(69)

Code No. : 2015/19

Question Booklet Alpha Code **A**

Total No. of Questions : 160

Time : 2 Hours

Each question carries **half** mark : **Marks : 80 (160 × ½)**

1. How many rivers are flowing towards west in Kerala?
   A) 38 B) 39 C) 40 D) 41

2. Which is the first computerized panchayath in Kerala?
   A) Anuvikara B) Poovar C) Vellanad D) Vilappilsala

3. Tax deduction for the minor child suffering from d sability is included in Section:
   A) 80C B) 80D C) 80L D) 80U

4. Information stored in storage cevices can be assessed in
   A) RAM and ROM access B) Direct and Sequential access
   C) Disk access D) Memory access

5. India's first model e-governance city is
   A) Bangalore B) Chennai C) Hyderabad D) Vadodara

6. Pixel means:
   A) Smallest part of a picture display B) Largest part of a picture display
   C) Part of a printable display D) Self-creating image proposition

7. Who was the first concussion substitute in Test Cricket?
   A) Jermain Blackwood B) Marnus Labuschagne
   C) Dimuth Karunaratne D) Ben Stokes

8. Who has won the BTF para badminton championships gold medal this year?
   A) Prasoon Joshi B) K. Srikanth C) PVSindhu D) Manasi Joshi

9. The latest Man Booker prize had a uniqueness
   A) An Scottish won the award B) An Englishman won the award
   C) A French book won the award D) An Arabic book won the award

10. Who is the Cabinet minister for Information and Broadcasting in India?
    A) Prahlad Singh Patel B) Piyush Goyal
    C) Prakash Javadekar D) Smriti Irani

11. How many public sector banks will be there in India post the merger announcement by the Finance Minister during August?
    A) 10 B) 11 C) 12 D) 13

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12. Central University of Kerala is situated at:
A) Kannur B) Mattanur C) Kasaragod D) Tirur

13. For which dam, Kerala and Tamilnadu were at loggerheads over the water discharge?
A) Peechi dam B) Malampuzha dam C) Mullaperiyar dam D) Idukki dam

14. GUI means
A) Graphical Universal Interaction B) Graphical Universal Interface
C) Graphical User Interface D) Graphical User Interaction

15. Who was nominated by the President for the Governor post in Telangana recently?
A) Praful Patel B) Kalraj Mishra
C) Tamilisai Soundarajan D) H Raja

16. Sundar Pichai is the Chief of
A) Apple B) Google C) Oracle D) Pepsi

17. Who founded Instagram?
A) Kevin Systrom B) Mark Zukerberg C) Richard Costner D) Adam Mosseri

18. Google has bought YouTube in an all-stock deal worth about
A) $1.55 billion B) $1.60 billion C) $1.65 billion D) $1.70 billion

19. Who won the national award for his performance as a leading male artist in Andhadhun?
A) Akshay Kumar B) Akshay Khanna
C) Vicky Kaushal D) Ayushman Khurana

20. Reed Hastings is the Chief of
A) Amazon B) Flipkart C) Netflix D) LG

In questions 21 to 23, Identify the correct usage

21. A) All the informations you need are available in this booklet
B) All information you need is available in this booklet
C) All informations you need are available in this booklet
D) All the information you need is available in this booklet

22. A) Many a men feels frustrated because of lack of opportunities
B) Many a man feels frustrated because of lack of opportunities
C) Many a men feel frustrated because of lack of opportunities
D) Many a man feel frustrated because of lack of opportunities

23. A) He used to drink, but I never do
B) He uses to drink, but I never did
C) He used to drink, but I have never
D) He used to drink, but I never did

In questions 24 to 26, identify the wrong usage

24. A) He showed little concern for his nephew
B) I shall give him little money I have
C) He has little chance of being elected
D) From the little I know of him, he appears to be a trouble maker

25. A) I am right, aren't I?
B) None of the food was wasted, was it?
C) We seldom see them nowadays, do we?
D) Wait a minute, can't you?

26. A) All possible means have been tried.
B) The means employed by him are sufficient
C) My means were much reduced owing to the heavy loss
D) He had no means to support his family

In questions 27 to 30, which word in each set below them is correctly spelt?

