SYSTEM ANALYST & COMPUTER PROGRAMMER PRELIMINARY EXAMINATION, 2016

Duration : 2 hrs	Full Marks : 100

== Negative Marking of 0.33 Marks for each Wrong/Multiple Answers ==

GENERAL INSTRUCTION FOR MARKING OMR SHEET & OTHERS

Strict compliance of instructions is essential. Answer sheet will be processed by Electronic means in computer. Invalidation of Answer Sheet due to incomplete / incorrect filling of the OMR sheet will be the sole responsibility of the candidate. Accordingly candidates are advised to adhere to these instructions:

1. **Use BLACK / BLUE Ball point pen only.** Ink pen, pencil or pens with colours are strictly prohibited.

2. Fill up your Roll Number, Name (in Block), Examination Centre, Signature and Date of Exam in appropriate places on the OMR Sheet.

3. Mark the correct Answer by darkening the circle.

4. Use of white fluid / eraser / blade etc. for correction in OMR sheet is not permitted.

5. Once marked, no change in the answer shall be permitted.

6. More than one answer is also not allowed. Multiple answers given against one question will not be considered for evaluation, i.e. marking more than one answer or making alterations after marking an answer will result in zero mark.

7. Do not make any stray mark on the OMR sheet.

8. Do not cut or mutilate the OMR sheet.

9. Do not fold or damage the OMR sheet.

10. Candidate has to put his/her Full signature in two places, one in the OMR Answer sheet and the other in the Attendance Sheet.

11. The signature should be identical with the signature given by the candidate in the online Application Form submitted to the High Court.

12. Candidate has to ascertain that the information furnished by him / her in the OMR Sheet are correct and he/she must ensure that it is duly checked by the invigilator.

13. Do not do any rough work on the OMR Sheet. It may be done in the rough paper provided.

14. There will be no re-checking / re-evaluation of the OMR sheet.

15. Please ensure that you have returned the OMR/Answer sheets to the Invigilator before leaving the Examination Hall.

16. Use of unfair means in the Examination Hall, causing disturbance to others or indiscipline of any sort will lead to cancellation of candidature followed by legal action (if necessary)

17. Use of Calculator / Mobile Phone or any other electronics gadget inside the examination hall is strictly prohibited

THE HIGH COURT OF MANIPUR AT IMPHAL

Question Paper Booklet

System Analyst and Computer Programmer Preliminary Recruitment Examination, 2016

Time Allowed: 2 (Two) Hours   Full Marks: 100

Number of Pages in this Booklet: 16 (Excluding Cover Sheet)

Number of Questions in this Booklet: 100

Instructions:

1. After receiving the Questions Paper Booklet candidates are to carefully examine the booklet and tally the number of pages and number of Questions in the Booklet with the information printed above and if any discrepancies is found he/she should get it replaced immediately by a correct Booklet form the invigilator within the period of 5 minutes.
2. This paper consists of one hundred multiple-choice types of questions. Each question carries one mark. There will be negative marking of 0.33 for each incorrect answer.
3. Candidates are allowed to carry the question paper booklet on conclusion of the Examination.

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1. Who is the author of the book titled-'The Book of Gold Leaves '?

     [A] Anuradha Roy   [B] Neel Mukherjee

     [C] Akhil Sharma   [D] Mirza Waheed

2. Anirban Lahiri is related to which sports?

     [A] Boxing   [B] Tennis

     [C] Golf   [D] Athletics

3. As per the latest report of NITI Aayog, which of the following states has emerged as the "fastest growing economy" in India in 2014-15?

     [A] Bihar   [B] Madhya Pradesh

     [C] Maharashtra   [D] Goa

4. In which of the following states the union government will introduce e-transfer of wages under MGNREGA from January 2016?

