77. A	78. D
79. A	80. A	81. C	82. B	83. A	84. D
85. D	86. D	87. B	88. D	89. A	90. B
91. A	92. B	93. C	94. B	95. B	96. A
97. A	98. D	99. A	100. B	101. A	102. B
103. D	104. B	105. B	106. D	107. C	108. D
109. C	110. D	111. B	112. C	113. B	114. D
115. B	116. C	117. C	118. B	119. B	120. C
121. B	122. B	123. A	124. B	125. C	126. A
127. C	128. C	129. C	130. B	131. B	132. C
133. C	134. A	135. A	136. D	137. A	138. B
139. C	140. D	141. A	142. D	143. C	144. D
145. C	146. B	147. B	148. B	149. D	150. C
151. B	152. A	153. D	154. D	155. C	156. A
157. A	158. D	159. B	160. C	161. C	162. D
163. D	164. A	165. C	166. D	167. C	168. C
169. D	170. B	171. D	172. B	173. D	174. C
175. A	176. D	177. B	178. D	179. C	180. C
181. B	182. A	183. D	184. C	185. C	186. C
187. A	188. B	189. C	190. A	191. B	192. C
193. D	194. A	195. C	196. B		

Explanations to Sample Paper IIFT

Q. No.	Answer Key	Explanation
51.	B	power supplies <u>falter</u> ; it has been <u>reeling</u>
52.	D	all blanks can be filled with the given words.
53.	D	all blanks can be filled with the given words.
54.	D	all blanks can be filled with the given words.
55.	A	the <u>umpteen</u> employees
56.	D	all the blanks can be filled with the given words.
57.	B	The para should end in A.
58.	D	A and D are directly related.
59.	B	should start with B; and C follows B.
60.	A	Has to start with A.
61.	C	DB are directly linked.
62.	B	<u>an</u> informal warning.
63.	C	of a drug <u>taken</u> by
64.	C	as a result of a severe resources crunch.
65.	B	
66.	C	since the available surroundings of
67.	C	and outgrown
68.	A	In A the idea of combination is carried forward.
69.	D	Experience curve is explained in A.
70.	C	'C' is related to the 6th statement.
71.	D	The factors in the 1 st statement are explained in 'A'.
72.	B	Advances in B are linked to the 6th statement.
73.	D	
74.	B	The words are opposites.
75.	A	abdicate: to give up position.
76.	B	doggerel : low form of poetry.
77.	A	Explained in the first paragraph.
78.	D	Explained in the second paragraph.
79.	A	Third paragraph.
80.	A	Last paragraph.
91.	A	opened in Central Florida
92.	B	last line of the first paragraph.
93.	C	
94.	B	
95.	B	Explained in last paragraph.
96.	A	
97-100.		Vocabulary work
101.	A	$810 \times 4 = 540 \times 6 = 360 \times 9 = 3240$
102.	B	Let CP = x. Then SP = 1.2x. Then we get: $\frac{(1.2x - 90) - 0.7x}{0.7x} = \frac{50}{100}$. Solving, we get the answer.
103.	D	Let rate = x%. Then $\frac{1500 \times x \times 5}{100} = \frac{3125 \times 4 \times 3}{100}$. Solving, we get the answer.
104.	B	Passed in both = $(67 + 72) = 100 - 19 \Rightarrow 58\%$. Hence $58\% \times 638 \Rightarrow x = 1100$.
105.	B	Males = $\frac{1000}{2075} \times 155625 = 75000$. Females = 80,625 Literates = $40\% (75000) + 24\% (80,625) = 30000 + 19350 = 49350$ Percentage = $\frac{49350}{155625} \times 100 = 31.7\%$

