Adda247 ENGINEERS

THIS SHEET TO BE DETACHED/TORN OFF AND RETAINED BY INVIGILATOR ON COMPLETION OF EXAMINATION
परीक्षा के पूर्ति पर इस पन्ने को अलग करके / काटके निरीक्षक द्धारा रखा जाए

Duration: समय :	2 HOURS / 120 MINUTES 2 घंटे / 120 मिनट	Exam Code : परीक्षा कोड:	TSD002
No. of pages / पृष्ठों की संख्याः	136	Total Marks / कुल अंक :	150

Roll No.: अनुक्रमांक		Question Booklet No. प्रश्र पुस्तिका संख्या :	7024956
Date of Examination : परीक्षा तिथि :		OMR Answer Sheet No. OMR उत्तर शीट क्र.	
Candidate's Name / परीक्षार्थी नाम		Candidate's Signature / परीक्षार्थी का हस्ताक्षर	

*** As given in Application Form / आवेदन पत्र में दिए गए ***

CANDIDATES SHOULD OPEN THE SEALS ONLY AFTER THEY ARE ASKED TO DO SO.
परीक्षार्थी निर्देश मिलने पर ही सील खोलें।

The question paper is made up of the following sections as tabulated below :
निम्न तालिका में दर्शाए अनुसार, इस प्रश्र पत्र को निम्नलिखित भागों में विभजित किया गया है:

Section / भाग	Language / भाषा	No. of Questions प्रश्रों की संख्या	Pages / पृष्ठ	
			From/ से	To/ तक
Section – I	English	150	15	24
Section – II	Hindi / हिन्दी	150	25	35
Section – III	Urdu / اردو	150	36	45
Section – IV	Punjabi / ਪੰਜਾਬੀ ਦੇ	150	46	56
Section – V	Gujarati / ગુજરાતી	150	57	67
Section – VI	Kannada/ ಕನ್ನಡ	150	68	78
Section – VII	Marathi/ ಮರಾಠಿ	150	79	89
Section – VIII	Odiya/ ଓଡ଼ିଆ	150	90	100
Section – IX	Telugu/ తెలుగు	150	101	111
Section - X	Konkani/ ಕೊಂಕಣಿ	150	112	122
Section - XI	Tamil / தமிழ்	150	123	134

English Paragraph : "All the details given by me in the Application Form are true and complete to the best of my knowledge. I understand that I may be issued with Call letter for the exam on the basis of above information and mere issue of Call letter will not confer on me any right to be eligible for the post. I also understand that in case any of my statements are found to be untrue at any stage of recruitment or thereafter, I shall be disqualified forthwith for the post applied for and I shall be liable for any other penal action under the extant rules."

हिन्दी पैरग्राफ़ः "आवेदन पत्र में मेरे द्वारा दिया गया सभी विवरण मेरी अधिकतम जानकारी के अनुसार सत्य और पूर्ण है। मैं समझता/समझती हूँ कि मुझे परीक्षा के लिए उपर्युक्त सूचना के आधार पर बुलावा पत्र जारी किया जाएगा और केवल बुलावा पत्र जारी करना पद के लिए पात्र होने का मुझे कोई अधिकार नहीं देता है। मैं यह भी समझता/समझती हूँ कि यदि मेरा विवरण भर्ती के किसी चरण या तत्पश्चात् असत्य पाया जाता है, तो मैं आवेदित पद के लिए तत्काल निर्हरक हो जाऊंगा/जाऊँगी और मुझ पर लागू नियमों के तहत कोई अन्य दंडात्मक कार्रवाई की जाएगी।"

Signature of Invigilator : _____

TSD002414

INSTRUCTIONS
(Please read carefully and comply)

1. Please read the complete set of instructions including the instructions on the reverse of the OMR Answer Sheet and fill the details in the OMR Answer Sheet and Question Booklet.

2. One paragraph each in Hindi and English is given on page 1. Copying of the paragraph in the space provided in the OMR Answer Sheet either in Hindi or English (as opted in the application form) in your running hand is compulsory. DO NOT USE BLOCK LETTERS.

