INSTRUCTIONS TO CANDIDATES
BEFORE ANSWERING, PLEASE READ THE INSTRUCTIONS CAREFULLY

1. Write your Name, Hall Ticket No. Centre Name in the space provided on this booklet above.

2. Please darken the correct choice on the answer sheet with the help of the HB Pencil. DO NOT USE PEN or INK to darken the rectangle / oval.

3. Please write the particulars, like Name and Hall Ticket No. Etc as asked on the Answer Sheet USING INK or BALL POINT PEN.

4. Answer Sheet along with Question Booklet must be submitted to the invigilators as soon as the time is over.

5. Each question carries one (1) mark.

6. Use of Calculator's Cell phones, Slides and Logarithmic tables is strictly prohibited.

7. For any rough work, use the rough page given at the end of this booklet.

8. Please select only one alternative (A,B,C,D) for each question.

9. Please avoid overwriting or markings on Question Paper.
Directions (Qs. 1 to 5):

In the following questions, each sentence has four underlined portions marked a, b, c, d. Choose the portion which must be changed so that the sentence becomes correct.

1. The place was (a) lovely and the weather (b) fine, but amidst (c) the same screams of brats and the chatter of women, I could not enjoy (d) the outing.
   A (a) B (b) C (c) D (d)

2. Considering (a) it was not worth replying to (b) I threw the letter (c) in (d) the waste paper basket.
   A (a) B (b) C (c) D (d)

3. It was mainly his (a) sense of humour that made (b) him the best (c) among the other (d) teachers we had.
   A (a) B (b) C (c) D (d)

4. A (a) good manager always stands behind (b) his subordinates when they commit (c) errors inadvertently (d).
   A (a) B (b) C (c) D (d)

5. Enclosed with (a) this letter was (b) a signed affidavit and a carbon copy (c) of his request to (d) our main office.
   A (a) B (b) C (c) D (d)

Directions (Qs. 6 to 8):

Each of these Questions below consists of a word in capital letters, followed by four words, select the word which expresses the meaning of the word in capital letters.

6. PROPITIATE
   A. Conform B. Appease C. Influence D. Approach

7. PREMONITION
   A. Insight B. Uncertainty C. Forewarning D. Scope

8. DEROGATORY
   A. Injurious B. Shattering C. Destructive D. Disparaging

Directions (Qs. 9 to 11):

Each of these Questions consists of a word in capital Letters, followed by four words, select the word that is opposite in meaning to the word in capital letters.

9. INCONGRUOUS
   A. Conflicting B. Contradicting C. III-matched D. Harmonious
0. IMPROMPTU
   A. Prompt   B. Forced   C. Premeditated   D. Inordinate

11. TIMOROUS
   A. Trembling   B. Cowardly   C. Bright   D. Bold

Directions (Qs. 12 to 15):
Complete the sentence by choosing the correct collective noun from the given options.

12. The hunter spotted a __________ near the lake in the forest.
   A. Brace of game-birds   B. Swam of game-birds
   C. Group of game-birds   D. Group of game-birds.

13. The Rashtrapathy Bhavan has a __________
   A. Collection of rooms   B. Suite of rooms
   C. Gathering of rooms   D. Collection of rooms.

14. The police was called in to disperse a __________ who turned violent.
   A. Family of rioters   B. Crowd of voters
   C. Mob of rioters   D. Group of rioters.

15. During the festive season of Dusshera, one can see a __________ in the temples.
   A. Congregation of worshippers   B. Crowd of worshippers
   C. Fleet of worshippers   D. Group of worshippers.

16. Match the following:
   a. Chief Election Commissioner  
   b. Deputy Chairman of Rajya Sabha
   c. Chairman of the PAC
   1. Elected by Rajya Sabha
   2. Elected by Lok Sabha
   3. Appointed by Lok Sabha Speaker
   4. Appointed by the President

   a  b  c
   A. 4 1 3
   B. 2 3 4
   C. 1 4 2
   D. 4 1 2

17. The maximum strength of Lok Sabha envisaged by the constitution is now
   A. 552   B. 548   C. 545   D. 542
18. The quadrilateral formed by the four angular bisectors of a given parallelogram is...
   A. A square      B. A rhombus      C. A trapezium      D. A rectangle

