

MCQS

CS101 midter preparation file

ZB

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

In the name of God , Most
Gracious, Most merciful



CS101

MCQS

- 1. Logic gate with both inputs as 1, output is 0
 - The correct answer is **NAND for this behavior.**
- 2. Retrieval of data from a CD
 - Answer: **Using a laser to detect irregularities.**
- 3. Condition with processes blocked due to resource waiting
 - Answer: **Deadlock.**
- 4. POP3 stands for?
 - Answer: **Post Office Protocol Version 3.**
- 5. DNS stands for?
 - Answer: **Domain Name System.**
- 6. Real-time processing examples
 - Answer: **Cruise missile, radar, etc.**
- 7. Example of software failure
 - Answer: **Therac-25 radiation incidents.**
- 8. Connection between CPU and memory
 - Answer: **Bus.**
- 9. Internal part of an operating system
 - Answer: **Kernel.**
- 10. Secure version of HTTPS
 - Answer is **HTTPS (with SSL/TLS encryption).**
- 11. Technique for protecting login passwords
 - Answer: **Encryption, decryption.**
- 12. Repetition in an iterative structure
 - Answer: **Loop.**

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- 1. Tag used to write a paragraph in HTML?
• **Answer: <p> tag**
- 2. Sequence of transactions in a computer's OS?
• **Answer: Login procedure**
- 3. WWW stands for?
• **Answer: World Wide Web**
- 4. Package containing a party's name and public key?
• **Answer: Certificate**
- 5. Short version of binary digit, the smallest unit to store data?
• **Answer: Bit**
- 6. XML stands for?
• **Answer: Extensible Markup Language**
- 7. CD stands for?
• **Answer: Compact Disc**
- 8. Full form of ASP?
• **Answer: Active Server Pages**
- 9. Private key is used to?
• **Answer: Decrypt ciphertext**
- 10. Binary notation of 11111111?
• **Answer: 255**
- 11. Output of 1010 OR 1111?
• **Answer: 1111**

- 12. Programs stored as part of?
• **Answer: CPU**
- 13. Type of registers used in program execution?
• **Answer: General purpose**
- 14. Data storage in a computer?
• **Answer: All of the given**
- 15. UTF-8 uses bits?
• **Answer: 32**
- 16. Unique name assigned to memory cells?
• **Answer: Address**
- 17. Repetitive instruction execution is called?
• **Answer: Loop**
- 18. Finding max in the array: [12, 18, 299, 38, 999]?
• **Answer: 801**
- 19. Dynamic RAM refreshes?
• **Answer: Many times a second**
- 20. Mid-value in array [45, 77, 89, 90, 94, 99, 100] with key = 99?
• **Answer: 99**
- 21. Robots are guided by?
• **Answer: An internal control device or embedded control**
- 22. Basic unit of storage?
• **Answer: Bit**
- 23. Language used for server-side scripting?
• **Answer: JavaScript**
- 24. Process state includes?
• **Answer: Registers and related memory cells**
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25. Iterations to find 88 in array [5, 6, 77, 88, 99]?

Answer: 2

26. 10.011 + 100.11 in binary?

Answer: 111.001

27. Instruction to halt a machine cycle?

Answer: C000

28. Excess notation used to represent 100 as zero?

Answer: Excess 4

29. Tag used for paragraphs in HTML?

Answer: <p>

30. True about pseudo-code?

Answer: Pseudo-code is an algorithm's representation

31. Complexity comparison of bridge and repeater?

Answer: Bridge is more complex than a repeater

32. Storing fractional values requires storing?

Answer: Radix point

33. Software for accessing hypertext?

Answer: Browsers

34. Considered as a character in coding?

Answer: Space

35. Word processor like MS Word?

Answer: Builds editable word documents

Python keyword for defining functions?

