THE GAUHATI HIGH COURT AT GUWAHATI

(The High Court of Assam, Nagaland, Mizoram and Arunachal Pradesh)

Written Examination (OMR based Objective Type Questions with Multiple Choices) in connection with direct recruitment of PROGRAMMER for the Judicial Academy, Assam.

Total Marks: 100+20=120   **Duration: 2 hours**
Date: 18.11.2018 (Sunday)   **Time: 10.00 am to 12.00 pm**

Total number of questions=120
[Assamese Language Segment (Q. No.101 to 120) is qualifying in nature]

GENERAL ENGLISH

Directions for Q.1 to 3: In the following questions choose the word which best expresses the SIMILAR meaning of the given word

1. ENLIGHTENED

   (A) Confounded   (B) Perplexed   (C) Ignore   (D) Aware

2. EMBEZZLE

   (A) Misappropriate   (B) Remunerate   (C) Balance   (D) Clear

3. PUERILE

   (A) Childish   (B) Cowardly   (C) Considerate   (D) Abusive

Directions for Q.4 to 6: In the following questions choose the word which best expresses the OPPOSITE meaning of the given word.

4. NIGGARDLY

   (A) Frugal   (B) Stingy   (C) Thrifty   (D) Generous

5. INTEGRATED

   (A) Isolate   (B) Distinguish   (C) Analyse   (D) Mark

6. INFALLIBLE

   (A) Unreliable   (B) Untrustworthy   (C) Dubious   (D) Erring

Directions for Q.7 to 8: In the following questions find out the correct meaning of the idiomatic expression.

7. To leave someone in the lurch

   (A) To come to compromise with someone   (B) Constant Source of annoyance to someone

   (C) To put someone at case   (D) To desert someone in his difficulties

8. To smell a rat

   (A) To see the signs of plague epidemic   (B) To get bad smell of a dead rat

   (C) To suspect foul dealing   (D) To be in a bad mood

   Directions for Q.9 to 10: In the following questions choose the correct preposition to fill up the blank from the four given choices

9. Ram goes to school ------------ bus

   (A) In   (B) By   (C) On   (D) With

10. I caught him ---------------- the arm

(A) From   (B) On   (C) In   (D) By

GENERAL KNOWLEDGE

11. Who among the following was the First President of Assam Sahitya Sabha ?

    (A) Lakhsmi Nath Bezbarua   (B) Bishnu Prasad Rabha

    (C) Padma Nath Gohain Baruah   (D) Parvati Prasad Baruah.

12. When did the Ahom come to Assam?

    (A) 1228   (B) 1301   (C) 1268   (D) 1947

13. Who was the First Assamese Judge of Supreme Court of India?

    (A) Justice Ranjan Gogoi   (B) Justice Sailendra Nath Phukan

    (C) Justice Amitabha Roy   (D) Justice Parvati Kumar Goswami

14. Hima Das won gold medal in which of the following event of Asian Games 2018?

    (A) 4x100 m relay   (B) 4x200 m relay   (C) 100 m   (D) 200m

15. Who was the first Governor of Assam after Independence?

    (A) Akbor Haidory   (B) Gopinath Bordoloi

    (C) Bishnu Ram Medhi   (D) Bhisma Narayan Singh

16. Who wrote the book Katha Saritsagar ?

    (A) Kalidas   (B) Somdev   (C) Bana Bhatta   (D) Bhababhuti

17. Red Corridor is related to :

    (A) Naxalite area   (B) Accident Prone area

    (C) Unman Railway Crossing   (D) Eco sensitive Zone

18. What is super bug?

    (A) Computer Virus which remain undetected?

    (B) Bacteria can carry genes that allow them to survive exposure to the antibiotics we currently have.

    (C) Form of Artificial Intelligent

    (D) None of these

19. YAWS is a chronic infection caused by :

    (A) Virus   (B) Bacteria   (C) Protozoa   (D) Fungi

20. Recently which Ministry has started "Mission 41K" for the savings in electricity expenditure?

    (A) Ministry of Coal   (B) Ministry of Energy

    (C) Ministry of Railway   (D) Ministry for Small and Medium Enterprises

21. Consider the following statements about the Agni-V missile:

    (i)   The nuclear –capable missile has a strike range of over 5,000-km.

    (ii)   It can be transported and swiftly launched from anywhere on land. It can even be launched from canisters.

    (iii)   It has been developed by ISRO.

    Which of the statements given above are correct?