27. A) miscelaneous B) miscellaneous C) miscellaneous D) miscellanius

28. A) interwel B) interval C) Intervel D) intervell

29. A) adolosent B) adolescent C) adolessent D) adolescent

30. A) conscientious B) Conscienticious C) Conscenticsious D) Conscenticious

In questions 31 to 35 choose the correct prepositions from the options given to fill in the respective blanks

31. He is down ———— malaria
A) of B) from C) with D) by

32. Despite our worries, everything turned ———— well.
A) up B) out C) on D) of (236 TE)

33. Ivory readily adapts itself ———— carver's art.
A) to B) for C) with D) by(W&M)

34. These computers are cheap enough to be accessible ———— most people
A) with B) for C) by D) to

35. I was very angry ———— what he said
A) with B) at C) about D) for

In questions 36 and 37, choose the correct form of tense from those given as options to fill in the respective blanks

36. He ———— since Monday last
A) is absent B) has been absent C) is absenting D) was absenting

37. Every boy and every girl ———— given an English Dictionary by the Publishers
A) was B) were C) have D) has

In questions 38 and 39 identify the correct usage

38. A) No sooner did I reached there than he went out
B) No sooner had I reached there, than he went out
C) No sooner did I reach there, he went out
D) No Sooner I reaching there, than he went out

39. A) Neither of the two men were very strong
B) Neither my brother nor my sister know it
C) Neither my friend nor I am mistaken
D) Neither praise nor blame seem to affect him

40. The idiom "to eat humble pie" means
A) live in poor circumstances
B) Not having nutritious food
C) yield under humiliating circumstances
D) on the point of defeat

41. What is the value of 12+13+14+...30
A) 365 B) 399 C) 409 D) 465

42. What is the largest number that exactly divides 24, 36, and 60?
A) 8 B) 4 C) 12 D) 16

43. What is the average of first 12 multiples of 5?
A) 31.5 B) 33.75 C) 32.5 D) 33.50

44. A trader bought an article for Rs. 1400. What should be the selling price of article to earn a profit of 20%?
A) Rs. 1610 B) Rs. 1560 C) Rs. 1680 D) Rs 1780

45. The average income of "A" and "B" is Rs. 200 and average income of "C" and "D" is Rs 250 The average income A,B, C, and D is
A) Rs. 106.25 B) Rs 125 C) Rs. 200 D) Rs.225

46. In a college election a candidate secured 62% of votes and is elected by a margin of 144 votes. The total number of votes polled is
A) 925 B) 600 C) 1200 D) 800

47. 1008 divided by which single digit number gives a perfect square?
A) 9 B) 4 C) 8 D) 7

48. 12 men construct 1.5 km of road in 7 days. 28 men will construct 12 km of roads in
A) 20 days B) 24 days C) 28 days D) 30 days

49. The place of value of 7 in the numeral 634721 is
A) 7 B) 721 C) 700 D) 7000

50. If three fifth of 60% of a number is 36, the number is
A) 100 B) 80 C) 75 D) None of these

51. 1027.05-314.005 + 112.25 =?
A) 825.095 B) 825.295 C) 825.305 D) 825.395

52. 23% of 8040 + 42% 545 = ? % of 3000.
A) 56.17 B) 63.54 C) 69.27 D) 71.04

53. A train 360m long is running at a speed of 45km/hr. In what time will it passes a bridge of 140m long?
A) 40 sec B) 42 sec C) 45 sec D) 48 sec

54. A man sells his typewriter at 5% loss. If he sells it for Rs. 80 more, he gain 5%. The cost price of the typewriter is:
A) Rs 1600 B) Rs. 1200 C) Rs. 1000 D) Rs. 800

55 0.014 x 0.014 =?
A) 0.000196 B) 0.00196 C) 19.50 D) 196

56. 916 x ? x 3 = 214344
A) 78 B) 68 C) 84 D) 66

57. A person gets Rs. 300 as 1st year's interest on a certain sum and Rs. 330 as 2nd year's interest. Find sum.
A) Rs. 9000 B) Rs. 3000 C) Rs. 4000 D) Rs.5000

58. The marked price is 10% higher than the cost price. A discount of 10% is given on the marked price. In this kind of sale the seller has
A) No loss, No gain B) Looses C) Gains D) Lost 1%

59. 81348 + 12109- 19967 - ? = 34008
A) 19482 B) 20482 C) 19582 D) 19582

60. 999 + 99 + 9999 =?
A) 11097 B) 9097 C) 11096 D) 11197

61. Which of the following is a universal logic gate?
A) OR B) AND C) XOR D) NAND

62. To construct mod 30 counter ..... numbers of flip-flops are required.
A) 5 B) 6 C) 4 D) 8

63. During the execution of the instructions, a copy of the instructions is placed in the _____
A) Register B) RAM C) System heap D) Cache

64. To extend the connectivity of the processor bus we use _____

A) SCSI bus B) PCI bus C) multiple bus D) Controllers

65. Having data belonging to two independent processes in the same page is called_____

A) Buffering B) Blocking C) Message-passing D) False sharing

66. _____ refers to the block size of the DSM system, i.e. to the units of sharing and the unit of data transfer across the network when a network block fault occurs.