106.	D	Tax = $3200 + 30\% (2400) = 3920$. Add surcharge, hence total = $3920 + 15\% (3920) = 4508$.
107.	C	Work done by C in 2 days = $1 - 5 \left(\frac{1}{10} + \frac{1}{15} \right) = \frac{1}{6}$ Hence C's rate = $\frac{1}{6} \times 150 = 25$. Only choice C satisfies this.
108.	D	Area = $\frac{1}{2} (\text{base} \times \text{ht}) = \frac{1}{2} (5 \times 4y) = 10y$.
109.	C	We get an AP of the time of burning of each lamp, as: $99 + 98 + 97 + \dots$ Sum = $\frac{99 \times 100}{2} = 4950$ minutes. Since rate of burning = 10 ft/hr, hence gas consumed = $\frac{4950}{60} \times 10 = 825$.
110.	D	Time taken = $\frac{10}{4.5} + \frac{10}{10} + \frac{10}{20} + \frac{10}{30} = 4.05$ approx. Average speed = $\frac{40}{4.05} = \text{approx } 10 \text{ km/hr}$. Return speed = $\frac{23}{24} \times 10 \text{ km/hr}$. The average speed for both journeys will hence be < 10 .
111.	B	Total = $8 \times 25 = 200$. Last result = $200 - (40 + 78 + (x - 6) + (x - 2)) = x$. Solving, we get the answer.
112.	C	New ratio = $20 : 15 : 12$. A gets $\frac{20}{47}$ share. Earlier he got $\frac{3}{12}$ or 25%. Hence he makes a profit of $240 - 141 = 99$. Hence the other's share can also be found out.
113.	B	Let one part = x. Then, $\frac{x \times 5 \times 3 \frac{1}{2}}{100} = 2 \left(\frac{(3320 - x) \times 3 \times 4}{100} \right)$. Solving, we get the answer.
114.	D	Gain = water mixed = 25%.
115.	B	We get 2 equations: $4x + 5y = 330$ and $4 \times 0.75x + 5 \times 1.25y = 372.50$. Solving, the equations, we get the answer.
116.	C	LCM (68, 102, 117, 78) = 7956. Hence answer = 3978.
117.	C	Tank emptied in $\frac{1}{4} \text{ hr} = \frac{1}{2}$. Hence work to be done = $1 + \frac{1}{2} = \frac{3}{2}$. Hence time required = $\left(\frac{1}{30} + \frac{1}{40} + \frac{1}{60} \right) = \frac{40}{3}$ minutes. To fill $\frac{3}{2}$ tank, time reqd. = $\frac{40}{3} \times \frac{3}{2} = 20$ minutes.
118.	B	Reqd. ratio = $6500 \times 12 : 8x = 5 : 2$. Solving, the equation we get the answer.
119.	B	Wine = 100, Water = 25. Let water to be added = x. Then $\frac{25 + x}{125 + x} = \frac{25}{100}$. Solving the equation we get the answer.
120.	C	Let the installment be x. Then, $\frac{x}{1.0375} + \frac{x}{(1.0375)^2} = 13040$. Solving the equation, we get the answer.
121.	B	<div style="text-align: center;"> <p>A B C</p> <p>3 4 5</p> <p>7 5</p> </div> <p>Ratio = 21 : 28 : 20, hence B.</p>
122.	B	Application of formula.
123.	A	Work done = $2 \left(\frac{1}{8} + \frac{1}{12} \right) = \frac{10}{24}$ Remaining work = $\frac{14}{24} \times \frac{24}{7} = 2$
124.	B	HCF (1798, 986) = 58. Hence no. of flocks = $\frac{1798 + 986}{58} = 48$.
125.	C	Direct application of formula.

126.	A	Saturday + 2 = Monday
127.	C	Let glasses broken = x. Then $3(100 - x) + 9x = 240$. Solving the equation, we get the answer.
128.	C	$\frac{1+x}{2x} = \frac{1}{2x} + \frac{x}{2x} = \frac{1}{2x} + \frac{1}{2}$. If $x \rightarrow \infty$, then the expression approaches $\frac{1}{2}$. Hence $\frac{2x}{1+x} \rightarrow 2$.
129.	C	Cost function becomes an AP with $a = 6$ and $d = x$. $S = \frac{100}{2}(6 + (6 + 99x)) = 20400$. Solving the equation, we get the answer.
130.	B	Using the formula, we get: $100 = 65 + 70 + 75 - (35 + 45 + 40) + x$. Solving the equation, we get $x = 10$.
131.	B	Multiples of 2 and 3 = multiples of 6, hence $\frac{100}{6} = 16$.
132.	C	$2x - 4 \geq 6 \Rightarrow 2x \geq 10 \Rightarrow x \geq 5$. $8 - y \leq 5 \Rightarrow -y \leq -3 \Rightarrow y \geq 3$. Hence $\min(xy) = 15$.
133.	C	$\frac{x}{y} = \frac{y}{z} \Rightarrow y^2 = xz$. $\frac{2}{z} = \frac{x}{4} \Rightarrow xz = 8$. Solving, we get $y = \sqrt{8}$.
134.	A	$x = 378 \times \frac{15}{24} \times \frac{4}{6} \times \frac{14}{7} = 315$
135.	A	Anand = x, Sister = $\frac{x}{2}$. Req. ratio = $2x : \frac{x}{2} + x = 4 : 3$
136.	D	We get 2 equations: (i) $\frac{x \times 6 \times 2}{100} + \frac{y \times 7 \times 2}{100} = 354$. (ii) $\frac{1}{4}x = \frac{1}{5}y$. Solve to get the answer.
137.	A	$\log \left(\frac{9}{14} \times \frac{35}{24} \times \frac{16}{15} \right) = \log 1 = 0$.
138.	B	We get a GP with $r = \frac{3}{2}$. Hence $a \left(\frac{3}{2} \right)^6 = 6650 \Rightarrow a = 320$.
139.	C	Average reqd. = $\frac{11 \times 197 - 47}{10} = 212$.
140.	D	s is the average of r and t.
141.	A	Divisible by 8 = 8, 16, 24, Containing at least one 8 = 4.
142.	D	Total time = 2 hr 52 min = 172 min. Time of period = $\frac{172 - 12}{4} = 40$ min.
143.	C	Let boys = x. Then, $10x + 20(x+2) = 280 \Rightarrow x = 8$.
144.	D	Total heads = $45 + 2x + x$, where x is the number of cows. Then, $45 + 3x + 186 = 12x + 90 \Rightarrow x = 15$ approx. Hence total animals = 90 and caretakers = $\frac{90}{15} = 6$.
145.	C	Extra capacity = 5 children. 5 children = 3 adults (given).
146.	b	MD reached at 12.20. Chairman = 12.40. Correct time = $12.40 - 30 = 12.10$.
147.	B	Divisible by 7 = 14, 21, 28, 35, 42, 49. Cross out 21 and 42 since they are divisible by 3. Hence 4 numbers.
148.	B	If one does I and O, they are excused from exactly one rehearsal.
149.	D	There is no mention of being excused of 2 rehearsals.
150.	C	L and M do not result in any excuse from rehearsal.