3. (a) Question Booklet Serial number must be written clearly and marked in the bubbles in the space provided in the OMR Answer Sheet.
   (b) OMR Sheet number should be written in the space provided in the Question Booklet.

4. After being instructed to open the Booklet, the candidates will open the seals and check whether the booklet contains 150 questions and start the paper from page no.15.

5. The question paper comprises 150 questions which are available in congruent versions of English, Hindi, Urdu, Punjabi, Gujarati, Kannada, Marathi, Odiya, Telugu, Konkani and Tamil languages. In case of any doubt or confusion, English version shall prevail.

6. All questions are of objective type. There is only one correct answer to each question carrying one mark. There will be negative marking for wrong answers. **For every wrong answer, 1/3 mark will be deducted.**

7. In the event of any error in any question/s, candidates will not be penalized. However, no corrections will be made in question/s during the examination.

8. You must only use **Blue or Black ball-point pen** for answering. Altering or erasing of answers once entered will be treated as wrong answer. Enter the answers in the Answer Sheet carefully.

9. Rough work, if any, may be done in the space provided in the Question Booklet. No additional paper shall be provided.

10. Use of Log tables, Calculators, Slide rules, Mobile phones, Pagers, Digital diary or any other electronic item/instrument etc. is not allowed. Their use will result in disqualification.

11. No candidate should leave the examination hall before the final bell. The Question Booklet as well as the Answer Sheet should be handed over together to the invigilator before leaving the Examination Hall

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1. Who is considered as the 'Father of Computers'?
   (A) Bill Gates　　　(B) Azim Premji　　　(C) Charles Babbage　　　(D) Jack Kilby

2. Two employees X and Y are paid a total of ₹ 550 per week by their employer. If X is paid 120 percent of the sum paid to Y, how much is Y paid per week?
   (A) ₹ 150　　　(B) ₹ 300　　　(C) ₹ 250　　　(D) ₹ 200

3. Gabriel Garcia Marquez the Nobel Prize winner who expired recently was from which country?
   (A) Brazil　　　(B) Chile　　　(C) Colombia　　　(D) Italy

4. Durand Cup is associated with the game of-
   (A) Cricket　　　(B) Football　　　(C) Hockey　　　(D) Volleyball

5. The price of 24 apples is equal to that of 28 oranges. The price of 45 apples and 60 oranges together is ₹ 1350. The total price of 30 apples and 40 oranges is:
   (A) ₹ 920　　　(B) ₹ 940　　　(C) ₹ 880　　　(D) ₹ 900

6. Which of the following represents a relationship among a set of values?
   (A) Row　　　(B) Table　　　(C) Field　　　(D) Column

7. Which bus is bidirectional?
   (A) Address bus　　　(B) Control bus　　　(C) Data bus　　　(D) None of these

8. A vendor bought bananas at 6 for a rupee. How many for a rupee must he sell to gain 20%?
   (A) 3　　　(B) 4　　　(C) 5　　　(D) 6

9. The average monthly income of A and B is ₹ 5050. The average monthly income of B and C is ₹ 6250 and the average monthly income of A and C is ₹ 5200. What is the monthly income of A?
   (A) ₹ 2000　　　(B) ₹ 3000　　　(C) ₹ 4000　　　(D) ₹ 5000

10. In a certain code, BOXER is written as AQWGQ. How is VISIT written in that code?
    (A) UKRKU　　　(B) UKRKS　　　(C) WKRKU　　　(D) WKRKS

11. The output of an exclusive-NOR gate is 1. Which input combination is correct?
    (A) A = 1, B = 0　　　(B) A = 0, B = 1　　　(C) A = 0, B = 0　　　(D) None of these

12. What punctuation must be used to end lines of C++ code?
    (A) . (dot)　　　(B) '(single quote)　　　(C) ;(semi colon)　　　(D) : (colon)

