

KDK College of Engineering Nagpur
Department of Information Technology
7th Sem BE IT
Elective-1 Mobile Computing
Objective Questions _ Set_I

- 1) For 802.11 System Architecture Which of the following is true c
 - I. An association between a station and a BSS is dynamic.
 - II. Stations may turn off, come within range, and go out of range.
 - a) I Only
 - b) II Only
 - c) Both I & II
 - d) None of this
2. For 802.11 System Architecture ,Distribution System can be a d
 - a) Switch
 - b) Wired network
 - c) Wireless network
 - d) All of the above
3. Which of the following is not a component of 802.11 - Architecture of an infrastructure network – a
 - a) Independent Basic service set
 - b) Portal
 - c) Distribution system
 - d) Access point
4. 802.11 - Architecture of an ad-hoc network is useful for- b
 - a) Direct communication within a unlimited range
 - b) Direct communication within a limited range
 - c) Indirect communication within a limited range
 - d) None of mentioned
5. Which of the following is not a MAC Layer Functions – d
 - a) On transmission, assemble data into a frame with address and error detection fields.
 - b) On reception, disassemble frame, and perform address recognition and error detection.
 - c) Govern access to the LAN transmission medium.
 - d) Provide an interface to higher layers and perform flow and error control
6. Which of the following is not a function associated with MAC Management c
 - a) Synchronization
 - b) Roaming
 - c) fragmentation
 - d) power management
7. PLCP stands for- b

- a) Physical Layer Control Protocol
 - b) Physical Layer Convergence Protocol
 - c) Physical Layer Congestion Protocol
 - d) None of above
8. Which of the following is a functionality associated with PMD Physical Medium Dependent layer in WLAN protocol architecture a
- a) modulation, coding
 - b) channel selection, MIB
 - c) coordination of all management functions
 - d) access mechanisms, fragmentation, encryption
9. Which of the following is a functionality associated with Station Management in 802.11 protocol architecture c
- a) modulation, coding
 - b) channel selection, MIB
 - c) coordination of all management functions
 - d) access mechanisms, fragmentation, encryption
10. DCF in MAC layer of IEEE 802.11 WLAN uses _____ technique. c
- a) CSMA/CD
 - b) Physical channel sensing
 - c) CSMA/CA
 - d) All of mentioned
11. Which of the following is not a Distribution System Services (DSS) ? c
- a) Association
 - b) Disassociation
 - c) Authentication
 - d) Integration
12. In IEEE 802.11, which of the following is a service initiated by station? d
- a) privacy
 - b) Distribution
 - c) Integration
 - d) Reassociation
13. In IEEE 802.11 Services, which service is not used to support MSDU delivery? b
- a) Integration
 - b) Authentication
 - c) Disassociation
 - d) Distribution

14. Which of the MAC Management function allow the station to switch the system to low power or to turn off the power?
b
a) Synchronization
b) Power Management
c) Roaming
d) None of mentioned
15. In IEEE 802.11 - Frame format, which of the following is not a type of frame? a
a) Sequence frame
b) control frames,
c) management frames,
d) data frames
16. Authentication service is a service provided by b
a. Distribution system
b. Station
c. Both
d. None
17. MIB in WLAN stands for a
a. Management Information Base
b. Management Internet Band
c. Machine Information Band
d. Machine Information Base
18. In WLAN, a special frame CTS is _____ byte long c
a. 10
b. 20
c. 14
d. 24
19. In WLAN, a special frame RTS is _____ byte long b
a. 10
b. 20
c. 14
d. 24
20. sending a probe on each channel and waiting for a response is called as – b
a. passive scanning
b. active scanning
c. roaming
d. none of above
21. Mobility between BSSs and within ESS is- b
a. Basic mobility
b. Micro mobility
c. Macro mobility
d. None
22. Mobility between two ESS is called as c