A) Granularity B) Coherence C) Abstraction D) Synchronization

67. Load balancing algorithms in _____ class use the processor and process characteristics to allocate processes to nodes.

A) Static B) Dynamic C) Deterministic D) Probabilistic

68. Which of the following is not the part of ADTdescription?

A) Data B) Operations
C) Both of the above D) None of the above

69. Which data structure allows deleting data elements from and inserting at rear?

A) Stacks B) Queues
C) Dequeues D) Binary search tree

70. Which of the following data structure can't store the non-homogeneous data elements?

A) Arrays B) Records C) Pointers D) Stacks

71. A _____ is a data structure that organizes data similar to a line in the supermarket, where the first one in line is the first one out.

A) Queue linked list B) Stacks linked list
C) Both of them D) Neither of them

72. The statement printf ("%d", 10 ? 0 ? 5: 1 : 12); will print?

A) 10 B) 0 C) 12 D) 1

73. The Default Parameter Passing Mechanism is called as

A) Call by Value B) Call by Reference
C) Call by Address D) Call by Name

74. An array elements are always stored in _____ memory locations.

A) Sequential B) Random
C) Sequential and Random D) None of the above

75. Which one of those lists contains only Java programming language keywords?

A) class, if, void, long, Int, continue
B) goto, instanceof, native, finally, default, throws
C) try, virtual, throw, final, volatile, transient
D) strictfp, constant, super, implements, do

76. What is the most restrictive access modifier that will allow members of one class to have access to members of another class in the same package?
A) public B) abstract C) protected D) default access

77. Which of the following class level (nonlocal) variable declarations will not compile?
A) protected int a;
B) transient int b = 3;
C) private synchronized int e;
D) volatile int d;

78. What allows the programmer to destroy an object x?
A) x.delete()
B) x.finalize()
C) Runtime.getRuntime().gc()
D) Only the garbage collection system can destroy an object.

79. Which of the following statements is correct?
A) Base class pointer can not point to derived class.
B) Derived class pointer cannot point to base class.
C) Pointer to derived class cannot be created.
D) Pointer to base class cannot be created

80. Which of the following are available only in the class hierarchy chain?
A) Public data members
B) Private data members
C) Protected data members
D) Member functions

81. Which of the following provides a reuse mechanism?
A) Abstraction B) Inheritance C) Dynamic binding D) Encapsulation.

82. Which of the following products implemented the CODASYL DBTG model?
A) IDMS B) DB2 C) dBase-II D) R:base

83. The DBMS that is most difficult to use is
A) Microsoft's SQL Server
B) Microsoft's Access
C) IBM's DB2
D) Oracle Corporation's Oracle

84. A relation is in this form if it is in BCNF and has no multivalued dependencies:
A) second normal form,
B) third normal form,
C) fourth normal form
D) domain/key normal form

85. Which of the following is a group of one or more attributes that uniquely identifies a row?
A) Key B) Determinant C) Tuple D) Relation

86. _____ is a simple object model that is easier to understand and use than OLE DB, and is frequently used for database applications.
A) ASP B) XML C) ODBC D) ADO.

87. In ODBC, a file that can be shared among database users is called a:
A) system data source.
B) file data source.
C) user data source
D) SQL text file

88. The first step in database development is which of the following?
A) Enterprise data modeling
B) Logical database design
C) Physical database design and definition
D) Database implementation

89. In the Client-Server architecture, the component that processes the request and sends the response is
A) Client
B) Server
C) Protocol
D) Network

90. The execution of the functions on a single server or across servers on the network is called
A) TP Monitor
B) TP- Lite
C) TP-Heavy
D) ORB

91. In nested transactions, if the parent transaction issues the rollback then what about its descendent?
A) All are committed if they issue commit
B) Some are committed and some are roll backed
C) All are roll backed regardless of whether they issue any one
D) All are roll backed if they issue rollback

92. How can you create an e-mail link?
A) <mail href='a@b'>
B) <mail>a@b</mail>
C) <a href="a@b">
D) <a href="mailto:a@b.com">

93. What's so great about XML?
A) Easy data exchange
B) High speed on network
C) Both (A) and (B)
D) None

94. To match the root node in XMLT transform the syntax will be.
A) <xsl:template match= "Document">
B) <xsl:template match= "Root" >
C) <xsl:template match="RootNode">
D) <xsl:template match="/">