13. Convert the following SOP expression to an equivalent POS expression.
    $$ABC + A\bar{B}\bar{C} + A\bar{B}C + AB\bar{C} + \bar{A}\bar{B}C$$
    (A) $(\bar{A}+\bar{B}+\bar{C})(\underline{A}+B+\bar{C})(\bar{A}+B+C)$
    (B) $(A+B+C)(A+\bar{B}+C)(A+\bar{B}+\bar{C})$
    (C) $(\bar{A}+\bar{B}+\bar{C})(A+\bar{B}+C)(A+\bar{B}+C)$
    (D) $(A+B+C)(\bar{A}+B+\bar{C})(A+\bar{B}+C)$

14. Which of the following cannot be checked in a switch-case statement?
    (A) Character　　　(B) Integer　　　(C) Float　　　(D) Enum

15. Headquarters of UNO are situated at-
    (A) New York, USA　　　(B) Hague (Netherlands)　　　(C) Geneva　　　(D) Paris

16. The terms 'red book', yellow book' and orange book 'refers to :
    (A) SCSI　　　(B) Floppy drive　　　(C) CD ROM standards　　　(D) Anti Virus system

17. **How to delete records from student info table with name of student 'Hari Prasad'?**

(A) DELETE FROM TABLE student info WHERE sname='Hari Prasad';

(B) DELETE FROM student info WHERE sname='Hari Prasad';

(C) DELETE FROM student info WHERE COLUMN sname='Hari Prasad';

(D) DELETE FROM student info WHERE sname LIKE 'Hari Prasad';

18. **The vertical dimension of a sequence diagram represents-**

(A) Time   (B) Objects   (C) Lines   (D) Messages

19. **Consider the following syntax:**

<MAP NAME="World Map">

<Area Coords="0,0, 100, 200" HREF="homepage.html">

</MAP>

When would you use the above syntax?

(A) When defining an image map

(B) When referring back to homepage.html

(C) When referring to World Map

(D) When embedding a graphic in JavaScript

20. **_____ joins two or more tables based on a specified column value not equaling a specified column value in another table.**

(A) OUTER JOIN   (B) NATURAL JOIN   (C) NON-EQUIJOIN   (D) EQUIJOIN

21. **What is correct about the static data member of a class?**

(A) A static member function can access only static data members of a class.

(B) A static data member is shared among all the object of the class.

(C) A static data member can be accessed directly from main( ).

(D) Both A and B.

22. **Which of the following is NOT a type of constructor?**

(A) Copy constructor

(B) Friend constructor

(C) Default constructor

(D) Parameterized constructor

23. **$\sqrt{5.4756}$ = ?**

(A) 2.24   (B) 1.24   (C) 1.34   (D) 2.34

24. **The ozone layer restricts-**

(A) Visible light

(B) Infrared radiation

(C) X-rays and gamma rays

(D) Ultraviolet radiation

25. **Which one of the following statement is true?**

(A) Auto indentation is not possible in vi editor

(B) Auto indentation can be set using the command ':set ai'

(C) Auto indentation can be set using the command ':set noai'

(D) Auto indentation is set by default in vi editor

26. **Which of the following is the logical topology?**

(A) Token Ring   (B) Mesh   (C) Star   (D) Both (A) and (B)

27. **Which Indian was awarded the Knight Grand Cross, UK's highest civilian award in 2014?**

(A) Narayana Murthy

(B) Mukesh Ambani

(C) Sachin Tendulkar

(D) Ratan Tata

28. **Which famous company changed its name to Mondolez India Foods Ltd?**

(A) Amul   (B) Nestle   (C) Cadburys India   (D) Parle

29. **The area of a rectangle plot is 460 square metres. If the length is 15% more than the breadth, what is the breadth of the plot?**

(A) 14 metres   (B) 20 metres   (C) 18 metres   (D) 12 metres

30. **Which of the following statements is true in C++ ?**

    (A) A struct cannot have member functions   (B) A struct cannot have private members

    (C) The default access modifier of struct is public   (D) None of these

31. **The world's longest railway platform is in-**

    (A) Kharagpur   (B) Gorakhpur   (C) Jhansi   (D) Bilaspur

32. **The software used to drive microprocessor-based systems is called:**

    (A) Assembly language programs   (B) Firmware

    (C) BASIC interpreter instructions   (D) Flowchart instructions

33. **Debugging is the process of:**

    (A) Creating program code   (B) Finding and correcting errors in the program code

    (C) Identifying the task to be computerized   (D) Creating the algorithm

34. **Which of the following statements is correct in C++?**

    (A) Classes cannot have data as protected members.   (B) Structures can have functions as members.