- a. Basic mobility
 - b. Micro mobility
 - c. Macro mobility
 - d. None
23. When device is capable of moving within service area of AP while remains connected with the network is - a
- a. Basic mobility
 - b. Micro mobility
 - c. Macro mobility
 - d. None
24. Authentication in IEEE 802.11 are- a,c
- a. open system
 - b. Closed System
 - c. shared key
 - d. All of mentioned
25. Open system authentication simply provides a way for two parties to agree to exchange data and provides no security benefits. Identify whether the statement is true or false a
- a. True
 - b. False
 - c. Cannot say
 - d. None
26. Which of the following is not a component of Mobile agent? b
- a) Code
 - b) Process
 - c) **Attributes**
 - d) **State**
27. Mobile agent is _____ that can migrate from system to system within a network environment to improve performance. a
- a) Software program
 - b) Hardware
 - c) Firmware
 - d) malware
28. Information describing the agent, its origin and owner, its movement history, resource requirements, authentication keys etc. means- d
- a) code
 - b) State
 - c) Behavior

- d) Attribute
29. Behavioral aspect of Mobile code System contains the types- d
- a) Code on Demand
 - b) Remote Evaluation
 - c) Mobile Agents
 - d) All of mentioned
30. Java Applets is an example of – a
- a) Code on Demand
 - b) Remote Evaluation
 - c) Mobile Agents
 - e) Client server
31. WWW, RPC, Webservices, CORBA, EJBs are examples of _____ Mobile code system d
- a) Code on Demand
 - b) Remote Evaluation
 - c) Mobile Agents
 - d) Client server
32. In code on demand mobile code system, data is _____ & code is _____ a
- a) Static, mobile
 - b) dynamic, mobile
 - c) Static, mobile
 - d) None of mentioned
33. Which of the following is not a property of mobile agent? c
- a) Intelligent functionality
 - b) Agent communication language
 - c) consistency
 - d) Mobility
34. Which of the following is not an advantage of Mobile Agent ? b
- a) overcome network latency in real-time systems
 - b) increase in the network load
 - c) encapsulate protocols by bringing their own protocol code
 - d) none of above
35. Which of the following is not a characteristic of Mobile agent? a
- a) Agent to host communication
 - b) Prevent agent interference
 - c) Unique identity
 - d) Must determine what other agents are executing on agent host
36. Which of the following is not a characteristic of Mobile agent? c
- a) Agent to agent communication

- b) Prevent agent interference
 - c) Multiple identity
 - d) None of above
37. Automatic program Updates example exhibits which of the following property of Mobile agent? b
- a) Intelligent functionality
 - b) Autonomy
 - c) Mobility
 - d) Agent communication language
38. The agents which are helpful in commercial sites are c
- a) Network & system mgmt agents
 - b) User assistance agents
 - c) Interest matching agents
 - d) Organizational structure agents
39. When moving, a mobile agent carries code + data state + execution state. This scenario is seen in case of – b
- a) Weak mobility
 - b) Strong mobility
 - c) Hybrid mobility
 - d) None of mentioned
40. MASIF stands for- d
- a) Mobile Agent System Interoperability Forum
 - b) Mobile Agent System Internet Facilities
 - c) Mobile Agent System Internet Forum
 - d) Mobile Agent System Interoperability Facilities
41. load balancing & failure anticipation are functionalities associated with c
- a) Interest matching agents
 - b) Organizational structure agents
 - c) Network & system mgmt agents
 - d) User assistance agents
42. The agents which are used at user level to provide services to users are d
- a) Interest matching agents
 - b) Organizational structure agents
 - c) Network & system mgmt agents
 - d) User assistance agents
43. An agent system is a _____ that can create, interpret, execute, transfer and terminate agents. b
- a) Network
 - b) Platform
 - c) Protocol

- d) None
44. Currently, most agents are programmed in _____ language for portability a
- a) an interpreted language
 - b) procedural language
 - c) structured Query Language
 - d) all of mentioned
45. Which of the following is not an events in Mobile Agent's life-time c
- a) **Creation**
 - b) **Activation**
 - c) **Mutation**
 - d) **Cloning**
46. An Events in Mobile Agent's life-time in which a brand new agent is born and its state is initialized - c
- a) **Cloning**
 - b) **Activation**
 - c) **Creation**
 - d) **Deactivation**
47. An Events in Mobile Agent's life-time in which an agent travels to a new host. a
- a) **Dispatch**
 - b) **Retraction**
 - c) **Disposal**
 - d) **Cloning**
48. An Events in Mobile Agent's life-time in which an agent is brought back from a remote host along with its state to the home machine. b
- a) **Dispatch**
 - b) **Retraction**
 - c) **Disposal**
 - d) **Cloning**
49. Which of the following is not a reason among Seven Good Reasons for Mobile Agents c
- a) They encapsulate protocols
 - b) They execute asynchronously and autonomously
 - c) They increase network load
 - d) They overcome network latency
50. Possible applications of Mobile agents are- d
- a) E-Commerce
 - b) Personal Assistance
 - c) Secure Brokering
 - d) All of mentioned
51. Which of the following is not a key elements to achieve interoperability between agents