     [A] Bihar   [B] Uttar Pradesh

     [C] Kerala   [D] Tamil Nadu

5. The headquarters of Zoological Survey of India (ZSI) are located in which city?

    [A] Bangalore   [B] Dehradun

    [C] Kolkata   [D] Bhubaneswar

6. Which of the following states is the first to allow the MLAs to raise online questions?

    [A] Kerala   [B] Maharashtra

    [C] Tamilnadu   [D] Madhya Pradesh

7. Who has been named as the 2015 Time Magazine's 'Person of the Year'?

    [A] Angela Merkel   [B] Abu Bakr al-Baghdadi

    [C] Donald Trump   [D] Hassan Rouhani

8. Which of the following countries will host the 2nd World Internet Conference (WIC)?

    [A] India   [B] China

    [C] USA   [D] United Kingdom

9. Lasoong festival is celebrated in which of the following states?

    [A] Arunachal Pradesh   [B] Nagaland

    [C] Sikkim   [D] Meghalaya

10. What is the mascot of the 2016 South Asian Games?

    [A] Chikor   [B] Shera

    [C] Tikhor   [D] Appu

11. For what purpose, 'E-Pathshala' web portal has been launched by the Union HRD Ministry?

    [A] To evaluate performance of schools   [B] To host educational resources for students

    [C] To identify areas of improvements in students   [D] All of the above

12. Which state has become the India's first fully organic state?

    [A] Tripura   [B] Sikkim

    [C] Himachal Pradesh   [D] Haryana

13. Palatana Power Plant is located in which state of India

    [A]Arunachal Pradesh   [B]Sikkim

    [C]Himachal Pradesh   [D] Tripura

14. On which day Indian Constitution Day will be observed?

[A]November 26   [B]October 26

[C]December 26   [D]January26

15. Which northeast state is famous for Black rice; well known for its pleasant nutty flavour?

[A]Arunachal Pradesh   [B]Sikkim

[C]Manipur   [D]Mizoram

16. 12th South Asian Games 2016 will be held in

[A] Shillong   [B] Kohima
[C] Kolkata   [D]Guwahati & Shillong

17. "Anything But Khamosh" is a book written by

[A]Arundhati Roy   [B]Mamata Banerjee
[C]Shatrughan Sinha   [D])H.D. Deve Gowda

18. Satya Narayana Nadella is

[A] CEO of Amazon   [B] President of Uganda
[C] CEO of Oracle   [D] CEO of Microsoft

19. Russia has imposed economic sanctions in November 2015 against which country

[A] Syria   [B] Turkey
[C] Kolkata   [D] Ukraine

20. Every year 26 November is being observed as National Milk Day (NMD) to mark birth anniversary of Father of the White Revolution in India of

[A] Jayaprakash Narayan   [B] R. K. Narayan
[C] Dr.Verghese Kurien   [D] Prof. M.S. Swaminathan

21. Which state government of India banned Ketoprofen drug in an attempt to save vultures?
[A]Kerala   [B]Mizoram
[C]Tamil Nadu   [D]Odisha

22. Which of the following countries new Parliament building is built by India?
[A]Bhutan   [B]Afghanistan
[C]Nepal   [D]Maldives

23. In the following questions choose the word which best expresses the meaning of the given word.

CORPULENT

[A] Lean   [B] Gaunt
[C]Emaciated   [D] Obese

24. The words in the bottom row are related in the same way as the words in the top row. For each

item, find the word that completes the bottom row of words.

candle lamp   floodlight

hut   cottage   ?

[A]tent   [B]city

[C]dwelling   [D]house

25. Three persons A, B and C wore shirts of black, blue and orange colours (not necessarily in that order) and pants of green, yellow and orange colours (not necessarily in that order). No persons wore shirt and pants of the same colour. Further it is given that

1. A did not wear shirt of black colour.
2. B did not wear shirt of blue colour.
3. C did not wear shirt of orange colour.
4. A did not wear pants of green colour.
5. B wore pants of orange colour.

What were the colours of the pants and shirt worn by C respectively?