95. Which browser can supports the transition properly?
A) Internet Explorer
B) Firefox
C) Chrome
D) All of the above

96. What is the size of Host bits in Class B of IP address?
A) 04
B) 08
C) 16
D) 32

97. In which type of RAID data is mirrored between two disks.
A) RAID 0
B) RAID 1
C) RAID 2
D) RAID 3

98. Which of the following protocol is/are defined in Transport layer?
A) FTP
B) TCP
C) UDP
D) (B) and (C)

99. Which of the following layer is not network support layer?
A) Transport Layer
B) Network Layers
C) Data link Layer
D) Physical Layer

100. The amount of data that can be carried from one point to another in a given time period is called
A) Scope
B) Capacity
C) Bandwidth
D) Limitation

101. What is the IP Address range of APIPA?
A) 169.254.0.1 to 169.254.0.254
B) 169.254.0.1 to 169.254.0.255
C) 169.254.0.1 to 169.254.255.254
D) 169.254.0.1 to 169.254.255.255

102. What is the typical range of Ephemeral ports?
A) 1 to 60
B) 1 to 1024
C) 80 to 8080
D) 1024 to 65535

103. The name for the way that computers manipulate data into information is called :
A) processing
B) programming
C) storing
D) organizing

104. Which of the following is a tool in design phase?
A) abstraction
B) refinement
C) information hiding
D) all of those

105. In object oriented design of software which of the following is not true?
A) objects inherit the properties of the class
B) classes are defined based on the attributes of the object
C) objects can belong to two classes
D) classes are always different

106. Design phase includes:
A) data, architectural and procedural designs only
B) architectural, procedural and interface design only
C) data, architectural and interface design only
D) data, architectural interface and procedural design

107. The Linear sequential model is also known as:
A) Classical life cycle model
B) Fountain model
C) Spiral model
D) Concurrent model

108. Which of the following the notation is not used to represent an object class in an object model?
A) Class Name
B) Entity
C) Attributes
D) Service

109. Which of the following model include inheritance model, object aggregation, and service usage model?
A) Entity-relation model
B) Data flow model
C) Structural model
D) Object model

110. ———— serves as the foundation for software engineering.
A) Software Analysis
B) Software Design
C) Software quality
D) Software testing

111. A full adder logic circuit will have:
A) Two inputs and one output
B) Three inputs and three outputs
C) Two inputs and two outputs
D) Three inputs and two outputs

112. For JK flip flop with J=1, K=0, the output after clock pulse will be ————.
A) 0
B) 1
C) High Impedance
D) No change

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113. The bus used to connect the monitor to the CPU is _____.
A) SCSI bus B) William Norris C) August Dvorak D) None of above

114. _____ register Connected to the Processor bus is a single-way transfer capable.
A) Temp B) PC C) Z D) IR

115. In _____ location policies a random node is polled to check its state and the task is transferred if it will not be overloaded; polling is continued until a suitable node is found.
A) Threshold B) Shortest C) Bidding D) Pairing

116. In case of good process migration mechanism, _____ means failure of any node other than the one on which the process is running should not affect the execution of the process
A) Robustness B) Efficiency C) Transparent D) Interference

117. IDL stands for _____.
A) Integrated Data Library B) Isolated Data Library
C) Interface Data Language D) Interface Definition Language

118. Stack is also called as:
A) Last in first out B) First in last out
C) Last in last out D) First in first out

119. Inserting an item into the stack when stack is not full is called _____ Operation and deletion of item form the stack, when stack is not empty is called _____ operation.
A) push, pop B) pop, push
C) insert, delete D) delete, insert

120. _____ is very useful in situation when data have to stored and then retrieved in reverse order.
A) Stack B) Queue C) List D) Link list

121. Which of the following is/are the levels of implementation of data structure?
A) Abstract level B) Application level C) Implementation level D) All of the above

122. Recursive functions are executed in a
A) First In First Out Order B) Load Balancing
C) Parallel Fashion D) Last In First Out Order

123. What will be the output of the following arithmetic expression?
5+3*2%10-8*6
A) -37 B) -42 C) -32 D) -28

124. Which is the correct syntax to declare constant pointer?
A) int *constconstPtr; B) int constant constPtr;
C) constant *constPtr; D) (A) and (C) both

125. Which of the following is not a type of constructor?
A) Copy constructor B) Friend constructor
C) Default constructor D) Parameterized constructor

126. Which of the following concepts means determining at runtime what method to invoke?
A) Data hiding B) Dynamic Typing
C) Dynamic binding D) Dynamic loading

127. Which of the following term is used for a function defined inside a class?
A) Member Variable B) Member function C) Class function D) Classic function

128. Which is a valid keyword in java?
A) interface B) string C) Float D) unsigned

129. Which interface provides the capability to store objects using a key-value pair?
A) Java.util.Map B) Java.util.Set
C) Java.util.List D) Java.util.Collection