- d
- a) Common agent communication language and protocol
b) Common format of context of communication,
c) Shared ontology
d) an agent must authenticate itself to the host
52. The requirement in which host enforces strict access control to its resources a
- a) **Authorization**
b) **Authentication**
c) **Auditing**
d) None of mentioned
53. Agent poses as another agent to gain access to services or data at a host in- a
- a) **Masquerading**
b) **Denial of Service**
c) **Unauthorized Access**
d) **None of mentioned**
54. Which of the following are agent Protecting mechanism- a,b,c,d
- a) Digital Signature
b) **Safe Code Interpretation**
c) **Software-Based Fault Isolation**
d) **Path Histories**
55. One of the most widely used interpretative languages today for mobile agent is c
- a) C++
b) Ada
c) Java
d) Visual Basic
56. Aglets are java based framework for Mobile agents and designed by- a
- a) IBM
b) Microsoft
c) Nokia
d) d) None
57. Transportable agent system Agent Tcl is developed using a language A
- a) Tcl
b) Java
c) Scheme
d) none
58. Which of the following is not a Java based mobile agent system- c
- a) Voyager
b) Aglets
c) Tacoma

- d) **Odyssey**
59. Which of the following is not a mobile agent platform? c
- a) Voyager
 - b) Aglets
 - a) Tahiti
 - b) Agent Tcl
60. Which of the following is not true about Aglet? c
- a) It is mobile Java Object
 - b) It is autonomous
 - c) none
 - d) It is reactive
61. Aglet context is- a
- a) Workspace
 - b) Shield for aglet
 - c) Object exchanged between aglet
 - e) All of above
62. Aglets are applied in different scenarios like D
- a) e-commerce
 - b) e-market place
 - c) Air tickets & package tours
 - d) All of mentioned
63. Aglets are java based framework for Mobile agents and designed by- a
- a) IBM
 - b) Microsoft
 - c) Nokia
 - d) None
64. Agent_Tcl uses pretty good policy(PGP) for which one of the following function? b
- a) To encrypt servers
 - b) To authenticate servers
 - c) To authorize servers
 - d) none of above
65. Which of the following is a Task not performed by server in agent Tcl - c
- a) migration
 - b) Low level inter agent communication
 - c) security
 - d) status of running agents

66. Agent level support system with docking system includes- d
- a) Server
 - b) support agent
 - c) Network monitor
 - d) All
67. Which one of the following is not considered as a requirement for mobile agent System? d
- a) Portability
 - b) Security
 - c) Ubiquity
 - d) Resource availability
68. WAP stands for – A
- a) Wireless Application Protocol
 - b) Wired Application Protocol
 - c) Wireless Analysis Protocol
 - d) Wired Analysis Protocol
69. WAP sites (Mobile internet sites) are websites written in, or dynamically converted to- C
- a) HTML
 - b) XML
 - c) WML
 - d) none of mentioned
70. WAP application is enable to access WAP sites using which of the following WAP browser- b
- a) Macro-browser
 - b) Micro-browser
 - c) Mini – browser
 - d) All
71. In WTP, which class of transaction service is responsible to provide unreliable message transfer without any result message a
- a) Class 0
 - b) Class 1
 - c) Class 2
 - d) None of mentioned