Answer: def

37. Pixel appearance is encoded as?

Answer: Bitmap

38. Average rotational delay time?

Answer: Rotational delay

39. Normalized form eliminates?

Answer: Multiple representations

40. Application layer uses?

Answer: Transport layer

41. Rules for reliable networking?

Answer: Protocols

42. Ownership rights in systems?

Answer: Proprietary systems

43. Pseudocode output for $m=9$, $n=6$?

Answer: 15

44. Search engines can find?

Answer: Documents, images, videos

45. Login sequence called?

Answer: Login

46. Unique identifier for main memory cells?

Answer: Address

47. Algorithm execution leads to?

Answer: End

48. Memory manager allocates?

Answer: Memory space

49. Format for finding values in a list?

Answer: Search()

50. Loosely coupled systems achieving tasks?

Answer: Grid computing

51. After fetching, instructions are decoded and?

Answer: Executed

52. Protocol suitable for wireless star networks?

Answer: CSMA/CA

53. VoIP model for transferring audio data?

Answer: P2P

54. Excess notation to represent 10000 as zero?

Answer: Excess 16

55. SSDs stands for?

Answer: Solid State Disk

56. Binary of -8 in 2's complement?

Answer: 1000

57. Hexadecimal notation for 1111?

Answer: F

58. Categories of system software?

Answer: Operating system and Utility software

59. Multi-programming implements?

Answer: Time sharing

60. VoIP devices connecting traditional telephones?

Answer: Analog telephone adapters

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61. Negative exponent moves radix?

Answer: Left

62. Typical disk contains how many zones?

Answer: 11

63. Reason for Welsh NHS IT failure?

Answer: Software technical issue

64. Problem-solving remains?

Answer: More of an artistic skill

65. Protocol for storing email on local machines?

Answer: POP3

66. ENIAC stands for?

Answer: Electronic Numerical Integrator and Calculator

67. Sample rate depends on?

Answer: Accurate and high-definition recordings

68. Building blocks for algorithm representation?

Answer: Primitives

69. Internet backbone tier?

Answer: Tier-1 ISPs

70. Core of reverse engineering?

Answer: Restructure code

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71. Iterations to find 90 in array {5,6,77,90,99}?

Answer: 3

72. Binary search interrogates an average of?

Answer: $\log_2 n$

73. Printer access controlled by?

Answer: Operating system

74. Type of malware that replicates itself?

Answer: Virus

75. Loop executes until 'i' remains?

Answer: Less than or equal to n

76. LAN stands for?

Answer: Local Area Network

77. Produces output as 1 when both inputs are 1?

Answer: AND

78. Executing several tasks simultaneously?

Answer: Multitasking

79. FTP stands for?

Answer: File Transfer Protocol

80. N-unicast refers to?

Answer: Multiple unicast streams by a single sender

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81. Subtraction simulated by?

