1. One of the main functions of personal protective grounds is to provide a _____
   impedance path for a short circuit.
a) High   b) Low   c) Smooth   d) Adequate
2. Metals come under which class of fire?

a) Class B   b) class C   c) class D   d) class A

3. An electric current is the
a) Random movement of electrons in a conductor
b) Movement of free electrons predominantly in one direction
c) Pressure difference between two poles
d) The power that causes drift of electrons
4. Correct form of Ohm's law
   (a) I = VR (b) V α I   (c) V = IR (d) R = VI
5. Ohm's law is applicable to
a) Semiconductors   (b) vacuum tubes   (c) electrolytes   (d) none
6. Which of the following statements is correct regarding resistance?
a) The resistance of the conductor is the hindrance by which the conductor opposes the flow
   of current through it
b) The resistance of wire is independent of the temperature for most of the materials
c) The resistance of a wire does not depend upon its material d) None of the above
7. Which of the following stays the same in all parts of a series circuit?
a) Voltage   (b) power   (c) resistance   (d) current
8. The primary function of a fuse is to
          (a) Open the circuit   (b) Protect the appliance
          (c) Protect the line   (d) Prevent excessive currents from flow through the
   circuit
9. Expansion of HRC in fuse is

a) High rated current b) high rupturing capacity

 c) high rated capacity   d) High rupturing current

10. Which of the following cannot be used as a fuse wire?

a) Copper   b) iron   c) silver   d) lead-tin alloy

11. Cells are connected in parallel in order to increase the

a) Life of the cells   (b) efficiency (c) current capacity   (d) voltage rating

12. In a lead acid battery, separators are provided to

          (a) Reduce internal resistance   (b) Facilitate flow of current

          (c) Avoid internal short circuits   (d) Increase the energy efficiency

13. The core of a transformer is assembled with laminated sheets to reduce
a) Hysteresis loss   (b) Eddy current loss (c) Magnetic noise (d) Magnetizing current
14. What is the working principle of a Transformer?
    a) Transformer works on the principle of self-induction
    b) Transformer works on the principle of mutual induction
    c) Transformer works on the principle of ampere law
    d) Transformer works on the principle of coulomb law

15. Which is the active material present on the negative plate in a lead-acid battery?

    a) Lead dioxide   b) Lead peroxide   c) Spongy lead   d) Water

16. The turn-on voltage of a Ge diode is _____ volt

a) 0.7   b) 0.3   c) 1.0   d) 0.1

17. The forward region of a semiconductor diode characteristic curve is where diode appears as

a) A constant current source b) a capacitor c) an OFF switch   d) an ON switch

18. The output of a 2-input OR gate is zero only when its

a) Both inputs are 0   b) either input is 1   c) both inputs are 1   d) either input is 0

19. Which of the following Boolean expressions is 'NOT TRUE'?

a) $A + 1 = A$ b) $A + \bar{A} = 1$ c) $A.A = A$ d) $A.\bar{A} = 0$

20. A transistor has _____ pn junction/s

a) 1   b) 2   c) 3   d) 4

21.the language processor translates the program into object code as a whole…

a) linker   b) debugger   c)compiler   d) interpreter

22.The step by step procedure for solving a problem…

a. programming   b. algorithm   c. planning   d. flowchart

23.The _____ provides pictorial representation of given problem.

A. Algorithm   B. Flowchart   C. Pseudocode   D. All of these

24._____ symbol is used to represent input and output operation in flowchart.

A. Circle   B. Rectangle   C. Diamond   D. Parallelogram

25.The property in CSS used to change the background color of an element is -

a) bgcolor   b)color   c)background-color   d)All of the above

26. The correct sequence of HTML tags for starting a webpage is -

a) Head, Title, HTML, body b) HTML, Body, Title, Head

 c) HTML, Head, Title, Body   d) HTML, Head, Title, Body

27. The HTML attribute used to define the internal stylesheet is -

a)<style>   b)style   c)<link>   d)<script>

28.Which of the following tag is used for inserting the largest heading in HTML?

a) <h3>   b) <h1>   c) <h5>   d) <h6>

29.Material Requirement Planning(MRP) utilizes software applications for scheduling _____.

A .sales management.   B .production processes.

C .marketing techniques.   D. human resource management.

30.The most important step of ERP implementation is _____ phase.

A. installing.   B. training.   C. gap analysis.   D. testing.

31.What is the term for incremental changes to processes in an organization using information technology?

a) Business Process Improvement   b) Business Process Reengineering

c) Business Process Change   d) Business Process Advance

32.ERP supports _____ currency value.

A .multiple   B. single.   C .three.   D. five.