19. India was partitioned by the
   A. Cabinet Mission    B. Mountbatten Plan
   C. Cripps Mission     D. None of these

20. The first session of the Indian National Congress was held under the presidency of
   A. A.O. Home          B. B. Malabari
   C. Badruddin Tyabji   D. W.C. Bannerjee

21. Consider the following events.
    1. Swadeshi movement
    2. Home Rule movement
    3. Anti-Rowlatt Act movement
    4. Kallafat movement

   Their correct chronological order is
   A. 1,2,3,4,        B. 1,2,4,3       C. 2,1,4,3       D. 3,1,2,4

22. Laparoscopy is connected with
   A. Radars          B. Study of Laser beams
   C. Science of tissues   D. Study gynaecological operations

23. The maximum number of common tangents, two circle in the same plane have
   A. 1               B. 2
   C. 3               D. 4

24. Which of the following statements provides the correct classification of plant kingdom?
   A. Plants can make their own food using CO₂ and water in sunlight.
   B. Plants are fixed
   C. Plant cells have a firm cell wall made up of cellulose.
   D. Plant cells have vacuoles.
5. In a certain code, PEAK is written as '3512' and DINE is written as '6895'. How is KIND written in that code?
   A. 2396   B. 2986
   C. 2896   D. 2596

26. Recently Union Defence Minister launched army's strategic broad band satellite network. It is named
   A. Mercury Flash   B. Pluto Flash
   C. Army Satellite   D. Eastern Star

27. What does the abbreviation ATR stand for?
   A. Action taken Result   B. Actually True Report
   C. Action taken Report   D. Action taken Rejoinder

28. Which of the following companies has started a rural marketing network called "e-chaupal"?
   A. ITC   B. Dabur
   C. Hindustan Lever   D. Procter & Gamble

29. Which of the following Indians has been recently conferred Nelson Mandela award for Minority Empowerment?
   A. Ms. Margaret Alva   B. Ms. Girija Vyas
   C. Ms. J. Natarajan   D. Ms. Ambika Soni

30. At which of the following places India's First Net Route Server has been set-up?
   A. Mumbai   B. Noida
   C. Chennai   D. Hyderabad

31. Which of the following FORTUNES 500 Indian Companies has suffered loss for the first time in the first quarter of 2005-06?
   A. Indian Oil Corporation   B. ONGC
   C. Reliance Industries   D. Bharat Petroleum Corporation

32. Which of the following cities would host 2012 Olympic Games?
   A. Paris   B. New York
   C. London   D. Madrid

33. The first Computer-Language developed was
   A. COBOL   B. BASIC
   C. FORTRAN   D. PASCAL
34. 'Smasher' is associated with which of the following sports?
   A. Boxing  B. Wrestling  C. Football  D. Volleyball

35. The total number of vertebrae in a Human being is
   A. 30  B. 33  C. 26  D. 29

36. The weights of 15 students (in kg) are as follows:
   31, 35, 27, 29, 32, 43, 37, 41, 34, 28, 36, 44, 45, 42, 30. The median is ..........
   A. 36  B. 37  C. 35  D. 41

37. The value of $\sin^2 120^\circ + \cos 420^\circ + \tan 60^\circ$ is

38. A race track is in the form of a ring whose inner circumference is 440m and outer circumference is 506m. Find the width of the track.
   A. 21m  B. 10.5  C. 3.5m  D. 7m

39. The principal that amounts to Rs. 55125 at 5% compound interest in 2 years is
   A. 50,000  B. 30,000  C. 60,000  D. 40,000

40. The sum of a number and its reciprocal is 26/5. The number is ...
   A. 4.8  B. 4  C. 1/5  D. 5/6

41. If the diameter of a circle is increased by 100% the increase in area is...
   A. 100%  B. 200%  C. 400%  D. 300%

42. If $x+y+z=0$, the value of $x^2/yz + y^2/zx + z^2/xy =
   A. 0  B. 1  C. 2  D. 3

43. The LCM of $x^3-12x^4+44x-48$ and $x^3-10x+24$ is
   A. $(x-4)$  B. $(x-4)(x-6)$  C. $(x-6)(x-2)$  D. $x^2-5x+6$

44. $\sqrt{0.00001225}/0.00005229$
   A. 25/77  B. 35/73  C. 35/77  D. 25/73

45. The last digit of $71 \times 72 \times \ldots \times 79$ is
   A. 0  B. 1  C. 9  D. 7
J. ____________ is a very small computer that can be held in the form of the hand.