(A) (i) and (ii) only   (B) (ii) and (iii) only

(C) (i) and (iii) only   (D) (i), (ii) and (iii) only

22.   Which of the following provisions of the Constitution is /are not applicable to the State of Jammu and Kashmir in India?

   (i) Part IV   (ii) Part IV A   (iii) Fifth Schedule

   Select the correct answer using the code given below:

   (A) (iii) only   (B) (ii) and (iii)   (C) (i) and (iii)   (D) (i), (ii) and (iii)

23. What is "Pratyush" recently seen in news?

   (A) It is India's fastest and first "multi-petaflops" supercomputer.

   (B) It is the proposed Indian satellite to understand the mysterious and energetic interface between the surface and corona of the Sun

   (C) It is the name of the naval version of India's Akash Missile.

   (D) None of the above

24. If one has to travel from Gujarat to Arunachal Pradesh, then minimum how many number of states one has to cross (including source and destination states)?

   (A) 6   (B) 7   (C) 8   (D) 9

25. Which of the following is celebrated as "Legal Services Day"

   (A) November 9   (B) October 11   (C) December 7   (D) November 21

26. The First newspaper in India was

   (A) Sambad Kaumudi   (B) Bengal Gazette   (C) Marat–ul-Akbar   (D) Pioneer

27. The Constitution of India has introduced single citizenship on the pattern of

   (A) Britain   (B) Ireland   (C) USA   (D) Both (A) and (B)

28. Money Bill can be introduced in the State Legislature with the prior consent of

   (A) The speaker   (B) The Chief Minister (C) The Governor   (D) The President

29. What is the Capital of "Libia"

   (A) Bairut   (B)Tripoli   (C) Abudhabi   (D) Lima

30. The currency of the Country "Thailand" is

   (A) Baht   (B) Rupia   (C) Lira   (D) Dinar

GENERAL APTITUDE

31. Six friends A,B,C,D,E,F are seated in a circle facing centre. If F is between A and D, C is between E and B, E is not between D and C , and D is 2nd to the left of C; which one of the following is the position of D?

   (A) 2nd to the right of A   (B) Next to the right of B

   (C) 3rd to the left of B   (D) 4th to the right of A

32. A man is 24 years older than his son. In two years, his age will be twice the age of his son. Which one of the following is the present age of his son?

   (A) 14 years   (B) 18 years   (C) 20 years   (D) 22 years

33. The sum of ages of 5 children born at the intervals of 3 years each is 50 years. Which one of the following is the age of the youngest child ?

(A) 4 years   (B) 5 years   (C) 6 years   (D) 10 years

34. A number consists of two digits. If the digits interchange places and the new number is added to the original number, then the resulting number will always be divisible by:

(A) 10   (B) 11   (C) 12   (D) 13

35. Ms X drove at the speed of 45 km/hr from home to a resort. Returning over the same route she got stuck in traffic and took an hour longer, also she could drive only at the speed of 40 km/hr. How many kilometres did she drive each way?

(A) 250   (B) 300   (C) 310   (D) 360

36. If the ratio of the sum and difference of two numbers be 17:13, which one of the following is the ratio of the numbers ?

(A) 12:5   (B) 15:2   (C) 9:8   (D) 2:15

37. What should come next in the following number series?

4 5 3 2 1 5 4 5 3 2 1 4 4 5 3 2 1 3 4 5 3 2 1

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

38. Consider the five people A, B, C, D and E, each having different age. A is younger than only B. C is older than D. D is not the youngest. Who amongst the following are older than C?

(A) Only A and B   (B) Only E, B and A   (C) Only A and E   (D) Only E and B

39. Point B is 3 metres North of point A. Point C is 3 metres West of point B. Point D is 5 metres South of point C. Point E is 7 metres East of point D. In which of the following directions is point E, with reference to point B?

(A) East   (B) South-East   (C) North-East   (D) South

40. In a row of children facing North, A stands 15th from left and B stands 9th from left. C who stands exactly between A and B is 7th from right. What is the total number of children standing in the row?

(A) 21   (B) 17   (C) 18   (D)19

41. B is the father of Q. B has only two children. Q is the brother of R. R is the daughter of P. A is the granddaughter of P. S is the father of A. How is S related to Q?

(A) Son   (B) Son-in-law   (C) Brother   (D) Brother-in-law

Directions (Q. 42 to 46): Study the following information carefully and answer the given questions.

Seven people P,Q,R,S,T,W and X are sitting in a straight line facing North, not necessarily in the same order.

R sits at one of the extreme ends of the line.

T has as many people sitting on his right, as to his left.

S sits third to the left of X

Q sits to the immediate left of W.