130. What is the name of the method used to start a thread execution?
A) init(); B) start(); C) run(); D) resume()

131. Which method must be defined by a class implementing the java.lang.Runnable interface?
A) void run() B) public void run()
C) public void start() D) void run(int priority)

132. Which of the following products was the first to implement true relational algebra in a PC DBMS?
A) IDMS B) Oracle C) dBase-II D) Rbase

133. A DBMS that combines a DBMS and an application generator is ————.
A) Microsoft's SQL Server B) Microsoft's Access
C) IBM's DB2 D) Oracle Corporation's Oracle

134. The primary key is selected from the:
A) composite keys B) determinants C) candidate keys D) foreign keys

135. When the values in one or more attributes being used as a foreign key must exist in another set of one or more attributes in another table, we have created a(n).
A) transitive dependency B) insertion anomaly
C) referential integrity constraint D) normal form

136. A key :
A) must always be composed of two or more columns.
B) can only be one column
C) identifies a row
D) identifies a column

137. An ODBC data structure that identifies a database and the DBMS that processes it is called a(n):
A) data source B) driver manager C) driver D) API

138. Which is not a relevant feature of CASE tools?
A) The ability to help draw data models using entity-relationship notations
B) The ability to generate code
C) An information repository
D) Access to a DB via the Internet

139. A client device designed so that most processing and data storage occurs on the client side describes
A) Thin Client B) Fat Client
C) Passive Client D) Application Client

140. NetBEUI is an enhanced version of ———— Protocol.
A) IPX B) SPX C) NetBIOS D) TCP/IP

141. Which of the following is not a likely configuration of a Client-Server System?
A) Single Client- Single Server B) Single Client- Multiple Server System
C) Multiple Clients- Multiple Servers System D) Multiple Clients- Single Server System

142. How can you open a link in a new browser window?
A) <a href= "url" new> B) <a href= "url" target= "new">
C) <a href= "url" target="_blank"> D) <a href= "url" target= " ">

143. Which is not a property of attribute Behaviour of <Marquee> tag?
A) alternate B) blur C) scroll D) slide

144. Which of the following options is correct with regard to HTML?
A) It is a modelling language B) It is a scripting language
C) It is a partial programming language D) It is used to structure documents

145. Which tag(s) can handle mouse events in Netscape?
A) <IMG> B) <A>
C)
 D) None of the above

146. What is the maximum header size of an IP packet?
A) 32 bytes B) 64 bytes C) 30 bytes D) 60 bytes

147. What is the usable size of Network bits in Class-B of IP address?
A) 04 B) 08 C) 14 D) 16

148. Which of the following is/are Protocols of Application?
A) FTP B) DNS C) Telnet D) All of above

54

149. The duration of time it takes to send a message from one end of a network to the other and back is called
A) Round Trip Time (RTT) B) Full Duplex Time (FDT)
C) Circle Trip Time (CTT) D) Data Travelling Time (DTT)

150. For error detection _____ is used by the higher layer protocols (TCP/IP).
A) Bit-sum B) Checksum C) Data-sum D) Error-bit

151. Which of the following is not the possible ways of data exchange?
A) Simplex B) Multiplex C) Half duplex D) Full-duplex

152. What is the natural mask for a class C Network?
A) 255.255.255.1 B) 255.255.255.0
C) 255.255.255.254 D) 255.255.255.255

153. Assertion and condition which are true at the point of execution
A) sometimes B) many times C) always D) no times

154. A good specification should be?
A) distinctly specific B) unambiguous C) functional D) all of these

155. Data structure suitable for an application discussed in?
A) Interface design B) data design.
C) procedural designed D) architectural design

156. The Linear sequential model of software development is
A) An Old Fashioned model that cannot be used in a modern context
B) A good approach when a working program is required quickly
C) A useful approach when a customer cannot define requirements clearly.
D) A reasonable approach when requirement are well defined.

157. The rapid application development model is
A) A Combination of prototyping and waterfall model
B) Includes project risks evaluation during each iteration
C) A high speed adaptation of the linear sequential model
D) Used to suggests a systematic sequential approach to software development

158. Which of the following is not the strategy for achieving reliability in software system?
A) Fault avoidance B) Fault tolerance C) Fault detection D) Fault repair

159. Which of the following notation in data flow diagram is used to represent user interaction with system?
A) Arrow Head B) Rectangle C) Rounded Rectangle D) Circle

160. Which of the following is a technical factor which affects software maintenance cost?
A) Application Domain B) Staff stability
C) Programming language D) External environment

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