

**THE GAUHATI HIGH COURT AT GUWAHATI**

(THE HIGH COURT OF ASSAM, NAGALAND, MIZORAM & ARUNACHAL PRADESH)

**WRITTEN EXAMINATION (OMR based objective type multiple choice questions) FOR THE DIRECT  
RECRUITMENT OF PROGRAMMER FOR THE JUDICIAL ACADEMY, ASSAM.**

**Date: 09-09-2023**

**Time: 10:00 AM to 12:00 Noon**

**Total Marks: 120**

**Duration: 2 Hours**

***Each question carries 1 mark. There is no negative marking.***

**GENERAL ENGLISH**

**DIRECTION: Find the antonym of the given words.**

**1. PUERILE**

- A) Dirty
- B) Mature
- C) Naïve
- D) Impure

**2. GLOAT**

- A) Regret
- B) Boast
- C) Consider
- D) Laugh

**3. MYSTIFY**

- A) Persuade
- B) Beguile
- C) Rain
- D) Satisfy

**4. Find the incorrectly spelt word.**

- A) Inveigle
- B) Carat
- C) Taxydermy
- D) Karat

**DIRECTION: Find the correct word which can be substituted for the given sentence.**

**5. A person who pretends to have more knowledge or skill than he really has.**

- A) Renegade
- B) Charlatan
- C) Apostle
- D) Messiah

**6. A style in which a writer, through minute details and precision, makes a display of his excessive knowledge.**

- A) Pompous
- B) Pendantic
- C) Ornate
- D) Verbose

**DIRECTION: Choose the word that can substitute the given sentence.**

**7. The study of human societies and cultures and their development.**

- A) Psychology
- B) Ethnology
- C) Oncology
- D) Anthropology

**8. A person who walks in his sleep**

- A) Somnambulist
- B) Acrobat
- C) Philologist
- D) Publican

**DIRECTION: Identify the conjunction in the given sentences.**

**9. She was tired, yet she stayed up to keep her brother company.**

- A) Yet
- B) Up
- C) To
- D) Keep

**10. She refused to go to school because she thought it would rain.**

- A) She
- B) Refused
- C) Because
- D) Go

### **GENERAL KNOWLEDGE**

**11. Which Irish singer passed away recently?**

- A) Imelda May
- B) Ronan Keating
- C) Bono
- D) Sinead O'Connor

**12. Who finished third in the FIFA 2023 Women's World Cup?**

- A) Spain
- B) Sweden
- C) USA
- D) Japan

**13. Where is the Institute of Wood Science and Technology located in which place of India?**

- A) Jodhpur
- B) Bhilai
- C) Bengaluru
- D) Jowai

**14. The Rohtang Pass connects which of the following valleys?**

- A) Kullu and Spiti
- B) Kali and Dholi
- C) Jhelum and Ravi
- D) Bhagirathi and Alaknanda

- 15. Who were the immediate successors of the Mauryas in Magadha?**  
A) Satavahanas  
B) Sungas  
C) Kushanas  
D) Guptas
- 16. The Good Friday Agreement of 1998 was aimed to end violence in which country?**  
A) Bosnia-Herzegovina  
B) Republic of Ireland  
C) Serbia  
D) Northern Ireland
- 17. Who wrote the book "*City of Joy*"?**  
A) Larry Collins  
B) Mark Tully  
C) Amish  
D) Dominique Lapierre
- 18. What is the binary number equivalent of the decimal number 32.25?**  
A) 100000.01  
B) 100010.01  
C) 100000.10  
D) 100010.10
- 19. DHCP is mainly used in \_\_\_\_\_**  
A) Routing  
B) Providing IP address automatically to devices  
C) Multicasting  
D) Converting IP address to domain name
- 20. Brucellosis is caused by \_\_\_\_\_**  
A) Protozoa  
B) Virus  
C) Bacteria  
D) Fungus
- 21. Who was the first Emperor of the Rome?**  
A) Nero  
B) Julius Caesar  
C) Octavian Augustus  
D) None of the above
- 22. Alexander the Great was born in which modern day country?**  
A) North Macedonia  
B) Greece  
C) Turkey  
D) Albania