[A] Orange and Black   [B] Green and Blue   [C] Yellow and Blue   [D] Yellow and Black

26. Choose the statement that is best supported by the information given in the question passage.

During the last six years, the number of practicing physicians has increased by about 20%. During the same time period, the number of healthcare managers has increased by more than 600%. These percentages mean that many doctors have lost the authority to make their own schedules, determine   the   fees   that   they   charge,   and   decide   on   prescribed   treatments. This paragraph best supports the statement that doctors

[A] resent the interference of healthcare managers.

[B] no longer have adequate training.

[C] care a great deal about their patients.

[D] are less independent than they used to be.

27. In each of the following questions, a statement/group of statements is given followed by some conclusions. Without resolving anything yourself choose the conclusion which logically follows from the given statements.

To pass the examination, one must work hard.

[A] Examination is related with hard work.

[B] All those who work hard, pass.

[C]Examination causes some anxiety and those who work hard overcome it.

[D] Without hard work, one does not pass.

28. Which of the following symbols is (are) not the Data Flow Diagram (DFD):

[A] a line   [B] an open rectangle
[C] a circle   [D] a triangle

29. A data element in a record, that uniquely distinguishes the record, from all other records, is called

[A] response time   [B] Key
[C] System review   [D] test data

30. On-line data entry is most suitable in the case of

[A] updating payroll master   [B] entering monthly journal entries
[C] Processing payment of cheque in a bank [D] All of the above

31. The Boolean expression $Y = \overline{AB}$ is logically equivalent to what single gate?

[A] NAND   [B] NOR   [C] AND   [D] OR

32. Logically, the output of a NOR gate would have the same Boolean expression as a(n):

[A] NAND gate immediately followed by an INVERTER

[B] OR gate immediately followed by an INVERTER

[C] AND gate immediately followed by an INVERTER

[D] NOR gate immediately followed by an INVERTER

33. Which of the examples below expresses the distributive law of Boolean algebra?

[A] A • (B • C) = (A • B) + C   [B] A • (B • C) = (A • B) + C

[C] A • (B + C) = (A • B) + (A • C)   [D] A • (B + C) = (A • B) + (A • C)

34. Which of the following services use TCP?

1. DHCP
2. SMTP
3. HTTP
4. TFTP
5. FTP

[A] 1 and 2   [B] 2, 3 and 5   [C] 1, 2 and 4   [D] 1, 3 and 4

35. Which of the following is private IP address?

[A] 12.0.0.1   [B] 168.172.19.39   [C] 172.15.14.36   [D] 192.168.24.43

36. Which class of IP address provides a maximum of only 254 host addresses per network ID?

[A] Class A [B] Class B [C] Class C [D] Class D

37. An on-line commercial site such as Amazon.com is an example of a(n) _____ .

[A] single-user database application [B] multiuser database application

[C] e-commerce database application [D] data mining database application

38. SQL stands for _____ .

[A] Structured Query Language [B] Sequential Query Language

[C] Structured Question Language [D] Sequential Question Language

39. You have run an SQL statement that asked the DBMS to display data in a table named USER_TABLES. The results include columns of data labeled "TableName," "NumberOfColumns" and "PrimaryKey." You are looking at _____ .

[A] user data. [B] metadata [C] A report [D] indexes

40. From what location are the 1st computer instructions available on boot up?

[A] ROM BIOS [B] CPU [C] boot.ini [D] CONFIG.SYS

41. With respect to a network interface card, the term 10/100 refers to

[A] protocol speed [B] a fiber speed [C] megabits per seconds

[D] minimum and maximum server speed

42. Which peripheral port provides the FASTEST throughput to laser printers?

[A] RS-232 [B] SCSI [C] Parallel [D] Seria

43. How can you totally protect a PC from damage during an electrical storm?

[A] Disconnect the AC power cable [B] Disconnect all external cables and power cords

[C] Use a surge protector [D] Turn off the AC power

44. System Study involves

[A] study of an existing system [B] documenting the existing system.

[C] identifying current deficiencies and establishing new goals [D] All of the above

45. The starting point for development of an MIS is;

[A] identification of business processes that are the essence of the business

[B] a distributed database management

[C] the system has a large number of PCs and a LAN. [D] purchase of a mini computers

46. Advantages of Relational Database Management systems are

[A] Flexibility, of relating different logical files

[B] Security controls can be more easily implemented.