    (C) Class members are public by default.   (D) Structure members are private by default.

35. **The mouse pointer moves erratically. What is the possible cause?**

    (A) Ball is dirty   (B) Mouse not connected   (C) Mouse not installed   (D) None of these

36. **Who was the first Indian to be elected to the British Parliament?**

    (A) Dadabhai Naoroji   (B) Jawaharlal Nehru   (C) G.K.Gokhle   (D) B.R.Ambedkar

37. **Which of the following is the most widely used alphanumeric code for computer input and output?**

    (A) Gray   (B) ASCII   (C) Parity   (D) EBCDIC

38. **What is the result of the following statement?**
x=y; z=0

    (A) x=0; y=Null; z=Null   (B) x=0;y=0;z=0

    (C) x=0;y=1;z=2   (D) None of these

39. **The process of deriving a class from another derived class is known as ?**

    (A) Single inheritance   (B) Dual inheritance   (C) Multiple inheritance   (D) Multilevel inheritance

40. **Who was the famous Deccan King whose fleet crossed the Bay of Bengal with an army and conquered a number of states in Sumatra, Java and Malaysia ?**

    (A) Samudragupta   (B) MarthandaVarma   (C) Rajendra Chola   (D) Chandragupta

41. **There are eight mango trees in a straight line. The distance between each mango tree is 3 metres. What is the distance between first tree and eighth tree?**

    (A) 21 m   (B) 23 m   (C) 26 m   (D) 24 m

42. **ODBC stands for-**

    (A) Object Data Binding Command   (B) Open Database Console   (C) Open Database Connectivity   (D) Open Database Command

43. **A father is 30 years older than his son. He will be three times as old as his son after 5 years. What is the father's present age?**

    (A) 60 years   (B) 48 years   (C) 51 years   (D) 40 years

44. The circuits in the 8085 that provide the arithmetic and logic functions are called-

(A) CPU   (B) ALU   (C) I/O   (D) Bus decoder

45. Which of the following is NOT a basic element within the microprocessor?

(A) Microcontroller   (B) Arithmetic-logic unit (ALU)

(C) Temporary register   (D) Accumulator

46. Which of the following is a dance-drama ?

(A) Kathakali   (B) Bharatnatyam   (C) Odissi   (D) Kuchipudi

47. Prime Minister of which country was Chief Guest for Indian Republic Day this year?

(A) Sri Lanka   (B) China   (C) Australia   (D) Japan

48. The new state of Telengana is the _____ state of India.

(A) 27th   (B) 26th   (C) 30th   (D) 29th

49. In water chemical treatment plant, use of chloramines ensures-

(A) Weed control   (B) Disinfection   (C) Taste and odour control   (D) Removal of hardness

50. Which is at the apex of the three tier system of Panchayati Raj system ?

(A) Gram Panchayat   (B) Gram Sabha   (C) Zila Panchayat   (D) Panchayat Samiti

51. Which Indian actor has been appointed as the UNICEF Goodwill Ambassador for South Asia?

(A) Amitabh Bachan   (B) Amir Khan   (C) Sharukh Khan   (D) Nazurudeen Shah

52. To print a Powerpoint presentation, press the keys:

(A) Ctrl + A   (B) Ctrl + Shift + P   (C) Ctrl + P   (D) Ctrl + S

53. How do you rename a file "new" to file "old"?

(A) MV new old   (B) Move new old   (C) CP new old   (D) RN new old

54. The ratio between speed of two trains is 7 : 8. If the second train runs 440 kms in 4 hours, what is the speed of the first train?

