

T. Y. B. Sc. I.T. Sem V

Internet Of Things

1. . ____ becomes key, too hence the development of language to communicate technology to others.
 - a) Data
 - b) Infrastructure
 - c) Information
 - d) language
2. . Web services framework such as _____ allow easy Prototyping of the online components.
 - a) .net
 - b) Python and Django
 - c) Java
 - d) visual basics
3. Technology has always been associated with _____.
 - a) Network
 - b) Magic
 - c) IoT
 - d) framework
4. _____ said that "Always design A thing by considering it in its next larger context".
 - a) Adrian
 - b)Mark Weiser
 - c) Saarinen
 - d) John Seeley Brown
5. When devices start interacting with people, things get more _____.
 - a) Easier
 - b) Complicated
 - c) Improved
 - d) Popular

6. . _____ engages both the centre and periphery of our attention, and in fact moves back and forth between the two.
- a) ambient technology
 - b) Calm technology
 - c) Ubicomp
 - d) Metaphor
7. . _____ had claimed that " any sufficiently advanced technology is indistinguishable from magic.
- a) Mark wesier
 - b) John Seeley Brown
 - c) Arthur C. Clarke
 - d) Adrian
8. . It is standard practice to _____
- a) Store your Password in Plain text.
 - b) Never Store password as cleartext
 - c) Share your password.
 - d) Decrypt your Password
9. ____ provides strong clues to the operations of things.
- a) Degradation
 - b) Enchanted objects
 - c) Metaphor
 - d) Affordances
10. The packets of data have to go through a number of intermediary machines called ____
- a) Hub
 - b) Routers
 - c) Nodes
 - d) Internet
11. _____ is a block of data along with source and destination address.
- a) IP Packet
 - b) Data Packet

C) Segment

d) Message

12. ____ gives the sender some assurance that it actually arrived at the destination intact.

a) IP

b) TCP

c) UDP

d) HTTP

13. . In ____ each message may or may not arrive.

a) TCP

b) HTTP

c) UDP

d) IP

14. IP address is a ____ number.

a) 16 bit

b) 64 bit

c) 32 byte

d) 32 bit

15. ____ addresses once assigned, won't change again without human intervention.

a) IP addresses

b) Dynamic address

c) Static address

d) MAC address

16. IPv6 uses 128 bit addresses usually displayed to users as ____

a) eight groups of four hexadecimal digits

b) four groups of four hexadecimal digits

c) eight groups of six hexadecimal digits

d) four groups of eight hexadecimal digits

17. A __ is a set of rules for communication between computers.

- a) Syntax
- b) Semantics
- c) Protocol
- d) Standard

18. The port number for SMTP is ____

- a) 23
- b) 110
- c) 25
- d) 8080

19. You can not change the ____ and its silicon controller unless you recall every item.

- A) physical objects
- B) design
- C) prototype
- D) Internet service

20. For the first Prototype, the __ is probably not most important issue.

- A) electronic
- B) cost
- C) design
- D) PCB

21. _____ tools can allow each item to be slightly different, letting you personalise each device in some way .

- A) Printing
- B) Laser cutting
- C) Digital fabrication
- D) Embedded

22. In ____ you can offer something unique with the accompanying potential to charge a premium.

- A) mass production
- B) Mass Personalization
- C) personalization

D) low production

23. ____ breadboards enable you to build components together into a circuit with just a push fit connection.

A) Soldered

B) Solderless

C) Connected

D) Disconnected

24. ____ are the ways of getting information into your device.

A) Actuators

B) Sensors

C) Circuit board

D) Interface

25. . Actuators are the ____ for the device.

A) Input

B) Instructions

C) Outputs

D) Procedures

26. If you want more nuanced connection than just on/off you need ____

A) Digital Signal

B) Actuator

C) Sensors

D) analogue signal

27. ____ lets you measure varying voltages.

A) ADC

B) DAC

C) Potentiometer

D) Thermostat

28. ____ let you measure sounds and audio

A) Thermostat

B) Switch

C) Microphone

D) LED

29. _____ can be used to respond to vibrations.

A) Microphone

B) Piezo elements

C) Recorder

D) LED

30. Stepper motor can be moved in _____

A) clockwise

B) anticlockwise

C) rotational

D) Steps

31. _____ combine a processor and a number of Peripheral onto a single chip.

A) Computer

B) System on chip

C) Processor

D) Electronic

32. _____ provide working memory for the system.

A) ROM

B) Flash

C) RAM

D)SD card

33. The Arduino Uno provide _____ GPIO pins.

A) 26

B)16

C) 40

D)14

34. _____ remains malleable.