Q does not sit at any of the extreme ends of the line.

42. If all the people are made to sit in alphabetical order from right to left, the positions of how many people will remain unchanged?

    (A) Five   (B) One   (C) Three   (D) Two

43. How many people sit to the right of P?

    (A) Four   (B) Five   (C) Two   (D) One

44. Four of the following five are alike in a certain way, based on the information given above and so form a group. Which is the one that does not belong to that group?

    (A) P   (B) X   (C) Q   (D) W

45. Who amongst the following are immediate neighbours of S?

    (A) T and R   (B) Q and P   (C) W and R   (D) R and P

46. Who amongst the following sits second to the right of fourth person from the right end of the line?

    (A) W   (B) Q   (C) R   (D) P

Directions (Q.47 to 49):   Three of the following four are alike in a certain way (based on the position of alphabets in the English alphabetical series) and hence form a group. Which is the one that does not belong to that group?

47.   (A) UVXS   (B) CDFA   (C) FGID   (D) QROT

48.   (A) ABCDEFGR   (B) ABCDEU   (C) ABCW   (D) ABCDEFT

49.   (A) DEI   (B) FGM   (C) BCE   (D) IJR

50. Sound travels at 330 metres a second. How many kilometres away is a thundercloud when its sound follows the flash after 10 seconds?

    (A) 3.30   (B) 33   (C) 0.33   (D) 3.33

Computer/Programming Knowledge

51. 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

52. In Data flow diagram (DFD) which symbol represent Data Stores

    (A) Circle   (B) rectangle   (C) Open ended rectangle   (D) square

53. 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) None of the above

54. The primary key must be

    (A) Unique   (B) Not Null   (C) Both A & B   (D) None of these

55. Gantt chart is used in

    (A) hardware management   (B) while preparing DFD

    (C) software project management   (D) All of the above

56. 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

57. In the following statement, what does "person" stands for:
INSERT INTO person
(person_id, fname, lname)
VALUES (1,'S','P');

    (A) Composite attributes   (B) Multivalued attributes

    (C) Table name   (D) None of these

58. Character data can be stored as _____ in PostgreSQL

    (A) Fixed length string   (B) Variable length string

    (C) Either (a) or (b)   (D) None of these

59. Which of the following is not a valid variable name in PHP?

    (A) $number_in_class   (B) $ghc

    (C) $NumberInClass   (D) $number-in-class

60. How do you get information from a form that is submitted using the "GET" method in PHP?

    (A) $_GET[ ];   (B) Request.Form;

    (C) Request.QueryString;   (D) $_POST[ ];

61. NoSQL databases is used mainly for handling large volumes of _____ data.

    (A) unstructured   (B) structured

    (C) semi-structured   (D) All of the mentioned

62. Which of the following is not a NoSQL database ?

    (A) SQL Server   (B) MongoDB   (C) Cassandra   (D) HBase

63. The file permission 764 in Linux means:

    (A) Every one can read, group can execute only and the owner can read and write

    (B) Every one can read and write, but owner alone can execute

    (C) Every one can read, group including owner can write, owner alone can execute

    (D) Every one can read and write and execute

64. What are the ACID properties related to Transaction properties in case of databases?

    (A) Atomicity, Consistency, Isolation, Database

    (B) Atomicity, Consistency, Inconsistency, Database

    (C) Atomicity, Consistency, Isolation, Durability

    (D) Automatically, Concurrency, Isolation, Durability

65. AJAX stands for

(A) advanced JSP and xml

(B) asynchronous javascript and xml

(C) asynchronous JSP and xml

(D) advanced javascript and xml

66. Which file is read by init to get the default run level in linux ?

(A) /etc/profile

(B) /etc/init

(C) /etc/boot

(D) /etc/inittab

67. For every successful login, which script will be executed in linux??

(A) /etc/login

(B) /etc/inittab

(C) /etc/profile

(D) /etc/init

68. Hidden files in linux are ?

(A) Those whose 'read' bit is set to 'h'

(B) Files that begin with a '.'

(C) Files that cannot be opened by ordinary user for writing

(D) Those whose 'read' bit is set to 'h'

69. What is the full form of http?

(A) Hyper Text Transmission Protocol

(B) Hyper Text Transfer Protocol

(C) Hyper Tension Transfer Protocol

(D) Hyper Text Test Protocol

70. 'OCR' stands for?