[C] Data independence since it allows the database to grow by adding new

attributes and relations.   [D] All of the above

47. Gantt chart is used in

[A] hardware management   [B] while preparing DFD   [C] software project management

[D] All of the above

48. The set of attribute in a database that refers to data in another table is called _____.

[A] primary key.   [B] candidate key.   [C] foreign key.   [D] super key

49. Database _____ , which is the logical design of the database, and the database
_____,which is a snapshot of the data in the database at a given instant in time.

[A] Instance, Schema   [B] Relation, Schema   [C] Relation, Domain.

[D] Schema, Instance

50. The Data flow diagram (DFD) shows;

[A] the flow of data   [B] the processes   [C] the areas where they are stored.

[D] All of the above

51. In Data flow diagram (DFD) which symbol represent process

[A] Circle   [B] rectangle   [C] square   [D] Open ended rectangle

52. To select all columns from the table the syntax is:

[A] Select all from table_name [B] Select * from table_name   [C] Select from table_name

[D] Non of the above

53. The primary key must be

[A] Unique   [B] Not Null   [C] Both A & B   [D] None of these

Give the **Antonyms** for the following words
54. MELANCHOLY
        [A] Sorrowful
        [B] Happy
        [C] Confused
        [D] Convicted

55. FECKLESS
        [A] Weak
        [B] Careful
        [C] Careless
        [D] Unlucky

56. ENIGMA

    [A] Mystery

    [B] Post-mortem

    [C] Demise

    [D] Understood

Give the **Synonyms** for the following words

57. ABSTRUSE

    [A] Showy

    [B] Evident

    [C] Concealed

    [D] Skillful

58. SUCCINCT

    [A] Concise

    [B] Tranquil

    [C] Ratify

    [D] Slowly

59. ACRIMONIOUS

    [A] Bitter

    [B] Cheap

    [C] Expensive

    [D] Momentary

Choose the correct word to complete the sentence.

60. Children like to watch science _____ movies.

    [A] fiction

    [B] faction

    [C] fraction

    [D] fallacy

61. Unwilling to admit that they had been in error, the researchers tried to _____ their case with more data obtained from dubious sources.

    [A] buttress

    [B] ascertain

    [C] absolve

    [D] refute

62. Many people at that time believed that spices help preserve food; however, Hall found that many marketed spices were ___ bacteria, moulds and yeasts.

    [A] devoid of

    [B] teeming with

    [C] destroyed by

    [D] improved by

63. In a regular week, there are 5 working days and for each day, the working hours are 8. A man gets Rs. 2.40 per hour for regular work and Rs. 3.20 per hours for overtime. If he earns Rs. 432 in 4 weeks, then how many hours does he work for ?

    [A] 160   [B] 175   [C] 180   [D] 195

64. Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.

In a cricket team, the average age of eleven players in 28 years. What is the age of the captain?

   I. The captain is eleven years older than the youngest player.

   II. The average age of 10 players, other than the captain is 27.3 years.

   III. Leaving aside the captain and the youngest player, the average ages of three groups of three players each are 25 years, 28 years and 30 years respectively.

   [A] Any two of the three   [B] All I, II and III   [C] II only or I and III only
   [D] II and III only

65. In a two-digit, if it is known that its unit's digit exceeds its ten's digit by 2 and that the product of the given number and the sum of its digits is equal to 144, then the number is:

   [A] 24   [B] 26   [C] 42   [D] 46

66. Find a positive number which when increased by 17 is equal to 60 times the reciprocal of the number.

   [A] 3   [B] 10   [C] 17   [D] 20

67. Ayesha's father was 38 years of age when she was born while her mother was 36 years old when her brother four years younger to her was born. What is the difference between the ages of her parents?