(A) 47.4 km/hr   (B) 57.19 km/hr   (C) 68.13 km/hr   (D) 96.25 km/hr

55. Questions 55-58:

Arrange the words in the most logical sequence:

1. Key 2. Door 3. Lock 4. Room 5. Switch on

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

56. 1. Table 2. Tree 3. Wood 4. Seed 5. Plant

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

57. 1. Trillion 2. Thousand 3. Billion 4. Hundred 5. Million

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

58. 1. College 2. Child 3. Salary 4. School 5. Employment

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

59. Who was awarded the Dadasaheb Phalke award for 2013?

(A) Dilip Kumar   (B) Gulzar   (C) Amitabh Bachan   (D) Yash Chopra

60. The candidate key chosen to identify each row uniquely is called _____.

(A) Alternate Key   (B) Primary Key   (C) Foreign Key   (D) None of these

61. Which of the following computer language is used for artificial intelligence?

(A) FORTRAN   (B) COBOL   (C) PROLOG   (D) MS Office

62. In a certain code FIRE is written as DGPC. When coded what will be the last letter for SHOT?

   (A)   R   (B)   S   (C)   U   (D)   V

63. Who is the first player to score a hat-trick in FIFA World Cup 2014?

   (A)   Messi   (B)   Neymar   (C)   Thomas Muller   (D)   Iniesta

64. What will happen if in a C program you assign a value to an array element whose subscript exceeds the size of array?

   (A)   The element will be set to 0.   (B)   The compiler would report an error.

   (C)   The program may crash if some important data gets overwritten.   (D)   The array size would appropriately grow.

65. Among the following, which will give the size of object or type ?

   (A)   Calloc   (B)   Malloc   (C)   Sizeof   (D)   Realloc

66. The cost of Type 1 material is ₹ 15 per kg and Type 2 material is ₹ 20 per kg. If both Type 1 and Type 2 are mixed in the ratio of 2 : 3, then what is the price per kg of the mixed variety of material?

   (A)   ₹ 19   (B)   ₹ 16   (C)   ₹ 18   (D)   ₹ 17

67. In JAVA, RMI, stub is located in-

   (A)   Client machine   (B)   Proxy   (C)   Server   (D)   None of these

68. In which city was India's first 4G service launched on February 14th?

   (A)   Mumbai   (B)   Ahmedabad   (C)   Delhi   (D)   Bangalore

69. Which of the following is NOT a valid version of MS Office?

   (A)   Office XP   (B)   Office Vista   (C)   Office 2007   (D)   None of these

70. A data dictionary-

   (A)   Is a book used by programmers to find the definitions of technical terms   (B)   Is the central place where the components of a system are defined

   (C)   Helps to avoid ambiguities among different development team members   (D)   Includes a range of acceptable values for data.

71. The output of an AND gate with three inputs, A, B and C, is HIGH when _____.

   (A)   A = 1, B = 1, C = 0   (B)   A = 0, B = 0, C = 0

   (C)   A = 1, B = 1, C = 1   (D)   A = 1, B = 0, C = 1

72. Which command is used to display the UNIX version?

   (A)   uname -r   (B)   uname -n   (C)   uname -t   (D)   kernel

73. In JAVA, string is a-

   (A)   Primitive data type   (B)   Abstract data type   (C)   Mutable class   (D)   None of these

74. Which of the following of the TCP/IP protocols is the used for transferring files from one machine to another?

   (A)   FTP   (B)   SNMP   (C)   SMTP   (D)   RPE

75. A and B invest in a business in the ratio 3: 2. Assume that 5% of the total profit goes to charity. If A's share is ₹ 855, what is the total profit?

   (A)   ₹ 1400   (B)   ₹ 1500   (C)   ₹ 1600   (D)   ₹ 1200

76. A goat is tied to one corner of a square plot of side 12m by a rope 7m long. Find the area it can graze.

   (A)   38.5 sq.m   (B)   144 sq.m   (C)   49 sq.m   (D)   84 sq.m

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77. In a class of 100 students, 50 students passed in Mathematics and 70 passed in English, 5 students failed in both Mathematics and English. How many students passed in both the subjects?