151.	B	They should have done K and P, hence B.
152.	A	The other group can perform K or O and be excused from one rehearsal.
153.	D	
154.	D	Test Y is for P and Q. If Q is already there, it will show whether P is there or not.
155.	C	If they are not dissolving, it means that we can say nothing about P.
156.	A	Blue is obtained, that means P is present. If it is not in 4, it must be in 3.
157.	A	The bottles could contain P but not Q.
158.	D	The parallel of yoga being many years old is compared with war, which is also many years old.
159.	B	The sample only talks about three – day food record which means they assume these records are similar to the general, eating habits of the mothers.
160.	C	All other choices can be eliminated.
161.	C	Alternate terms increase by 2.
162.	D	+2, +4, +4, +8
163.	D	First letter: +1, Second letter: +2, and so on
164.	A	First letter: +2, Second letter: +2, and so on
165.	C	All letters move +1 except in C.
166.	D	The letters are in the same position from front and back of the alphabet.
167.	C	$a > b, b < c$, then a is not less than b, and b is not greater than c.
168.	C	a is not greater than b is not greater than c implies that $a < b < c$.
169.	D	$\sqrt{36} + \sqrt{64} + \sqrt{25} + \sqrt{144} = 6 + 8 + 5 + 12 = 31$.
170.	B	$7 + 8 + 6 + 5 = 26$.
171.	D	$2 = 8, 3 = 7, 4 = 6$.
172.	B	R = 3, U = 6, S = 5, H = 8.
173.	D	The alphabet is written backward and 1 is added.
174.	C	Each letter moves – 2
175-179.		Can be inferred from the venn diagrams.
180.	C	$\frac{10924}{74054} \times 100 = 14.75\%$.
181.	B	$17786 - (569 + 3870 + 907 + 5913) = 6.5$ million tonnes.
182.	A	$[49652 - (17786 + 569 + 3870 + 907 + 5913)] / 49652 \times 100 = 41\%$ approx.
183.	D	$\frac{(9350 + 17786 + 2416)}{(74054 + 49652 + 12615)} \times 100 = 22\%$.
184.	C	Visual question.
185.	C	$\frac{74054 - (49652 + 12615)}{74054} \times 100 = 16\%$.
186.	C	Visual question.
187.	A	$\frac{(160 + 120 + 26 + 20 + 15 + 10)}{500} \times 100 + 1.6\% = 81.6\%$.
188.	B	26% of x = 13; then 39% of x = 19.5.
189.	C	Visual question.
190.	A	$\frac{280}{220} \times 100 = 127\%$.
191.	B	Amount required = 10%. As percentage = $\frac{10}{50} \times 100 = 20\%$.
192.	C	Both statements are required to give the answer.
193.	D	We cannot get the answer even by using both statements.
194.	A	There is only one prime number between 91 and 99.
195.	C	The only number, after using both statements, is 64.
196.	B	Either statement shows that the number is not prime.