   [A] 2 Years   [B] 4 Years   [C] 6 Years   [D] 8 Years

68. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:

   [A] 2700   [B] 2900   [C] 3000   [D] 3100

69. A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is:

   [A] No profit no loss   [B] 5%   [C] 8%   [D] 10 %

70. An industrial loom weaves 0.128 metres of cloth every second. Approximately, how many seconds will it take for the loom to weave 25 metres of cloth?

   [A] 178   [B] 195   [C] 204   [D] 488

71. A takes twice as much time as B or thrice as much time as C to finish a piece of work. Working together, they can finish the work in 2 days. B can do the work alone in:

   [A] 4 days   [B] 6 days   [C] 8 days   [D] 12 days

72. The ratio between the length and the breadth of a rectangular park is 3 : 2. If a man cycling along the boundary of the park at the speed of 12 km/hr completes one round in 8 minutes, then the area of the park (in sq. m) is:

[A] 153600   [B] 15360   [C] 30720   [D] 307200

73. 0.009/? = 0.01

[A] 0.0009   [B] 0.09   [C] 0.9   [D] 9

74. Insert the missing number.

8, 7, 11, 12, 14, 17, 17, 22, (....)

[A] 20   [B] 27   [C] 22   [D] 24

75. Which of the following fraction is the largest?

[A] 7/8   [B] 13/16   [C] 31/40   [D] 63/80

76. Each of the questions given below consists of a question followed by three statements. You have to study the question and the statements and decide which of the statement(s) is/are necessary to answer the question.

What is Arun's present age?

  I. Five years ago, Arun's age was double that of his son's age at that time.

  II. Present ages of Arun and his son are in the ratio of 11 : 6 respectively.

  III. Five years hence, the respective ratio of Arun's age and his son's age will become 12 : 7.

[A] Only I and II   [B] Only II and III   [C] Only I and III   [D] Any two of the three

77. One pipe can fill a tank three times as fast as another pipe. If together the two pipes can fill the tank in 36 minutes, then the slower pipe alone will be able to fill the tank in:

[A] 81 min.   [B] 108 min.   [C] 144 min.   [D] 192 min.

78. A motorboat, whose speed in 15 km/hr in still water goes 30 km downstream and comes back in a total of 4 hours 30 minutes. The speed of the stream (in km/hr) is:
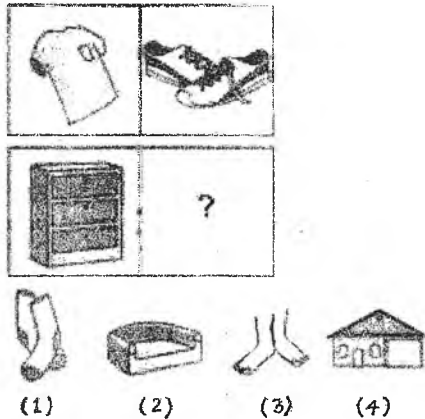
[A] 4   [B] 5   [C] 6   [D] 10

79. A man walked diagonally across a square lot. Approximately, what was the percent saved by not walking along the edges?

[A] 20   [B] 24   [C] 30   [D] 33

80. Choose the picture that would go in the empty box so that the two bottom pictures are related in

the same way as the top two are related.

[A] 1   [B] 2   [C] 3   [D] 4   B

Every one of the following questions consists of a related pair of words, followed by five pairs of words. Choose the pair that best represents a similar relationship to the one expressed in the original pair of words.

81. BINDING : BOOK

[A] frame : picture   [B] display : museum   [C] artist : carpenter
[D] nail : hammer

82. EXPLORE : DISCOVER

[A] read : skim   [B] research : learn   [C] write : print   [D] think : relate

83. PASTORAL : RURAL

[A] metropolitan : urban   [B] harvest : autumn   [C] agrarian : benevolent
[D] sleepy : nocturnal

Each following question presents a situation and asks you to make a judgment regarding that particular circumstance. Choose an answer based on given information.

84. The film director wants an actress for the lead role of Lucy who perfectly fits the description that appears in the original screenplay. He is not willing to consider actresses who do not resemble the character as she is described in the screenplay, no matter how talented they are. The screenplay describes Lucy as an average-sized, forty something redhead, with deep brown eyes, very fair skin, and a brilliant smile. The casting agent has four actresses in mind.