A. PDA  B. PC  C. Laptop  D. Mini Computer

47. The processor is a ____________ chip plugged onto the motherboard in a computer system.

A. LSI  B. VLSI  C. VLSI  D. XLSI

48. The set of wires, which carry information in a controlled manner is called.

A. System bus  B. Public bus  C. Private bus  D. None of these

49. The fastest memory in a computer system is ____________

A. ROM  B. RAM  C. Cache  D. None of these

50. In the sequence of events, that takes place in an instruction cycle, the first cycle is ____________

A. Store cycle  B. Executive cycle  C. Fetch cycle  D. Decode cycle

51. Unix OS was first developed by

A. Dennis Ritchie  B. Bjarne Stroustrup  C. Ken Thompson  D. Brian Kernighan

52. Unix is a ____________

A. Single user, Single-tasking OS.  B. Single user, Multi-tasking OS.  
C. Multi user, Multi-tasking OS.  D. None of the above.

53. Which of the following is best suited for Bank cheques?

A. OCR  B. OMR  C. BAR  D. MICR

54. The ____________ is also called as letter quality printer.

A. Dot Matrix Printer  B. Ink Jet Printer  
C. Daisy wheel printer  D. Laser Printer

55. What does the term Ajax (a web development technique to create interactive web applications) stand for?

A. Authorised Java and XHTML  B. Asynchronous Java Script and XML  
C. Advanced Java Script XML  D. Apache, Java Script and XHTML
56. LCD stands for ________________
   A. Liquid colour display          B. Light colour display
   C. Lithium Crystal Display       D. Liquid Crystal Display

57. The operating system that is self contained in a device and resident in the ROM is...
   A. Batch Processing System       B. Real-time operating system
   C. Embedded operating system     D. Multi-processor Operating system

58. Artificial intelligence is concerned with making computer behave like...
   A. Human                         B. Robots
   C. Home appliance                D. None of these.

59. Fuzzy logic has been very successful in __________ applications.
   A. Washing Machines              B. Air conditioner's
   C. Dishwasher                    D. All of these

60. Some of the commonly occurring threats to a Network are.....
   A. Errors and omissions          B. Fraud and theft
   C. Hacker's                      D. All of these

61. ______________ is the software program, named after the Greek mythology about the Trojan War.
   A. Worm                          B. Logic bomb
   C. Trapdoor                      D. Trojan horse

62. Cryptography technique relies on __________
   A. Algorithm                     B. Key
   C. Both (A) and (B)              D. None of these

63. Firewall application is used for
   A. Trapping inbound or outbound packets B. Scanning viruses
   C. Encrypting messages            D. None of these

64. Biometric technique makes use of __________ for authentication
   A. Fingerprint                   B. Eye's retina
   C. Credit Card                  D. Both (A) and (B)

65. What is 'Spam'?
   A. Commercial messages          B. Tightening of muscles
   C. Unsolicited e-mail            D. Unsolicited Advertisement
Which company bought Hotmail from its founder's?
A. Draper Fisher Jurvetson (DFJ)  
B. Microsoft  
C. Sabeer Bhatia Incorp  
D. DFJ.com

67. Which of these is not an e-commerce activity?
A. B2B  
B. C2B  
C. B2A  
D. C2C

68. Which of the following is not a mobile phone service?
A. SMS  
B. MMS  
C. Ringtone  
D. PST

69. Which of the following language is used by WAP?
A. HTML  
B. WML  
C. XML  
D. Both (A) and (B)

70. GPS stands for.....
A. Global Posting System  
B. Global Piloting System  
C. Global Positioning System  
D. None of these

71. Information is needed for ...
A. Communication  
B. Decision-making  
C. Both (A) and (B)  
D. none of these

72. Which of the following option is included in E-learning?
A. Computer-based training  
B. Web-based training  
C. Both (A) and (B)  
D. None of these

73. With the emerging role of IT, which of the following option has been affected?
A. Cost benefits  
B. Marketing  
C. Security  
D. All of these

74. One of the latest technologies in mobile computing is....
A. PSTN  
B. Multimedia  
C. GPRS  
D. News-pad

75. Electronic Bulletin Board is an internet service used for.
A. Assessing Internet  
B. Leaving messages and accessing the required information through the software  
C. Collecting information using different software on the Internet.  
D. Chatting on the Internet.
76. Virtual classroom is the online learning space meant for...
   A. Listening to pre-recorded audio comments to enhance knowledge.
   B. Learning form home using computer.
   C. Providing teaching at Home
   D. None of these.