72. In WTP, which class of transaction service provide reliable message transfer without exactly one result message like request/response. b
- a) Class 0
 - b) Class 1
 - c) Class 2
 - d) None of mentioned
73. Which of the following is not a service primitive offered by WTP? c
- a) TR-Invoke
 - b) TR-Abort
 - c) TR-Request
 - d) TR-Result
74. In WAP Stack, WTP Class 0 transaction service is analogous to b
- a) TCP
 - b) UDP
 - c) RPC
 - d) HTTP 1.1
75. In WAP Stack, WTP Class 1 transaction service is analogous to a
- a) TCP
 - b) UDP
 - c) RPC
 - d) HTTP 1.1
76. WDP stands for – C
- a) Wireless design protocol
 - b) Wireless data protocol
 - c) Wireless datagram protocol
 - d) None
77. WDP stands for – c
- a) Wireless design protocol
 - b) Wireless data protocol
 - c) Wireless datagram protocol
 - d) None
78. WTA stands for a
- a) Wireless Telephony Application
 - b) Wired Telephony Application
 - c) Wireless Transport Application
 - d) Wireless Transaction Application
79. functionality of WDP is similar to b
- a) SSL/TLS in traditional networks
 - b) UDP in IP networks
 - c) WTA in traditional networks

- d) IP in traditional networks
80. WSP is analogous to d
- a) IP
 - b) TCP
 - c) WTA
 - d) http 1.1
81. WSP is designed to operate on top of c
- a) Datagram service WDP
 - b) Transaction service WTP
 - c) both a & b
 - d) none
82. Which of the following is not a Feature used by WSP for content exchange between clients and server d
- a) Capability negotiation
 - b) Session management
 - c) HTTP 1.1 functionality
 - d) Circuit switched service(CSS)
83. . Interruption of transaction in process is a task of a
- a) WSP
 - b) WTP
 - c) WTLS
 - d) WDP
84. Features of Android includes- c
- a) Operating System
 - b) Middleware
 - c) both a & b
 - d) none
85. What is the difference between services and thread in android? a
- a) Services performs functionalities in the background. By default services run on main thread only
 - b) Thread and services are having same functionalities.
 - c) Thread works on services
 - d) None of the above
86. What is the time limit of broadcast receiver in android? a
- a) 10 sec
 - b) 15 sec

- c) 5 sec
 - d) 1 hour
87. What is the 9 patch tool in android? a
- a) Using with tool, we can redraw images in 9 sections.
 - b) image extension tool
 - c) image editable tool
 - d) Device features
88. What is ADB in android? c
- a) Image tool
 - b) Development tool
 - c) Android Debug Bridge
 - d) None of the above.
89. What is the library of Map View in android? d
- a) com.map
 - b) com.google.gogglemaps
 - c) in.maps
 - d) com.google.android.maps
90. Fragment in Android can be found through d
- a) findViewById()
 - b) findFragmentByID()
 - c) getContext.findFragmentByID()
 - d) FragmentManager.findFragmentByID()
91. What are return types of startActivityForResult() in android? d
- a) RESULT_OK
 - b) RESULT_CANCEL
 - c) RESULT_CRASH
 - d) A & B
 - e) B & C
92. What is bean class in android? a
- a) A class used to hold states and objects
 - b) A bean class can be passed from one activity to another.

- c) A mandatory class in android
 - d) None of the above
93. Different layers of android are- d
- a) linux kernel
 - b) android runtime
 - c) application framework
 - d) All of mentioned
94. Modified Linux kernel operates as a
- a) Hardware Abstraction Layer
 - b) software Abstraction Layer
 - c) both a & b
 - d) none
95. Which of the following functionalities are provided by Linux kernel – d
- a) device drivers
 - b) memory management
 - c) process management & networking
 - d) all
13. In layered android architecture, which of the following is not a component of application framework – b
- a) Telephony Manager
 - b) Telegraphy Manager
 - c) content provider
 - d) Resource Manager
14. Dalvik Virtual Machine is an element of- c
- a) Libraries
 - b) linux Kernel
 - c) Android Runtime
 - d) Application framework
15. Which of the following is not true about .dex files a
- a) Android programs are not compiled into .dex files
 - b) used to initialize and execute applications developed for android mobile OS

c) .dex are developer files affixed with .dex extension

d) These files can be created automatically translating compiled application written in JAVA

16. Android component that shows part of an activity on screen is called b

a) intent

b) fragment

c) view

d) manifest

17. Android component that manages appearance and format on screen is called d

a) fragment

b) intent

c) view

d) layout

16. Virtual machine optimized for Android is- b

a) Java Virtual Machine

b) Dalvik Virtual Machine

c) Java Application Framework

d) none