Actress #1 is a stunning red-haired beauty who is 5'9" and in her mid-twenties. Her eyes are

brown and she has an olive complexion.

Actress #2 has red hair, big brown eyes, and a fair complexion. She is in her mid-forties and is 5'5".

Actress #3 is 5'4" and of medium build. She has red hair, brown eyes, and is in her early forties.

Actress #4 is a blue-eyed redhead in her early thirties. She's of very slight build and stands at 5'.

[A] 1,2   [B] 2,3   [C] 1,4   [D] 2,4

85. The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal?

[A] A girl is sitting glumly on a bench reading a book and not interacting with her peers.

[B] Four girls are surrounding another girl and seem to have possession of her backpack.

[C] Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored.

[D] Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds.

86. Mrs. Carson took a taxi to meet her three friends for lunch. They were waiting for her outside the restaurant when she pulled up in the car. She was so excited to see her friends that she left her tote bag in the taxi. As the taxi pulled away, she and her friends took notice of the license plate number so they would be able to identify the car when they called the taxi company.

#1: The four women seem to agree that the plate starts out with the letter J.

#2: Three of them agree that the plate ends with 12L.

#3: Three of them think that the second letter is X, and a different three think that the third letter is K.

The four license plate numbers below represent what each of the four women thinks she saw. Which one is most likely the license plate number of the taxi?

[A] JXK 12L   [B] JYK 12L   [C] JXK 12I   [D] JXX 12L

Read each definition and all four choices carefully, and find the answer that provides the best example of the given definition.

87. Applying for Seasonal Employment occurs when a person requests to be considered for a job that is dependent on a particular season or time of year. Which situation below is the best

example of Applying for Seasonal Employment?

[A] The ski instructors at Top of the Peak Ski School work from December through March.

[B] Matthew prefers jobs that allow him to work outdoors.

[C] Lucinda makes an appointment with the beach resort restaurant manager to interview for the summer waitressing position that was advertised in the newspaper.

[D] Doug's ice cream shop stays open until 11 p.m. during the summer months.

88. Violating an Apartment Lease occurs when a tenant does something prohibited by the legally binding document that he or she has signed with a landlord. Which situation below is the best example of Violating an Apartment Lease?

[A] Tim has decided to move to another city, so he calls his landlord to tell him that he is not interested in renewing his lease when it expires next month.

[B] Valerie recently lost her job and, for the last three months, has neglected to pay her landlord the monthly rent they agreed upon in writing when she moved into her apartment eight months ago.

[C] Mark writes a letter to his landlord that lists numerous complaints about the apartment he has agreed to rent for two years.

[D] Leslie thinks that her landlord is neglecting the building in which she rents an apartment. She calls her attorney to ask for advice.

89. An Informal Gathering occurs when a group of people get together in a casual, relaxed manner. Which situation below is the best example of an Informal Gathering?

[A] The book club meets on the first Thursday evening of every month.

[B] After finding out about his promotion, Jeremy and a few co-workers decide to go out for a quick drink after work.

[C] Mary sends out 25 invitations for the bridal shower she is giving for her sister.

[D] Whenever she eats at the Mexican restaurant, Clara seems to run into Peter.

Each of the following questions contains a small paragraph followed by a question on it. Read each paragraph carefully and answer the question given below it.

90. The attainment of individual and organisational goals is mutually interdependent and linked by a common denominator - employee work motivation. Organisational members are motivated to satisfy their personal goals, and they contribute their efforts to the attainment of organisational objectives as means of achieving these personal goals.

The passage best supports the statement that motivation -

[A] encourages an individual to give priority to personal goals over organisational goals.

[B] is crucial for the survival of an individual and organisation.

[C] is the product of an individual's physical and mental energy.

[D] is the external force which induces an individual to contribute his efforts.