- 23. Which of the following is the only paramilitary force with a dual control structure?**
- A) Indo Tibetan Border Police
  - B) Central Industrial Security Force
  - C) Border Security Force
  - D) Assam Rifles
- 24. Who is the only Prime Minister of Britain who was assassinated?**
- A) William Pitt the Younger
  - B) David Lloyd George
  - C) Edward Heath
  - D) Spencer Perceval
- 25. Which is the only Ramsar site in Assam?**
- A) Chandubi Lake
  - B) Deepor Beel
  - C) Maguri Motapung Beel
  - D) Kopili River
- 26. Which town is known as the Manchester of Assam?**
- A) Tezpur
  - B) Makum
  - C) Sualkuchi
  - D) Namrup
- 27. Who was the first Vice-Chancellor of Gauhati University?**
- A) Krishna Kanta Handique
  - B) Radha Gobinda Baruah
  - C) Hemchandra Goswami
  - D) Rajanikanta Borodloi
- 28. Who is credited with coining the term "psychology"?**
- A) Rudolph Goclenius
  - B) Aldous Huxley
  - C) Sigmund Freud
  - D) Rene Descartes
- 29. Who was the first Chief Justice of India?**
- A) M. Patanjali Sastri
  - B) Mehr Chand Mahajan
  - C) Harilal Jekisundas Kania
  - D) P.B. Gajendragadkar
- 30. Which Indian State was the first to pass a Right to Health Bill?**
- A) Kerala
  - B) Rajasthan
  - C) Sikkim
  - D) Himachal Pradesh

### **GENERAL APTITUDE**

- 31. Today is Thursday. After 132 days, it will be \_\_\_\_\_**  
A) Monday  
B) Wednesday  
C) Sunday  
D) Friday
- 32. The day after the day after tomorrow is four days before Monday. What day is it today?**  
A) Monday  
B) Tuesday  
C) Wednesday  
D) Thursday
- 33. In a row of trees, a tree is 7<sup>th</sup> from the left end and 14<sup>th</sup> from the right end. How many trees are there in the row?**  
A) 17  
B) 18  
C) 19  
D) 20
- 34. A man is 24 years older than his son. In two years, he will be twice the age of his son. How old is the son?**  
A) 20  
B) 18  
C) 22  
D) 24
- 35. 'M' sits on the right of 'N'. 'N' sits between 'O' and 'P'. Who sits farthest to the right?**  
A) P  
B) N  
C) M  
D) O
- 36. Gravity is related to pull in the same way as magnetism is related to \_\_\_\_\_**  
A) Repulsion  
B) Separation  
C) Attraction  
D) Push
- 37. 1, 9, 25, 49, \_\_\_\_, 121. Fill in the blank.**  
A) 64  
B) 81  
C) 100  
D) 111
- 38. The rate at which a sum becomes four times of itself in 25 years at S.I., will be?**  
A) 30%  
B) 25%  
C) 12%  
D) 49%



39. If it takes 60 seconds to complete one round around a clock, what would be time required to complete 1200 rounds of the same clock?
- A) 3 hours
  - B) 42000 seconds
  - C) 45000 seconds
  - D) 1200 minutes
40. Find the odd number among the following numbers:  
396, 462, 572, 427, 671, 264
- A) 427
  - B) 396
  - C) 671
  - D) 572
41. The average of five numbers is 27. If one number is excluded, the average becomes 25. Which is the excluded number?
- A) 25
  - B) 35
  - C) 45
  - D) 55
42. Three numbers are in the ratio 4 : 5 : 6 and their average is 25. The largest number is \_\_\_\_\_
- A) 30
  - B) 40
  - C) 50
  - D) 60
43. A can do a piece of work in 60 hours. If he takes his son with him and both work together, then the work is finished in 40 hours. How many hours will the son take to do the same work, if he worked alone?
- A) 20
  - B) 50
  - C) 100
  - D) 120
44. Half percent, written as a decimal is \_\_\_\_\_
- A) 0.2
  - B) 0.02
  - C) 0.005
  - D) 0.05
45. Find the odd one out:  
Arrow, Axe, Knife, Dagger, Sword
- A) Knife
  - B) Arrow
  - C) Dagger
  - D) Axe

