

COMPUTER RELATED & IT Related PAPERS

MODEL PAPER 175

LECTURER COMPUTER SCIENCE (BS-17) (MALE & FEMALE) - 2017

1. Which module gives control of the CPU to the process selected by the short-term scheduler?
(A) Dispatcher (B) Interrupt
(C) Scheduler (D) None of these
2. The processes that are residing in main memory for execution are kept on a list called:
(A) Job queue
(B) Ready queue
(C) Execution queue
(D) Process queue
3. The interval from the time of submission of a process to the time of completion is termed as:
(A) Waiting time (B) Turnaround time
(C) Response time (D) Throughput
4. Which scheduling algorithm allocates the CPU first to the process that requests the CPU first?
(A) First-come first-served scheduling
(B) Shortest job scheduling
(C) Priority scheduling
(D) None of these
5. In priority scheduling algorithm:
(A) CPU is allocated to the process with highest priority
(B) CPU is allocated to the process with lowest priority
(C) Equal priority processes cannot be scheduled
(D) None of these
6. In priority scheduling algorithm, when a process arrives at the ready queue, its priority is compared with the priority of:
(A) All process
(B) Currently running process
(C) Parent process
(D) Init process
7. Time quantum is defined in:
(A) Shortest job scheduling algorithm
(B) Round robin scheduling algorithm
8. (C) Priority scheduling algorithm
(D) Multilevel queue scheduling algorithm
9. In multilevel feedback scheduling algorithm:
(A) A process can move to a different classified ready queue
(B) Classification of ready queue is permanent
(C) Processes are not classified into groups
(D) None of the mentioned
10. Which one of the following cannot be scheduled by the kernel?
(A) Kernel level thread
(B) User level thread
(C) Process
(D) None of these
11. A process refers to 5 pages. A, B, C, D, E in the order A, B, C, D, A, B, E, A, B, C, D, E. If the page replacement algorithm is FIFO, the number of page transfers with an empty internal store of 3 frames is:
(A) 8 (B) 10
(C) 9 (D) 7
12. A memory page containing a heavily used variable that was initialized very early and is in constant use is removed and then the page replacement algorithm used is:
(A) LRU (B) LFU
(C) FIFO (D) None of these
13. The aim of creating page replacement algorithms is to:
(A) Replace pages faster
(B) Increase the page fault rate
(C) Decrease the page fault rate
(D) To allocate multiple pages to processes
14. A FIFO replacement algorithm associates with each page the _____.

- (A) A many-to-many relationship set
 (B) A multi-valued attribute of an entity set
 (C) A one-to-many relationship set
 (D) Both A and B
37. In which of the following, a separate schema is created consisting of that attribute and the primary key of the entity set?
 (A) A many-to-many relationship set
 (B) A multi-valued attribute of an entity set
 (C) A one-to-many relationship set
 (D) Both A and B
38. In 2NF:
 (A) No functional dependencies (FDs) exist
 (B) No multi-valued dependencies (MVDs) exist
 (C) No partial FDs exist.
 (D) No partial MVDs exist.
39. _____ can help us detect poor E-R design.
 (A) Database Design Process
 (B) E-R Design Process
 (C) Relational scheme
 (D) Functional dependencies
40. Build & Fix Model is suitable for programming exercises of _____ LOC (Line of Code).
 (A) 100-200 (B) 200-400
 (C) 400-1000 (D) Above 1000
41. What is the best way to represent the attributes in a large database?
 (A) Relational-and
 (B) Concatenation
 (C) Dot representation
 (D) All of these
42. Designers use which of the following to tune performance of systems to support time-critical operations?
 (A) Demoralization
 (B) Redundant optimization
 (C) Optimization
 (D) Realization
43. RAD stands for:
 (A) Relative Application Development
 (B) Rapid Application Development
 (C) Rapid Application Document
 (D) Rational Application Document
44. Which one of the following models is not suitable for accommodating any change?
 (A) Build & Fix Model
 (B) Prototyping Model
 (C) RAD Model
 (D) Waterfall Model
45. Which one of the following is not a phase of Prototyping Model?
 (A) Quick Design,
 (B) Coding
 (C) Prototype Refinement
 (D) Engineer Product
46. RAD Model has:
 (A) 2 Phase, (B) 3 phase
- (C) 5 phases (D) 6 phases
47. What is the major drawback of using RAD Model?
 (A) Highly specialized & skilled developers / designers are required
 (B) Increases re-usability of components
 (C) Encourages customer/client feedback
 (D) Both A & C
48. SDLC stands for.
 (A) Software Development Life Cycle
 (B) System Development Life cycle
 (C) Software Design Life Cycle
 (D) System Design Life Cycle
49. Which model can be selected if user is involved in all the phases of SDLC?
 (A) Waterfall Model
 (B) Prototyping Model
 (C) RAD Model
 (D) Both B & C
50. Two devices are in network if:
 (A) A process in one device is able to exchange information with a process in another device
 (B) A process is running on both devices
 (C) PIDs of the processes running of different devices are same
 (D) None of these
51. In computer network nodes are:
 (A) The computer that originates the data
 (B) The computer that routes the data
 (C) The computer that terminates the data
 (D) All of these
52. Communication channel is shared by all the machines on the network in:
 (A) Broadcast network
 (B) Uni-cast network
 (C) Multi-cast network
 (D) None of these
53. Bluetooth is an example of:
 (A) Personal area network
 (B) Local area network
 (C) Virtual private network
 (D) None of these
54. A _____ is a device that forwards packets between networks by processing the routing information included in the packet.
 (A) Bridge (B) Firewall
 (C) Router (D) All of these
55. A list of protocols used by a system, one protocol per layer, is called.
 (A) Protocol architecture
 (B) Protocol stack
 (C) Protocol suit
 (D) None of these
56. Network congestion occurs-
 (A) In case of traffic overloading
 (B) When a system terminates
 (C) When connection between two nodes terminates