77. What is Microsoft upcoming operating system known as?
   A. Windows 2005
   B. Windows XP
   C. Longhorn
   D. Gen Next

78. PHP is a server-side HTML embedded scripting Language. Expand the acronym
   A. Pre-Hypertext Processor
   B. Hyper text Pre-Processor
   C. Post-Hypertext Processor
   D. Pro Hypertext Processor

79. The .db extension refer to, what type of a file?
   A. Paradox database
   B. Hypertext related file
   C. Image file
   D. Backup file

80. What is the term of an attack in which thousands of copies of a mail are sent to a single mailbox?
   A. Mail attack
   B. Spambot
   C. Email Bomb
   D. Email overload

81. What does ‘Sun’ in Sun Microsystems stand for?
   A. Stanford University Network
   B. Silicon United Network
   C. Silicon Union Networking
   D. Stanford Unified Network

82. A cell range is represented as follows
   A. (A6 . A8)
   B. (A6 - A8)
   C. (A6 : A8)
   D. (A6, 48)

83. Which of the following is application software?
   A. Database Management Systems
   B. Image Editor
   C. Spread sheets
   D. All of these

84. Usually installation file have the extension...
   A. .doc.
   B. .gif
   C. .exe
   D. .jpeg
Which of the following is not an Option in Notification Area dialog box?
A. Lock the Task Bar  
B. Auto-Hide the Taskbar  
C. Shut Down  
D. Show Quick Launch

86. System Restore Utility helps to restore files and folders from.
A. Unreliable and unstable systems  
B. Disk Drives  
C. My Network - places  
D. CD-Rom

87. The transmission mode which allow both communicating devices to transmit and receive data simultaneously is...
A. Simplex  
B. Full - duplex  
C. Half - duplex  
D. None of these

88. The Network topology is which devices are not linked to each other and where hub acts as a central controller is ....
A. Mesh topology  
B. Star topology  
C. Ring topology  
D. Tree topology

89. Which of the following cables support the highest bandwidth and faster transmission rate?
A. Twisted pair cable  
B. Coaxial cable  
C. UTP cable  
D. Fibre Optic cable

90. A compact disc provides ________________ type of data access.
A. Sequential  
B. Direct  
C. Both (A) and (B)  
D. None of these

91. A (n) ________________ is detailed, technology independent specification of the overall structure of the database.
A. User view  
B. Physical Schema  
C. Conceptual schema  
D. External Schema

92. What tools are very useful while developing a software system?
A. Editors, Linkers  
B. Syntax - directed editor  
C. Debuggers, interpreters  
D. All the above

93. The most appropriate form of graphics used for presenting facts and figures information is...
A. Flow - chart  
B. Back - ground  
C. Charts and graphs  
D. 2D graphics
94. Good quality video and higher resolution image is achieved through
   A. AVI
   B. Quick Time
   C. MPEG
   D. None of these

95. Programming tools help in....
   A. Producing readable code
   B. Making the program logic easier
   C. Reducing the size of programs
   D. None of these

96. Query language comes under....
   A. Third Generation
   B. Fourth Generation
   C. Fifth Generation
   D. None of these

97. Usually the e-mail address is in:
   A. Proper Case
   B. Lower Case
   C. Upper case
   D. All of these

98. What would be the output of the following program - ...

```c
main()
{
    printf("%d", -1 > 4);
}
```

   A. 1
   B. 0
   C. 4
   D. None of these

99. SQL is ________ type of Language.
   A. Low level
   B. Procedural
   C. High level
   D. Non Procedural

100. Which of the following statement is true about Access tables?
   A. A database may contain more than one table.
   B. There can be more than one primary key in an Access table.
   C. A database contains only one table.
   D. Access table cannot store images.