(A) Optimal Code Recognition

(B) Optical Code Recognition

(C) Optical Character Recognition

(D) Optimal Character Recognition

71. Internet Protocol version 6 (IPv6) uses ?

(A) 32 bit

(B) 64 bit

(C) 128 bit

(D) 8 bit

72. Full form of SSL is ?

(A) Secure Sockets Laptop

(B) Secure Sockets Layer

(C) System Sockets Layer

(D) Secure System Layer

73. Expand the term VLAN

(A) Virtual local area network

(B) Voice area network

(C) Visual area network

(D) Virtual area network

74. JavaScript Code is written inside file having extension _____.

(A) .jvs

(B) .javascript

(C) .js

(D) .jsc

75. A relational database consists of a collection of

(A) Tables

(B) Fields

(C) Records

(D) Keys

76. The term _____ is used to refer to a row.

(A) Attribute

(B) Tuple

(C) Field

(D) Instance

77. Drupal, Joomla, WordPress are

(A) Names of webservers
(B) Names of NOSQL databases

(C) Content Management Systems
(D) None of these

78. In building applications using Java, PHP, etc. Which of the following IDE are used;

(A) NetBeans, Eclipse, JSON
(B) Android Studio, Visual Andrid, JBuilder

(C) NetBeans, Eclipse
(D) JBuilder, Visual Studio, Orion

79. Which variable is used to collect form data sent with both the GET and POST methods in PHP?

(A) $BOTH
(B) $_BOTH
(C) $ REQUEST
(D) $_REQUEST

80. Which one of the following should not be used while sending passwords or other sensitive information?

(A) GET
(B) POST
(C) REQUEST
(D) NEXT

81. PHP is a _____ It means you do not have to tell PHP which data type the variable is PHP automatically converts the variable to the correct data type, depending on its value.

(A) client side language
(B) local language

(C) global language
(D) loosely typed language

82. Which among the following are the correct definitions for "NULL" in Mysql?

(A) Absence of value
(B) Unknown
(C) Empty set
(D) All of these

83. Which line of the following statements will produce error?

(A) SELECT * FROM person WHERE person_id=1;
(B) SELECT pname FROM person;
(C) SELECT pname,lname, person_id FROM person;
(D) None of these

84. Which among the following tags belong to Data Manipulation language?

(A) UPDATE
(B) ALTER
(C) MODIFY
(D) All of these

85. An employee table contains 2000 records with one field called Department. There are 10 different departments. How many rows will be there in the output of the following statement:

Select Department, count(*) from employee group by Department;

(A) 2000 rows
(B) 10 rows
(C) 200 rows
(D) 0 rows

86. A view is nothing but a _____ table or a stored query.

(A) Dynamic
(B) Real
(C) Virtual
(D) Static

87. The method of communication in which transmission takes place in both directions, but only one direction at a time is called

(A) Half Duplex
(B) Full Duplex
(C) Simplex
(D) Four wire circuit

88. The network topology with highest reliability is

(A) Bus topology
(B) Mesh topology
(C) Star topology
(D) Ring topology

89. Which of the followings is used in communications is referred to as unshielded twisted-pair (UTP)

(A) Coaxial Cable   (B) Fibre-Optic Cable   (C) Twisted-pair cable   (D) None of these

90. What is true in case of MAC address in a networking device.

(A) The address is assigned dynamically   (B) It is not constant

(C) 128 bit   (D) It is constant and do not change

91. What is the size of the MAC Address?

(A) 24 bit   (B) 48 bit   (C) 12 bit   (D) None of these

92. Fraudulent attempt to obtain sensitive information such as usernames, passwords and credit card details by disguising as a trustworthy entity.

(A) Viruses   (B) Man –in –the middle

(C) Phishing   (D) DDoS attack

93. File management function of the operating system includes

i) File creation and deletion   ii) Disk scheduling

iii) Directory creation   iv) Mapping file in secondary storage.

(A) i, ii and iii only   (B) i, iii and iv only
(C) ii, iii and iv only   (D) All i, ii, iii and iv

94. The sum of the seek time, and the rotational delay in the case of Hard Disk is called the

(A) reached time   (B) access time   (C) arrived time   (D) common time

95. A thread is a .... process.

(A) heavy weight   (B) multiprocess   (C) light weight   (D) inter thread

96. Which of the following characteristics are normally used to describe a printer/scanner:

(A) RPM, DPI   (B) CPS, RPM   (C) PPM, DPI   (D) BPS, RPM

97. Which protocol does Ping use?

(A) TCP   (B) ARP   (C) ICMP   (D) None of these

98. Which of the following terms is used to describe a hardware- or software-based device that protects networks from outside threats?