- (C) World Wide Web Community
(D) None of these
78. Which of the following is a risk associated with using hypertext in web applications?
(A) Loss of sense of locality and direction.
(B) Cognitive overload for users.
(C) Both A and B
(D) None of these
79. Which of the following is not a NoSQL database?
(A) SQL Server (B) MongoDB
(C) Cassandra (D) None of these
80. Which of the following is a NoSQL Database type?
(A) SQL
(B) Document databases
(C) JSON
(D) All of these
81. Which one of the following is an example of Operating System?
(A) Microsoft Word
(B) Microsoft Excel
(C) Microsoft Access
(D) Microsoft Windows
82. By default on which page the Header or the Footer is printed, in MS Word?
(A) On first page
(B) On alternate page
(C) On every page
(D) None of these
83. Complete the number series: 15, 31, 63, 127, 255,
(A) 513 (B) 511
(C) 523 (D) 517
84. Solve the equation: $(1/4 + 5/8) \times (1/2 + 3/4) = ?$
(A) 35/32 (B) 10/7
(C) 5/12 (D) 7/10
85. "To fawn the music" means:
(A) To be greeted rudely
(B) To be offered warm hospitality
(C) To be on the front seat in a concert
(D) To bear the consequences
86. What is the synonym of "Posthumous"?
(A) After death (B) Moisture
(C) Rich (D) Rear
87. What is the antonym of "Meandering"?
(A) Sliding (B) Straight
(C) Sloping (D) Curved
88. Find the correctly spelt word.
(A) Dicotomy (B) Dicotomy
(C) Dichotomy (D) Dechotomy
89. To which fruit is Pitahaya similar to?
(A) Grapefruit (B) Apples
(C) Jackfruit (D) Bananas
90. Exposure to sunlight results in formation of
in the body.
(A) Vitamin A (B) Vitamin C
- (C) Vitamin K (D) Vitamin D
91. Who was the first American President to resign while in office?
(A) Theodore Roosevelt
(B) Bill Clinton
(C) Richard Nixon
(D) John Quincy Adams
92. The current capital of Kazakhstan is Astana. Name the former capital.
(A) Almaty (B) Dushanbe
(C) Bishkek (D) None of these
93. In Geography what do you understand by "Pangaea"?
(A) A Super continent
(B) Hills formed by Lava outflow
(C) Concentration of Sulphur in hot springs
(D) None of these
94. After partition of Bengal, the Capital of East Bengal and Assam was?
(A) Dhaka (B) Calcutta
(C) Chittagong (D) Sylhet
95. Which was the official language during the Muslim Rule in India?
(A) Urdu (B) Turkish
(C) Persian (D) Arabic
96. Which of the following is not an Olympic Sport?
(A) Squash (B) Badminton
(C) Wrestling (D) Fencing
97. The flag of which country is also known as the Union Jack?
(A) UK (B) USA
(C) New Zealand (D) Barbados
98. Boao Forum for Asia, which holds its annual conference at Boao Hainan Province, China, was originally proposed by former President Ramos of Philippines, former Prime Minister Morihiro Hosokawa of Japan and:
(A) Former Prime Minister Bob Hawke of Australia
(B) Former Prime Minister Mahathir Mohammad of Malaysia
(C) Former President Hu Jintao of China
(D) Former Prime Minister Shaukat Aziz of Pakistan

CQ (B)	Diff (A)	QCL (D)	J (C)

Answer Key			
1. a	14. a	27. a	40. a
2. b	15. c	28. a	41. b
3. b	16. b	29. c	42. a
4. a	17. b	30. b	43. b
5. a	18. a	31. a	44. c
6. b	19. e	32. c	45. b
7. b	20. b	33. a	46. c
8. a	21. c	34. d	47. e
9. b	22. a	35. c	48. a
10. c	23. b	36. a	49. c
11. c	24. b	37. b	50. a
12. b	25. c	38. c	51. d
13. c	26. a	39. d	52. a