Answer: Addition and negation

82. Computer science has many?

Answer: Applications

83. CPU and RAM connected by?

Answer: BUS

84. Most used encoding today?

Answer: Huffman codes

85. Operator for searching document bodies?

Answer: Intext

86. Material of compact disks?

Answer: Reflective

87. Digital Versatile Disk capacity?

Answer: 600 to 700 MB

88. SSDs stand for?

Answer: Solid State Disk

89. ASCII codes have?

Answer: 27 combinations

90. Unicode pattern size?

Answer: 21 bits

91. MIDI stands for?

Answer: Musical Instrument Digital Interface

92. Bits used in 2's complement integer representation?

Answer: 23

93. SDHC capacity?

Answer: 32 GB

94. Additional storage device in computers?

Answer: Message storage

95. Weight of ENIAC?

Answer: 30 Tons

96. Examples of search engines?

Answer: Google, Yahoo, MSN

97. Rate of data transfer to/from disk?

Answer: Transfer rate

98. Computer hardware includes?

Answer: Physical parts

99. A machine programmed by a computer is called?

Answer: Robot

100. Computer science applications?

Answer: 7

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- The _____ resides on a computer containing hypertext documents to be accessed.
Browser
- User can see directories or files by using _____. Window explorer 18. Internet is a type of _____ Network
- The _____ consists of the instructions that tell the control unit to request an activity within the arithmetic/logic unit. Arithmetic/logic group
 - _____ connects computer over a large geographical area or world. WAN
 - Appearance of each pixel is encoded to form _____. Bitmap
- One of the major uses of the ___ operation is for placing 0s in one part of a bit pattern while not disturbing the other part. AND
- If the bit sequence 1001 0110 is subjected to a circular shift of one bit position to the left would generate 0100 1011
- In which type of communication several signals are transferred at the same time, each on a separate line? Parallel Communication
- Binary notation is a way of representing numeric values using only the ___ Digits 0 and 1
 - The control of a loop consists of the _____ activities. Three
- By using 16 bits in 2's complement notation how many maximum positive number can be represented 32768
- Another cause might be that the signals from the different machines are blocked from each other by objects or distance even though they can all communicate with the central AP (a condition known as the) Hidden Terminal Problem
- The set of tasks that ensures the software is correctly implements a specific function is known as Validation
 - What does MIDI stand for? Musical instrument digital interface
 - www stands for _____ World Wide Web
- Releasing space in the _____ can breaking the deadlock and allowing the remaining processes to continue their tasks. Process table
- The computers of the _____ were not very flexible or efficient. 1940s and 1950s
- After how long we should take the sample depends on how _____ definition sound recordings are required. Accurate and high
 - A clear flag state indicates that the resource is Available
 - We need _____ memory to store data permanently. RAM
 - _____ produces the output as 1 when both of the inputs are 1. AND
 - What does FTP stands for _____. File Transfer Protocol
- ___ tag contains the information related to metadata that is not usually displayed on the webpage.
- One is that a CPU should be designed to execute a minimal set of machine instructions. This approach is called a _____ RISC
- Three-dimensional interfaces allow human users to communicate with computers by means of. 3D projection systems
 - A negative exponent would mean to move the radix to the _____. Left
 - Which loop structure refers as a pretest loop? While
 - USB and Firewire provide several hundred _____. Mbps
 - CD (CD) stands for Compact Disc

- A large number of networks interconnected physically is called _____.
LAN
- Tags always placed between the and tags of a Web page: **True**
- An algorithm is -----and distinct from its representation. **Abstract**
- determine the number of bits to move radix point to either
left to right.
Exponent field
- Language translator is a computer . **Program**
- Cray-1 was first commercial computer Super
- What is the shortcut key to open the cell format window in MS Excel?
Ctrl + 1
- Previously how many bits were used to store 2's complement notation.
8 bits b) 16 bits

.....

THE END

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WhatsApp:

<https://whatsapp.com/channel/0029VaODheTDp2Q8YVcoON2p>

Second WhatsApp channel

channel on WhatsApp:

<https://whatsapp.com/channel/0029VafvOcy90x2tPbUaX02I>

YouTube:

<https://youtu.be/-AMj4iNz0UE?si=hg29pJZ1kujzg57J>

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Passing criteria of this course

Letter Grade	Grade Points	Equivalent Percentage
A+	4.00	90-100
A	4.00	85-89
A-	3.66 - 3.99	80-84
B+	3.33 - 3.65	75-79
B	3.00 - 3.32	71-74
B-	2.66 - 2.99	68-70
C	2.00 - 2.65	61-67
D	1.00 - 1.99	50-60
F	0.00	00-49

Passing Criteria for a Course:

The passing criteria is defined in such a way that it ensures the student shall be consistent in his studies throughout the semester.

Therefore, for passing a course/subject, student shall fulfill the following:

- a) Secure minimum **20%** score in Formative Assessments/Mid terms
- b) Secure minimum **20%** score in Final Term Examinations.
- c) Secure at least **40%** marks in aggregate while fulfilling the above requirements

Course Selection and Credit Hours

Q: How do I select courses when the course selection is open?