46. Complete the series:  
1, 6, 13, 22, 33, \_\_\_\_\_
- A) 46
  - B) 48
  - C) 49
  - D) 51
47. Dilip is the brother of Rahul. Sujata is the sister of Atul. Rahul is the son of Sujata. How is Dilip related to Sujata?
- A) Son
  - B) Brother
  - C) Nephew
  - D) Father
48. A man said, "*This woman is the wife of the grandson of my mother.*" How is the man related to the woman?
- A) Grandfather
  - B) Father-in-law
  - C) Husband
  - D) Father
49. A, B and C are sisters. D is the brother of E and E is the daughter of B. How is A related to D?
- A) Cousin
  - B) Sister
  - C) Aunt
  - D) Niece
50. A man walks 1 km to the east and then turns south and walks 5 km. He then turns to the east and walks 2 km. After this, he turns to the north and walks another 9 km. How far is he from his starting point?
- A) 3 km
  - B) 4 km
  - C) 6 km
  - D) 5 km

**TECHNICAL**

51. Which programming paradigm emphasizes on writing code that is easy to read and maintain?
- a) Procedural programming
  - b) Object-oriented programming
  - c) Functional programming
  - d) Structured programming
52. What is the term used for a block of code that is executed repeatedly until a certain condition is met?
- a) Function
  - b) Loop
  - c) Condition
  - d) Variable
53. Which of the following is not a valid variable name in most programming languages?
- a) myVariable
  - b) 123Variable

- c) `_myVariable`
- d) `my_variable`

**54.** Which keyword is used for defining a function in most programming languages?

- a) `def`
- b) `fun`
- c) `sub`
- d) `function`

**55.** Which of the following is a type of conditional statement?

- a) If statement
- b) For loop
- c) While loop
- d) Switch statement

**56.** Which of the following is a type of web hosting?

- a) Shared hosting
- b) Dedicated hosting
- c) Virtual Private Server (VPS) hosting
- d) All of the above

**57.** Which of the following is a commonly used version control system?

- a) Git
- b) SVN
- c) Mercurial
- d) All of the above

**58.** In a compiler, keywords of a language are recognized during

- (A) parsing of the program
- (B) the code generation
- (C) the lexical analysis of the program
- (D) dataflow analysis

**59.** m1: Send an email from a mail client to a mail server

m2: Download an email from mailbox server to a mail client

m3: Checking email in a web browser

Which is the application level protocol used in each activity?

- (A) m1: HTTP m2: SMTP m3: POP
- (B) m1: SMTP m2: FTP m3: HTTP
- (C) m1: SMTP m2: POP m3: HTTP
- (D) m1: POP m2: SMTP m3: IMAP

**60.** Which one of the following is NOT desired in a good Software Requirement Specifications (SRS) document?

- (A) Functional Requirements
- (B) Non-Functional Requirements
- (C) Goals of Implementation
- (D) Algorithms for Software Implementation



**61.** HTML(Hypertext Markup Language) has language elements which permit certain actions other than describing the structure of the web document. Which one of the following actions is NOT supported by pure HTML (without any server or client side scripting)pages?

- (A) Embed web objects from different sites into the same page
- (B) Refresh the page automatically after a specified interval
- (C) Automatically redirect to another page upon download
- (D) Display the client time as part of the page

**62.** An Internet Service Provider (ISP) has the following chunk of CIDR-based IP addresses available with it: 245.248.128.0/20. The ISP wants to give half of this chunk of addresses to Organization A, and a quarter to Organization B, while retaining the remaining with itself. Which of the following is a valid allocation of addresses to A and B?