91. Due to enormous profits involved in smuggling, hundreds of persons have been attracted towards this anti-national activity. Some of them became millionaires overnight. India has a vast coastline both on the Eastern and Western Coast. It has been a heaven for smugglers who have been carrying on their activities with great impunity. There is no doubt, that from time to time certain seizures were made by the enforcement authorities, during raids and ambush but even allowing these losses the smugglers made huge profits.

The passage best supports the statement that

[A] smuggling hampers the economic development of a nation.

[B] smuggling ought to be curbed.

[C] authorities are taking strict measures to curb smuggling.

[D] smuggling is fast increasing in our country owing to the quick profit it entails.

92. Industrial exhibitions play a major role in a country's economy. Such exhibitions, now regularly held in Delhi, enable us to measure the extent of our own less advanced industrial progress and the mighty industrial power and progress of countries like the U.K., U.S.A. and Russia whose pavilions are the centres of the greatest attention and attractions.

The passage best supports the statement that industrial exhibitions –

[A] greatly tax the poor economies.

[B] are more useful for the developed countries like U.S.A. whose products stand out superior to those of the developing countries.

[C] are not of much use to the countries who are industrially backward.

[D] boost up production qualitatively and quantitatively by analytical comparison of a country's products with those of the developed countries.

93. Examine the following statements:

1. None but the rich can afford air-travel.
2. Some of those who travel by air become sick.
3. Some of those who become sick require treatment.

Which one of the following conclusions can be drawn from the above statements?

[A] All the rich persons travel by air.   [B] Those who travel by air become sick.

[C] All the rich persons become sick.   [D] All those who travel by air are rich

94. Ten new TV shows started in January – 5 sitcoms, 3 drama and 2 news magazines. By April, only seven of the new shows were still on, five of them being sitcoms. Based on the above information, four conclusions, as given below, have been made. Which one of these logically follows from the information given above?

[A] Only one news magazine show is still on.

[B] Only one of the drama shows is still on.

[C] At least one discontinued shows was a drama.

[D] Viewers prefer sitcoms over drama.

Read the passage given below and the two statements that follows (given on the basis of the passage):

95. Four men are waiting at Delhi airport for a Mumbai flight. Two are doctors and the other two are businessmen. Two speak Gujarati and two speak Tamil. No two of the same profession speak the same language. Two are Muslims and two are Christians. No two of the same religion are of the same profession, nor do they speak the same language. The Tamil-speaking doctor is a Christian.

1. The Christian-businessman speaks Gujarati.
2. The Gujarati-speaking doctor is a Muslim.

What of the above statements is/are correct conclusion/conclusions?

[A] 1 only   [B] 2 only   [C] Both 1 and 2   [D] Neither 1 nor 2

Examine the following statements:

96. All machines consume energy.   Electricity provides energy.

1. Electrically operated machines are cheap to maintain.
2. Electrically operated machines do not cause pollution.

Which one of the following inferences can be drawn from the above statements?

[A] All machines are run by electric energy.

[B] There is no form of energy other than electricity.

[C] Most machines are operated on electric energy.

[D] Electrically operated machines are preferable to use.

Read the following statements and answer the four items that follow,

Five cities P, Q, R, S and T are connected by different modes of transport as follows:

P and Q are connected by boat as well as rail.

S and R are connected by bus and boat.

Q and T are connected by air only.

P and R are connected by boat only.

T and R are connected by rail and bus.

97. Which mode of transport would help one to reach R starting from Q, but without changing the mode of transport?

[A] Boat   [B] Rail   [C] Bus   [D] Air

98. If a person visits each of the places starting from P and gets back to P, which of the following places must he visit twice?

[A] Q   [B] R   [C] S   [D] T

99. Which one of the following pairs of cities is connected by any of the routes directly without going to any other city?

[A]P and T   [B] T and S   [C] Q and R   [D] None of these correct

100. A candidate attempted 12 questions and secured full marks in all of them. If he obtained 60% in the test and all questions carried equal marks, then what is the number of questions in the test?

[A] 36   [B] 30   [C] 25   [D] 20