(A) 50   (B) 40   (C) 25   (D) 35

78. DCL stands for-

(A) Data Control Language   (B) Data Console Language   (C) Data Console Level   (D) Data Control Level

79. A character variable can at a time store how many characters?

(A) 1   (B) 8   (C) 254   (D) 16

80. The perimeter of a rectangular field is 480 meters and the ratio between the length and breadth is 5:3. The area of the field is:

(A) 12500 sq.m   (B) 13500 sq.m   (C) 15000 sq.m   (D) 14500 sq.m

81. What is (void*)0?

(A) Representation of NULL pointer   (B) Representation of void pointer

(C) Error   (D) None of these

82. On dividing a number by 56, we get 29 as remainder. On dividing the same number by 8, what will be the remainder ?

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

83. In a relational schema, each tuple is divided into fields called-

(A) Relations   (B) Domains   (C) Queries   (D) All of these

84. Anandiben Patel is the first woman Chief Minister of -

(A) Gujarat   (B) Haryana   (C) Andhra Pradesh   (D) Maharashtra

85. How would you round off a value from 1.66 to 2.0?

(A) ceil(1.66)   (B) floor(1.66)   (C) roundup(1.66)   (D) roundto(1.66)

86. In which case would you use a FULL OUTER JOIN?

(A) Both tables have NULL values.   (B) Need all unmatched data from one table.

(C) Need all matched data from both tables.   (D) Need all unmatched data from both tables

87. In SQL, which command is given to change a table's storage characteristics?

(A) Alter Table   (B) Modify Table   (C) Change Table   (D) New Table

88. Which of the following are unary operators in C?

1. !

2. sizeof

3. ~

4. &&

(A) 1, 2   (B) 1, 3   (C) 2, 4   (D) 1, 2, 3

89. Roshan is taller than Hardik who is shorter than Sushil. Mirza is taller than Harry but shorter than Hardik. Sushil is shorter than Roshan. Who is the tallest?

(A) Roshan   (B) Hardik   (C) Mirza   (D) Sushil

90. Which of the following correctly represents a long double constant?

(A) 6.68   (B) 6.68L   (C) 6.68f   (D) 6.68LF

91. Which of the following is correct about the statements given below?

1. All operators can be overloaded in C++.

2. We can change the basic meaning of an operator in C++.

(A) Only 1 is true.   (B) Both 1 and 2 are false.   (C) Only 2 is true.   (D) Both 1 and 2 are true.

92. **Which of the following is/are the DDL statements?**

(A) CREATE   (B) DROP   (C) ALTER   (D) All of these

93. **A flip-flop has _____.**

(A) One stable state   (B) No stable states   (C) Two stable states   (D) None of these

94. **If a signal passing through a gate is inhibited by sending a LOW into one of the inputs, and the output is HIGH, the gate is :**

(A) AND   (B) NAND   (C) NOR   (D) OR

95. **Which of the following OSI layers correspond to TCP/IP's application layer?**

(A) Application   (B) Presentation   (C) Session   (D) All of these

96. **What is the value of $(2 \times 4 \times 5)^{5n}$**

(A) $2^{5n} + 4^{5n} + 5^{5n}$ (B) $(40^5)^n$ (C) $(40)^5$ (D) $(40^n)^4$

97. **The oxygen consuming property of the wastewater expressed in terms of oxygen that is consumed biologically is:**

(A) BOD   (B) COD   (C) TOC   (D) All of these

98. **Garampani sanctuary is located at-**

(A) Junagarh, Gujarat   (B) Diphu, Assam   (C) Kohima, Nagaland   (D) Gangtok, Sikkim

99. **Pointing to a woman, Abhijit said, "Her granddaughter is the only daughter of my brother." How is the woman related to Abhijit?**

(A) Grand mother   (B) Aunt   (C) Sister-in-law   (D) Mother

100. **Kailash Satyarthi and Malala Yousafsai are in recent news because-**

(A) They climbed Mount Everest   (B) They travelled in space   (C) They share Nobel prize for Peace   (D) They won the Oscar award

101. **Which form of E-market brings together buyers and sellers from the same industry?**

(A) Horizontal   (B) Integrated   (C) Vertical   (D) Inclined

102. **In Excel, a red triangle at the top right corner of a cell indicates?**

(A) There is an error in the cell   (B) There is a comment associated with the cell