- (A)245.248.136.0/21 and 245.248.128.0/22
- (B)245.248.128.0/21 and 245.248.128.0/22
- (C)245.248.132.0/22 and 245.248.132.0/21
- (D)245.248.136.0/24 and 245.248.132.0/21

**63.** Which one of the following statements is FALSE?

- (A) TCP guarantees a minimum communication rate
- (B) TCP ensures in-order delivery
- (C) TCP reacts to congestion by reducing sender window size
- (D) TCP employs retransmission to compensate for packet loss

**64 .**Which one of the following statements is FALSE?

- (A) HTTP runs over TCP
- (B) HTTP describes the structure of web pages
- (C) HTTP allows information to be stored in a URL
- (D) HTTP can be used to test the validity of a hypertext link

**65 .** Which of the following are used to generate a message digest by the network security protocols?

- (P) RSA
- (Q) SHA-1
- (R) DES
- (S) MD5.....

- (A) P and R only
- (B) Q and R only
- (C) Q and S only
- (D) R and S only

**66.**The amount of ROM needed to implement a 4 bit multiplier is

- (A) 64 bits
- (B) 128 bits
- (C) 1 Kbits
- (D) 2 Kbits

**67.** A computer has a 256 KByte, 4-way set associative, write back data cache with block size of 32 Bytes. The processor sends 32 bit addresses to the cache controller. Each cache tag directory entry contains, in addition to address tag, 2 valid bits, 1 modified bit and 1 replacement bit. The number of bits in the tag field of an address is

- (A) 11
- (B) 14
- (C) 16
- (D) 27

**68.** Which of the following addressing modes are suitable for program relocation at run time ?

- (i) Absolute addressing
- (ii) Based addressing
- (iii) Relative addressing
- (iv) Indirect addressing

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

**69.** In the absolute addressing mode

- (A) the operand is inside the instruction
- (B) the address of the operand is inside the instruction
- (C) the register containing address of the operand is specified inside the instruction
- (D) the location of the operand is implicit

**70.** In 8085, which of the following modifies the program counter ?

- (A) Only PCHL instruction
- (B) Only ADD instructions
- (C) Only JMP and CALL instructions
- (D) All instructions

**71.** How many times ghconline.gov.in is printed?

```
int main()
{
while(1)
{
printf("&quot;ghconline.gov.in&quot;");
}
return 0;
}
```

- A) 1 time
- (B) Compilation Error
- (C) Infinite times
- (D) Runtime Error

**72.** What is the output of the below program?

```
int main()
{
    int i;
    for(i = 0,i<5,i++)
    {
        printf("&quot;Hello&quot;");
    }
    return 0;
}
```

- (A) Hello is printed 5 times
- (B) Compilation Error
- (C) Runtime Error
- (D) Hello is printed 4 times

**73.**What is the meaning of below lines?

```
void sum (int, int);
```

- (A) sum is function which takes int arguments
- (B) sum is a function which takes two int arguments and returns void
- (C) it will produce compilation error
- (D) Can't comment

**74.**Library function getch() belongs to which header file?

- (A) stdio.h
- (B) conio.h
- (C) stdlib.h
- (D) stdlibio.h

**75.**System testing is a:

- a) Black box testing
- b) Grey box testing
- c) White box testing
- d) Both a and b

**76.**White-box testing can be started:

- a) After installation
- b) After SRS creation

- c) After programming
- d) After designing

**77.**What is Fault Masking?

- a) Creating a test case which does not reveal a fault
- b) Error condition hiding another error condition
- c) Masking a fault by developer
- d) Masking a fault by a tester

**78.**Testing of software with actual data and in an actual environment is known as

- a) Regression testing
- b) Beta testing
- c) Alpha testing
- d) None of the above

**79.**Unit testing is done by:

- a) Users
- b) Developers
- c) Customers
- d) None of the mentioned

**80.**Which of the following is not a white box technique?

- a) State transition testing
- b) Path testing
- c) Statement testing
- d) Data flow testing

**81.** What is the purpose of a Test Plan in software testing?

- a) To execute test cases
- b) To report defects
- c) To define the testing approach and scope
- d) To analyze test results

**82.**What does the "T" stand for in "TDD" in white Box Testing.

- a) Test
- b) Technique
- c) Team
- d) Technology

**83.**What is the difference between validation and verification in software testing?

- a) Verification checks if the software meets user requirements, while validation ensures adherence to standards.
- b) Validation ensures that software meets user requirements, while verification focuses on the development process.
- c) Verification ensures the software is error-free, while validation checks the software against specified criteria.
- d) Validation is done by the development team, while verification is done by independent testers.