(A) Modem   (B) Firewall   (C) Gateway   (D) Hub

99. The process is ....

(A) An instance of a program in execution   (B) a program only

(C) A processor state   (D) the kernel state

100. Which directory implementation is used in most of the Operating System?

(A) single level directory structure   (B) two level directory structure

(C) tree directory structure   (D) acyclic directory structure

Assamese Language Segment

তলত দিয়া পুংলিঙ্গবোৰৰ স্ত্ৰীলিঙ্গ নিৰ্ণয় কৰক

101. পৈ
   - A. মহিলা
   - B. নাচনী
   - C. ঘৈণী
   - D. বান্ধৱী

102. দঁতাল
   - A. মাখুন্দী
   - B. কাঢলী
   - C. কাজলী
   - D. চেউৰী

তলত উল্লেখ কৰা জতুৱা খণ্ড বাক্যবোৰৰ অৰ্থ নিৰ্ণয় কৰক

103. আঁঠুৰা তলৰ মহ
   - A. অদ্ভুত প্ৰাণী
   - B. তলতীয়া মানুহ
   - C. অচিনাকী প্ৰাণী
   - D. নেদেখা প্ৰাণী

104. গা নৰিয়া
   - A. গৰ্ভৱতী
   - B. বেমাৰৰ পৰা উঠ
   - C. বেমাৰত কৰ্কবকাই থকা
   - D. বেমাৰত পৰা

105. টুপাই বুৰ মাৰ
   - A. মিছা কথা কোৱা
   - B. অস্বীকাৰ কৰ
   - C. পানীত বুৰ মাৰ
   - D. টোপনিয়াই থকা

106. ডিঙিৰ হাৰমাল
   - A. এৰিবও নোৱাৰা ধৰিবও নোৱাৰা কাৰ্য্য বা মানুহ
   - B. ডিঙিত পিন্ধা হাৰ
   - C. চিনাকী
   - D. অতি মৰমৰ

107. ধনঞ্জয় বায়ু
   - A. শেষৰ আশা
   - B. অকামিলা
   - C. শ্বাস-প্ৰশ্বাস
   - D. দূষিত বায়ু

এটা শব্দত প্ৰকাশ কৰক

108. যাৰ পূৰ্বজন্মৰ কথা মনত আছে
   - A. জ্ঞানী
   - B. জাতিস্মৰ
   - C. সৰ্বজ্ঞান
   - D. সৰ্বজ্ঞ

109. যি নিজে নিজে হয়
   - A. জীৱিত
   - B. স্বয়ন্তু
   - C. সাৰুৱা
   - D. নিৰ্জীৱ

110. বধ কৰিবৰ ইচ্ছা
   - A. জিঘাংসা
   - B. বধ্য
   - C. হত্যাকাৰী
   - D. হিংসুক

111. যি মাতৃৰ মাত্ৰ এটাহে সন্তান
   - A. সহোদৰ
   - B. সমসাময়িক
   - C. কাকবন্ধ্যা
   - D. সোদৰ

112. মাটিৰ সৰু টেকেলি
   - A. ভুৰুকা
   - B. কেটলি
   - C. মলা
   - D. চাকি

বিপৰীত শব্দ লিখক

113. প্ৰাচ্য

    A. পশ্চিম   B. পিছফাল

    C. পাশ্চাত্য   D. পশ্চিমীয়া

114. আচামী

    A. গোচৰীয়া   B. ফৰিয়াদী

    C. দৰখাস্তিকাৰী   D. আবেদনকাৰী

তলত দিয়া বিশেষ্য পদবোৰৰ বিশেষণবোৰ লিখক

115. উখান

    A. উত্থাপিত   B. উত্থিত

    C. উল্লাসিত   D. উচ্ছেদ

116. পৃথিৱী

    A. ধৰিত্ৰী   B. পাশ্চাত্য

    C. প্ৰতীত   D. উচ্ছেদ

তলত দিয়া বিশেষণ পদবোৰৰ বিশেষ্য পদবোৰ লিখক

117. অতিশয়

    A. আতিশয্য   B. অধিক

    C. অতিৰিক্ত   D. অতি বেছি

118. বিষম

    A. ভয়লগা   B. বৈষম্য

    C. বৈচিত্ৰ   D. বৈধ

তলত দিয়া সন্ধিবোৰ যোৱা লগাওক

119. অতি + উত্তম

    A. অতিত্তম   B. অতিউত্তম

    C. অত্যুত্তম   D. অতউত্তম

120. নদী + অম্বু

    A. নদীম্বু   B. নদ্যম্বু

    C. নম্বু   D. নদম্বু

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