(C) The font colour of the text in cell is red   (D) The cell can't accept formula

103. **Another name of Vitamin C is:**

(A) Folic Acid   (B) Ascorbic acid   (C) Acetic acid   (D) Nitric acid

104. **Which segment do Flipkart, Amazon, eBay etc belong to?**

(A) B2G   (B) C2C   (C) B2B   (D) B2C

105. **Two pipes A and B can fill a tank in 15 minutes and 40 minutes respectively. Both the pipes are opened together but after 4 minutes, pipe A is turned off. What is the total time required to fill the tank?**

(A) 10 min 10 sec   (B) 25 min 20 sec   (C) 14 min 40 sec   (D) 20 min 10 sec

106. **RAD Stands for-**

(A) Rapid Application Development tool   (B) Raid Application Development tool

(C) Research Application Development   (D) Research Aid Design tool

107. Convert the following binary number to decimal.

01011_2

(A) 11   (B) 35   (C) 15   (D) 10

108. The key F12 opens the _____ dialog box.

(A) Save As   (B) Open   (C) Save   (D) Close

109. The newly inducted domestic airline Air Asia belongs to which country?

(A) Singapore   (B) Malaysia   (C) Thailand   (D) HongKong

110. While working on a JavaScript project, in your JavaScript application, which function would you use to send messages to users requesting for text input?

(A) Display( )   (B) Prompt( )   (C) Alert( )   (D) GetInput( )

111. Every time a man hits the target he gets one rupee and every time he misses the target he has to pay one rupee. He is allowed to try 100 times and gets an amount of ₹ 30. How many times did he hit the target?

(A) 60   (B) 70   (C) 50   (D) 65

112. Which file starts MS Word?

(A) Winword.exe   (B) Word.exe   (C) Msword.exe   (D) Word2003.exe

113. HIPO stands for-

(A) Hierarchy input process output   (B) Hierarchy input plus output   (C) Hierarchy plus input process output   (D) Hierarchy input output Process

114. Which of the following approach is adapted by C++?

(A) Top- Down   (B) Bottom-Up   (C) Right-Left   (D) Left-Right

115. A sum of money at simple interest amounts to ₹ 2240 in two years and ₹ 2600 in 5 years. What is the sum?

(A) ₹ 1900   (B) ₹ 2100   (C) ₹ 2000   (D) ₹1980

116. Which of the following is a fundamental operation in relational algebra ?

(A) Set intersection   (B) Natural join   (C) Assignment   (D) None of these

117. How we can define member function outside the class ?

(A) Using union   (B) Using structure   (C) Using pointers   (D) Using scope resolution

118. The Indian boxer who was recently banned by AIBA is :

(A) Karnam Malleswari   (B) Mary Kom   (C) Sarita Devi   (D) Saina Nehwal

119. When purchase requests from multiple sources are combined into one single large order to attract more discount, the process is known as-

(A) Digital divide   (B) Global divide   (C) Demand aggregation   (D) Sales promotion

120. Which part of the laser printer should NOT be exposed to sunlight?

(A) Transfer Corona Assembly   (B) PC Drum   (C) Corona wire   (D) Toner Cartridge

121. Which of the following is part of E-Commerce?

(A) B2B   (B) B2C   (C) B2G   (D) All of these

122. Which letter group do not belong to the others here?

(A) YWU   (B) NLJ   (C) KIF   (D) PNL

123. The absence of fluorides in drinking water encourages-

(A) Hepatitis   (B) Dental Fluorosis   (C) Dental decay   (D) None of these

124. The expression W(X + YZ) can be converted to SOP form by applying which law?

(A) Associative law   (B) Commutative law   (C) Distributive law   (D) None of these

125. Devices on one network can communicate with devices on another network via a-

(A) File Server   (B) Utility Server   (C) Printer Server   (D) Gateway

126. There are 20 students with an average height of 105 cms in a class. Then 10 students with an average height of 120 cms join the class. What will be the average height of the class now?