A) Play doh

B) Sugru

C) Plasticine

D) putty

35. You mix two parts to activate the ____

A) Epoxy

B) modelling clay

C) Sugru

D) play doh

36. . Foamcore is made up of a layer of foam sandwiched by ____ sheets of card.

A) 3

B) 5

C) 2

D) no sheets

37. Laser cutter can take a full ____ sheet in one pass.

A) 8' by 6'

B) 8' by 4'

C) 4' by 8'

D) 6' by 8'

38. . Laserable rubber can be used to create ____

A) ink stamp

B) Laser bed

C) foamboard

D) plywood

39. . ____ is a common choice for driving the laser cutters.

A) Vectors

B) Computers

C) CorelDRAW

D) Illustrator

40. . ____ is used in industrial machines but can print any material that comes in a powdered form and can be melted by a laser.

A) laser sintering

B) FDM

C) FFM

D) LOM

41. . What is API?

A) Application Program Interface

B) Application Program Internet

C) Application Programming Interface

D) Application Project Interface

42. ____ may break the terms and conditions of a website.

A) Locking

B) Stealing

C) Screen scraping

D) Copying

43. Data can be protected by ____

A) Copyright

B) Hiding

C) encoding

D) Decoding

44. XML -RPC uses XML instead of ____

A) REST

B) JSON

C) jQuery

D) SOAP

45. ____ is used to open pages and click on the link to other pages.

A) Post

- B) Get
- C) Overload
- D) Over ride

46. Websocket have the benefits of being ____

- A) Unidirectional
- B) disconnected
- C) Bidirectional
- D) Idle

47. . The value of the Constant_____

- A) Changes
- B) Remain unchanged
- C) Sometimes change
- D) frequently change

48. . In ____ it is still possible to run out of memory when using the stack.

- A) Buffer Overflow
- B) Stack overflow
- C) Flash memory
- D) Exception handling

49. ____ is a full TCP/IP stack which runs in low resource condition.

- A) lwIP
- B) uIP
- C) uClibc
- D) BusyBox

50. ____ is a version of the standard GNU C library targeted at the embedded Linux system.

- A) BusyBox
- B) uClib
- C) lwIP
- D) BusyBox

51. System such as the ____ have support for remote debugging with utilities such as gdb, GNU debugger.

- A) Embedded system
- B) Linux
- C) Embedded Linux
- D) RTOS.

52. JTAG has been extended to provide more advanced ____.

- A) Design features
- B) Debugging features
- C) Coding features
- D) Testing features.

53. Business model canvas is developed by ____

- A) Mark
- B) Andrian
- C) James
- D) Alexander Osterwalder

54. . ____ means ' What you will be producing'

- A) Revenue stream
- B) Value proposition
- C) Customer Segments
- D) Channel

55. . ____ are ways of reaching the customer segments.

- A) key resources
- B) value proposition
- C) Channels
- D) Customer Segments

56. ____ include raw materials to create the product and also people to build it.

- A) Channels
- B) Key resources

C) Value proposition

D) Revenue Stream

57. . ____ is required to put a price on the resources and activities you just defined.

A) Cost revenue

B) Expenses

C) Cost structure

D) Key Resources

58. Getting funding from an ____ investor presents its own work and risks.

A) Internal

B) External

C) friends

D) family.

59. In Initial Public Offering ____ shares being issued and sold to the stock market.

A) Old

B) New

C) Existing

D) Upcoming

60. The first step towards selling your idea as a product is to provide it as a ____ .

A) Package

B) Circuit

C) Kit

D) Packet

D) invoice

61. ____ things up is a good step towards making your prototype more robust.

A) connecting

B) separating

C) soldering

D) solderless

62. The points on the tracks where they join the leg of a component are known as ____
- A) PCB
 - B) Legs
 - C) Points
 - D) Pads
63. Fritzing is a free, open source design Package aimed at beginners in ____
- A) PCB design
 - B) Coding
 - C) Testing
 - D) Networking
64. . Schematic let's you layout the components ____
- A) Physically
 - B) Logically
 - C) Temporarily
 - D) Permanently
65. The solder for surface mount work comes as a ____ supplied in tubes or tubs.
- A) Liquid
 - B) Solid
 - C) Paste
 - D) Powdered
66. . ____ Directive aimed at reducing the amount of electronic waste that goes to landfills.
- A) RoHS
 - B) WEEE
 - C). CE
 - D) FCC
67. Who suggested that " The Internet destroys the state".
- A) Eaves
 - B) Mark Weiser

- C) Hakim
- D) Andrew

68. Be aware of ____ attacks from other malicious or compromised websites.

- A) Virus
- B) worms
- C) cross site request forgery
- D) Trojan horse

69. . Which of the following Berg's Internet of Things product , is sold using only BPA-free paper.