**84.**It is desirable to revoke a certificate before it expires because –

- a.the user is no longer certified by this CA
- b.the CA's certificate is assumed to be compromised
- c.the user's private key is assumed to be compromised
- d.all of the mentioned

**85.**Using Differential Crypt-analysis, the minimum computations required to decipher the DES algorithm is-

- a. $2^{56}$
- b. $2^{43}$
- c. $2^{55}$
- d. $2^{47}$

**86.** An asymmetric-key (or public-key) cipher uses ?

- a.1 Key
- b.2 Key
- c.3 Key
- d.4 Key

**87.** The man-in-the-middle attack can endanger the security of the Diffie-Hellman method if two parties are not:

- a.Authenticated
- b.Joined
- c.Submit
- d.Separate

**88.** Which attack requires the least effort/computations?

- a.Pre-image
- b.Second Pre-image
- c.Collision
- d.All required the same effort

**89.**SHA-1 produces a hash value of

- a.256 bits
- b.160 bits
- c.180 bits
- d.128 bits

**90.**One of the protocols to provide security at the application layer is

- a.Pretty Good Privacy
- b.Handshake Protocol
- c.Alert Protocol
- d.Record Protocol

**91.** In terms of Web Security Threats, "Impersonation of another user" is a Passive Attack.

- a.True
- b.False



- c. May be
- d. Can't say

**92.** Which one of the following is not a higher –layer SSL protocol?

- a. Alert Protocol
- b. Handshake Protocol
- c. Alarm Protocol
- d. Change Cipher Spec Protocol

**93.** Which port forwarding technique intercepts application-level traffic and redirects it from an insecure TCP connections to secure SSH tunnels?

- a. Remote Forwarding
- b. Local Forwarding
- c. Stable Forwarding
- d. None of the mentioned

**94.** Which of the following are valid authentication methods?

- a. Public Key Based
- b. Password Based
- c. Host Based
- d. All of the mentioned

**95.** The process of verifying the identity of a user.

- a. Authentication
- b. Identification
- c. Validation
- d. Verification

**96.** Which phase uses the Extensible Authentication Protocol?

- a. Discovery
- b. Authentication
- c. Key Management
- d. Protected Data Transfer

**97.** To store 111 in variable num which PHP statement is used?

- A. `int $num = 111;`
- B. `int mum = 111;`
- C. `$num = 111;`
- D. `111 = $num;`

**98.** Which is the right way of declaring a variable in PHP?

- i) `$3hello`
- ii) `$_hello`
- iii) `$this`
- iv) `$This`

- A. Only ii)
- B. Only iii)
- C. ii) and iv)
- D. ii), iii) and iv)

**99.** Function is defined in PHP by\_\_\_\_\_.

- A. `Function functionName(parameters) {function body}`
- B. `Data type functionName(parameters) {function body}`

- C. FunctionName(parameters) {function body}
- D. Function {function body}

**100.** To get the current memory usage which PHP function is used?

- A. get\_usage()
- B. memory\_get\_usage()
- C. get\_peak\_usage()
- D. memory\_get\_peak\_usage()