(A) 120 cms   (B) 110 cms   (C) 115 cms   (D) 100 cms

127. Which team won the 2014 Ranji Trophy?

(A) Karnataka   (B) Railways   (C) Mumbai   (D) Chennai

128. What is the name given to the molecular-scale computer?

(A) Femtocomputer   (B) Nanocomputer   (C) Supercomputer   (D) Microcomputer

129. Water is filled in a cylindrical vessel in such a way that its volume doubles after every five minutes. If it takes 30 minutes for the vessel to be full, then the vessel will be one fourth full in-

(A) 20 minutes   (B) 15 minutes   (C) 10 minutes   (D) 7.5 minutes

130. On an Excel sheet, the active cell is indicated by ?

(A) A dotted border   (B) A dark wide border   (C) A blinking border   (D) By italic text

131. DMA is particularly suited for data transfer between the _____.

(A) Disk drive and CPU   (B) Disk drive and RAM   (C) Disk drive and ROM   (D) Disk drive and I/O

132. In vi editor, the key combination CTRL+f:

(A) Moves screen down one page   (B) Moves screen up one page   (C) Moves screen up one line   (D) Moves screen down one line

133. Using Linux, a user can change the default log-in shell using-

(A) chmod   (B) chsh   (C) rmsh   (D) tchsh

134. Which of the following is NOT a binary operator in relational algebra?

(A) Join   (B) Semi-Join   (C) Assignment   (D) Project

135. Determine the output frequency for a frequency division circuit that contains 12 flip-flops with an input clock frequency of 20.48 MHz.

(A) 10.24 kHz   (B) 5 kHz   (C) 30.24 kHz   (D) 15 kHz

136. Stacks are based on?

(A) FIFO   (B) LIFO   (C) FILO   (D) All of these

137. Ravi travelled 4 km straight towards South. He turned left and travelled 6 km straight, then turned right and travelled 4 km straight. How far is he from the starting point?

(A) 10 km   (B) 8 km   (C) 12 km   (D) 4 km

138. What is the following statement?

extern int i;

(A) Declaration   (B) Definition   (C) Function   (D) Error

139. Find the odd man out.

1, 8, 27, 64, 125, 196, 216, 343

(A) 64   (B) 196   (C) 216   (D) 1

140. Which of the following methods can be used to draw the outline of a square within a JAVA.awt.Component object?

1. fillRect ( )

2. drawRect( )

3. drawLine( )

4. drawPolygon( )

(A) 1, 2, 3 & 4   (B) 1, 3 & 4   (C) 2, 3 & 4   (D) 1 & 4

141. The assignment operator is denoted by-

(A) ->   (B) <-   (C) =   (D) ==

142. The type of prototype used during the analysis phase of System design is the-

(A) Design prototype   (B) Evolving prototype   (C) Discovery prototype   (D) Functioning prototype

143. Codes consisting of light and dark marks which may be optically read is known as-

(A) Mnemonics   (B) Bar code   (C) Decoder   (D) All of these

144. Which of the transport layer protocols is connectionless?

(A) UDP   (B) TCP   (C) FTP   (D) NVT

145. In the recently concluded Asian Games, what was the rank of India in the final medal tally?

(A) 5th   (B) 8th   (C) 6th   (D) 7th

146. A can do a piece of work in 80 days. He works at it for 10 days & then B alone finishes the remaining work in 42 days. In how many days will A and B, working together, finish the work?

(A) 25   (B) 30   (C) 23   (D) 28

147. Which of the following statements should be used to obtain a remainder after dividing 3.14 by 2.1 ?

(A) rem = 3.14 % 2.1;   (B) rem = modf(3.14, 2.1);

(C) rem = fmod(3.14, 2.1);   (D) Remainder cannot be obtained in floating point division.

148. Find the next term in the series:

3, 6, 9, 18, 27, 54, (…)

(A) 108   (B) 63   (C) 81   (D) 72

149. The minimal set of Super Key is called-

(A) Primary key   (B) Secondary Key   (C) Candidate key   (D) Foreign key

150. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?

(A) 8.2   (B) 4.2   (C) 6.1   (D) 7.2