- A) Night Lamp
- B) Little Printer
- C) Ackers Bell
- D) Printernet Fridge.

70. . In digital world, moving data rather than physical objects is ____

- A) Slower
- B) Faster
- C) Steady
- D) erroneous

71. . The simplest straight pull mould split into____ halves

- A) Two
- B) Three
- C) Four
- D) Five

72. The thin straight line connection from point to point are known as ____

- A) Air wires
- B) Point to point
- C) Node to node
- D) soldering

73. . ____ might involve a lasting communication between the company and its customers via social media.

- A) Customer Segments
- B) Customer relationship
- C) Channels

D) Key resources

74. The ___ segments are the people you plan to deliver the product to.

A) Customer Segments

B) customer relationship

C) Channels

D) value proposition

75. ___ is a collection of host of useful Unix utilities into a single small executable and a common and useful package.

A) Atomthreads

B) uClib

C) BusyBox

D)lwIP

76. . One of the easiest ways to make your code more efficient is to move to an ____ model rather than Polling for changes.

A) Event-driven

B) Time-driven

C) Flash memory

D) RAM

77. ___ variables exists only during the Functions in which they are declared.

A) Local

B). Global

C) Constant

D) Objects

78. ___ refers to the memory where the information stored in the chips is hard-coded at the chips creation and only be read afterwards.

A) RAM

B) ROM

C) Flash

D) Hard disk

79. ___ draws many of its design features from HTTP.

- A) MQTT
- B) MQTT S
- C) CoAP
- D) XMPP

80. API currently serialises the output only in ____

- A) JSON,XML and text format
- B) XML
- C) JSON
- D). Text format

81. JSON RPC access ____

- A) single web URLs
- B) Set of web URLs
- C) multiple web URLs
- D) 2 web URLs.

82. Who built the Clockodilo IoT device.

- A) Andrian
- B) Hakim
- C)Mark
- D) Willy

83. Which of the following is not the number of axes of movement of CNC milling.

- A) 2.5 axis
- B) 5.5 axis
- C) 4 axis
- D) 6 axis

84. Sheets of the extruded polystyrene usually between ____

- A) 30mm & 160 mm
- B) 25 mm & 165 mm
- C) 25 mm & 175 mm

D) 30 mm & 165 mm

85. Which of the following is best for short term exploration of forms,rather than long term Functional prototypes.

A) Sugru

B) modelling clay

C) epoxy putty

D) foamcore

86. From electronic perspective of electronic, the starting point for prototyping is usually a ____.

A) breadboard

B) Sketch

C) circuit board

D) Bus

87. One of the simplest and most useful __ is light.

A) Sensors

B) Actuators

C) Output

D) Processor

88. ____ let you generate varying voltages from a digital value.

A) Motors

B)ADC

C)DAC

D) Thermometer

89. If your browser requests ____ page, it usually sends that request to port number 80.

a) POP3

b) HTTP

c) Telnet

d)SMTP

90. . MAC address is a 48 bit number usually written as ____

a) eight groups of hexadecimal digits separated by Colons.

- b) Six groups of hexadecimal digits separated by Colons
- c) four groups of six hexadecimal digits separated by Colons
- d) Five groups of hexadecimal digits separated by Colons.

91. . In internet Protocol version 4 almost _____ IP addresses are possible.

- a) 3.4 billion
- b) 4.3 million
- c) 3.4 million
- d) 4.3 billion

92. _____ means spreading the sensors throughout the community.

- a) Gain Trust
- b) Become Dispersible
- c) Being highly visible
- d) being entirely open

93. Designers and _____ works closely to make industrial products.

- a) Artist
- b) Hackers
- c) Engineers
- d) Innovator

94. Some IoT projects draw their inspiration directly from _____

- a) Magic
- b) Project
- c) Experience
- d) Examples

95. With the Internet Of Things we can build three things in parallel.

- A) the physical things, electronic, Internet Service
- B) prototypes, physical things, internet service
- C) electronic, sensors, Internet service
- D) physical things, Internet Service, sketching.

96. _____ Processor are more power hungry .

- A) Slow
- B) Faster

C) Cheap

D) Expensive

97. Simplest moulds are called ____

a) straight-push

b) Moulds

c) Straight-pull

d) Multishot moulds

98. To translate your Gerber file into ____ that your mill needs requires another piece of software.

a) G-code

b) C- code

c) M- code

d) Z-code

99. Your PCB software has ____, which can be used to route all the tracks for you.

a) Route function

b) Auto-route method

c) Route method

d) Auto-route function.

100. Kickstarter was available to use only for funding projects based in the ____

a) U.S.

b) Canada

c) U.K.

d) China