### **GENERAL ASSAMESE**

এটা শব্দত প্ৰকাশ কৰা

**101.** যি মৰোঁ মৰোঁ অৱস্থা হৈছে

- A) মুৰ্মুৰু
- B) মৃতক
- C) মৃতগু
- D) মৃতমণ্ড

**102.** বধ কৰিবৰ ইচ্ছা

- A) জিজ্ঞাসা
- B) হিংসা
- C) জিঘাংসা
- D) এটাও শুদ্ধ নহয়

**103.** যাক বৰ্ণনা কৰিব নোৱাৰি

- A) অনিবাৰ্য
- B) বৰ্ণনীয়
- C) অবৰ্ণনীয়
- D) অপৰিহাৰ্য

**104.** যি নিজৰ কৰ্তব্য স্থিৰ কৰিব নোৱাৰে

- A) কিংকৰ্তব্যবিমূঢ়
- B) দায়িত্বহীন
- C) অবালচন্দ
- D) অকাজভাগী

নিম্নলিখিত শব্দসমূহৰ সঠিক বিপৰীত শব্দ বাছি উলিওৱা

**105.** আস্তিক

- A) সাস্থিক
- B) নাস্থিক
- C) আচল
- D) সঠিক

**106.** প্ৰভু

- A) ঈশ্বৰ
- B) ভূত
- C) গিৰি
- D) শত্ৰু

107. ক্ষয়

- A) ক্ষতি
- B) লোকচান
- C) অৰক্ষয়
- D) বৃদ্ধি

তলৰ ফকৰা যোজনাবোৰ সম্পূৰ্ণ কৰা

108. ঘনঘনকৈ দিবা ... .. তেহে থাবা নানা শালি

- A) আলি
- B) বোৱা
- C) চালি
- D) এটাও শুদ্ধ নহয়

109. অতি .....হত লংকা

- A) গৰ্বে
- B) ভক্তি
- C) দৰ্পে
- D) অহংকাৰে

110. আপদ কালত ঔৱেও ... .. হেঙায়

- A) চকু
- B) গল
- C) মন
- D) এটাও শুদ্ধ নহয়

111. কুঁজৰ ..... কিল

- A) মূৰৰ
- B) মূলৰ
- C) ওপৰত
- D) ওপৰৰ এটাও শুদ্ধ নহয়

অৰ্থপূৰ্ণ শব্দ পাবৰ বাবে শুদ্ধ উপসৰ্গ ব্যৱহাৰ কৰা

112. '.....লীলা'

- A) সম
- B) অপ
- C) পৰা
- D) অৰ

113. '.....সন্ধান'

- A) অপ
- B) অনু
- C) অৰ
- D) প্ৰ

114. '.....ৰিঙ'
- A) প্ৰতি  
B) অপি  
C) অতি  
D) অধি
115. 'আলি-আই-লুগাং'- অসমৰ কোনটো জনগোষ্ঠীৰ কৃষি উৎসৱ?
- A) বড়ো  
B) কাৰ্বি  
C) মিচিং  
D) তিৱা
116. তলৰ কোনটো বাক্য শুদ্ধ
- A) তামোলবোৰ থোকাথোকে লাগিছে  
B) তামোলবোৰ থোকাথুকে লাগিছে  
C) তামোলবোৰ থুকাথুকে লাগিছে  
D) এটাও শুদ্ধ নহয়
117. তলৰ কোনযোৰা বিপৰীত লিঙ্গৰ শব্দ ভুলকৈ সজোৱা হৈছে?
- A) বোন্দা = জাঁই  
B) তৱৈ = তৱৈনী  
C) শৰ = ভেলঙ্গী  
D) দঁতাল = মাথুন্দী
118. তলৰ কোনযোৰা বিপৰীতাত্মক শব্দ ভুলকৈ সজোৱা হৈছে?
- A) শ্বেতাংগ = কৃষ্ণাংগ  
B) সংকীৰ্ণ = বিস্তীৰ্ণ  
C) শুক্লপক্ষ = কৃষ্ণপক্ষ  
D) দাস্তিক = অহংকাৰী
119. ঠেং নোহোৱা ভেঁকুলী পোৱালিক কি বোলে?
- A) ভেঁকুলা  
B) লালুকী  
C) চুক-ভেঁকুলী  
D) আটাকেইটা শুদ্ধ
120. যি কথা বিশ্বাস কৰিব নোৱাৰি
- A) অবিশ্বাস্য  
B) মিছা  
C) বিশ্বাসযোগ্য  
D) এটাও নহয়

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