A: Follow these steps:

1. Check the credit hours allowed by your university (e.g., 21, 18, or 15 credit hours).
2. Each subject typically has 3 credit hours.
3. Divide the total allowed credit hours by 3 to determine how many subjects you can select.

Examples:

21 credit hours = 7 subjects
18 credit hours = 6 subjects

15 credit hours = 5 subjects

Remember, the university may allow different credit hours for each student, so check your specific allowance.

By following these steps, you can make informed decisions during course selection and manage your credit hours effectively.

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Advice

Hmaesha relax ho ke parha kryn panic mat hua kryn apky parents ky bohat khawab hoty hn wo pura krny ki puri koshish kea kryn kbi b ksi pe depend na kea kryn apko bs ak insan success kr saqta ha or wo insan ap khud hn apky elawa koi nahe ap bs koshish kryn Allah pak pe strong yakeen rakha kryn or mehnat krke sb Allah ke hawaly kr dea kryn everything is possible be brave be strong stay blessed

Hum insan hamesha moat se darty or bhagty hn or moat se bachny ki koshish krty hn jabke moat ny ana hi ana ha hum

moat se nahe bach saqty humy jahanam se bachny ki koshish
krni chaheay hum jahanam se bach saqty hn
Insan ko 3 chezo se dar lagta ha Moat Risk/Dolat Ezat Shohrat
Fame

Moat

**Humy pta hona chaheay Moat tab ani ha jab Allah
chahy us se pehly puri dunya bi ak taraf ho ke apko
marna chahy to apka kuch nahe beggar saqti**

Risk/Dolat

**Risk Dolat sb Allah pak ke hath m ha puri dunya ak
taraf b ho jay na apsy apka risk cheen saqti ha na de
saqti ha Ye sirf ALLAH pak ky hath m ha**

Izat Zilat shohrat Fame

**Izat Zilat Sirf Allah de saqty hn puri dunya mel ke b
apko zra brabr b damage nahe kr saqti Agr ALLAH**

**Apko izat dena chahay to puri dunya ak taraf ho ke
b apko 1% b nuksan nahe pohancha saqti**

Phr Dar ks bat ka ??????????????????

**Be brave be strong Just put your trust To ALLAH
Hamesha Confident or himat se raho kbi ksi k samne
mat jhuko puri dunya mel k b apka kuch b nahe
beggar saqti**

ZB
MY REQUEST FROM ALL OF YOU

ZB Request from All of you My family

Mjy ap sbki help or support ki zarort ha or wo ye k hum sb Mel kr Allah ka Quran ki Urdu translation logo tak pohanchy or Quran ko samjna asaaan kryn dosro k leay sb tak Allah ka Quran pohanchy it's my campaign hum log 70+ age k ho jaty hn phr b hmy namaz tak ki translation nahe pta hoti k hum Allah pak se

Kya Dua kr rhy hn so hum youngster's ko Mel kr puri takat or energy ke sath Allah ka Quran spread krna ha

Hum puri Koshish kr rhy hn k hum sb Mel k Quran ki translation or most important topics ko maximum share kry with translation hmara maksad Quran ko spread krna ha be a part of us

m apni pocket se ye sb kr rha ho Allah ka Quran spread krny k leay apne or mene sbny Marna ha ak din to q na Allah k leay Kuch kryn apni energies apni power ko bajay negative use krny k Allah k leay invest kryn khud ko be a part of us

Agr m 23 ki age m apny sare sources use kr rha ho pocket se heavy amounts give away kr rha ho Quran spread krny k leay to ap just share to kr saqty hn itna e kr dyn

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Agr ap mujsy contact na kr sky too b ap jo b hn jaha bi hn waha Allah ka quran pheelay zada se zada with urdu translation jitni himat ha utna share kryn

..... **MY Family**

Just Relax and focus! Exams are not difficult. Put in your 100% effort and trust in Allah.

..... **AL-Quran**

**"And indeed, with hardship comes ease." (Quran 94:5)
Remember, I'm here to support you! Stay brave and strong!"**

May Allah bless you