33.Out of these, which one is the most restrictive and refined service model?

a) SaaS   b) IaaS   c) CaaS   d) PaaS

34.Which one of the following is Cloud Platform by Amazon?

a) Azure   b) AWS   c) Cloudera   d) All of the mentioned

35.How many types of services are there those are offered by the Cloud Computing to the users?

a) 2   b) 4   c) 3   d) 5

36.. Which one of the following is not an IoT device?

a)Amazon echo voice controller   b)Google Home   c)Nest Smoke Alarm   d)None of these

37.In which of these a person is continually chased/followed by another person or a group of various people?

a. Identity theft   b. Stalking   c. Bullying   d. Phishing

38.Which of these is a technique that is used to verify a message's integrity?

a. Message Digest   b. Protocol   c. Decryption algorithm   d. Digital signature

39.Which of the following malware types does not clone or replicate itself through infection?

a. Viruses   b. Worms   c. Trojans   d. Rootkits

40.Which of these is NOT involved in the CIA Triad?

a. Confidentiality   b. Availability   c. Integrity   d. Authenticity

41.Which one of the following is the correct extension of the Python file?

a) .py   b). python   c) .p   d) None of these

42. What do we use to define a block of code in Python language?

a)Key   b)Brackets   c) Indentation   d)None of these

43.Which character is used in Python to make a single line comment?

a) /   b) //   c) #   d) !

44. Which of the following is not a keyword in Python language?

a) val   b) raise   c) try   d) with

45. Which of the following words cannot be a variable in python language?

a)_val   b) val   c) try   d)_try_

46. Which of the following operators is the correct option for power(ab)?

a)a ^ b   b) a**b   c)a ^ ^ b   d)a ^ * b

47."Risk" is usually_____as the project progresses.

          A) increases   (B) reduces   (C) remains same   (D) becomes negligible

48. Assembling project team and assigning their responsibilities are done during which phase of a project management?

(A) Initiation   (B) Planning   (C) Execution   (D) Closure

49. The basic nature of a project is a____one.

     A) permanent (B) temporary (C) (A) or (B) (D) Both (A) and (B)

50. A process that involves continuously improving and detailing a plan as more detail become available is termed as

     A) project analysis   (B) project enhancing

 (C) progressive deliberation (D) progressive elaboration

51. A program is usually a group of

A)plans   (B) people and work   (C) related projects   (D) unrelated projects

52. Projects management is generally divided in____process groups.

          A) 5   (B) 7   (C) 9   (D) 11

53. If any one factor of a project changes,____other factor(s) is/are likely to beaffected.

(A) all   (B) one   (C) at least one   (D) at most one

54. The people who are not in the project team are called

A) Initial project team (B) Full project team (C) Project advisors   (D)Core project team

55. Production, manufacturing and accounting are the Examples of?

a) Product   (B) Process   (C) Operation   (D) Objectives

56. Which from the following represents the correct project cycle?

a) Planning→Initiating→Executing→Closing   (B)Planning→Executing→Initiating→Closing

(C)Initiating→Planning→Executing→Closing   (D)Initiating→Executing→Planning→Closing

57. The strategy used to correct resource over-allocations by balancing demand for resources and theavailable supply is known as

a) resource assignment (B) resource leveling (C) resource splitting(D) resource scheduling

58. A horizontal bar chart that shows project tasks against a calendar is called

a) Milestone   (B) goal   (C) Gantt chart   (D) PERT chart

59. The statistical tool that depicts a project's tasks and the relationships between those tasks is known as

a) milestone   (B) goal   (C) Gantt chart   (D) PERT chart

60. Which of the following is NOT a part of project management?

a)   initiating   (B) monitoring   (C) closing   (D) All above are parts

61. The scope of the work is defined in which phase of the project management?

a) Initiating   (B) Planning   (C) Executing   (D) Closing

62. How the project work will be carried out, monitored, and controlled? These questions are answered inwhich phase of the project management?

a) Initiating   (B) Planning   (C) Executing   (D) Closing

63. The review of the successes and the mistakes is normally held during_phase.

a) initiation   (B) planning   (C) execution   (D) closure

64. The business case and the justification for the project is determined during the ____phase.

a)Initiation   (B) planning   (C) execution   (D) closure

65. According to Olivier Mesly, the 4 P's critical for the success of a project are:

A) plan, processes, people, policy   (B) plan, processes, people, power
(C) plan, processes, potential, policy   (D) plan, processes, potential, power

66. People participated in a project or affected by a project activities are known as

A) stockholders   (B) stakeholders   (C) project team   (D) project managers

67.the method of collecting data in terms of verbal responses

A. interview   b. group discussion   c. normal data   d. discrete data

68.letters symbols words , gender are the example of

a. word   b. direction   c. representation   d. normal data

69. data provides numerical information

a. theory information   b. qualitative information

c. quantitative information   d. manipulation information

70. data that is grouped together in different categories

a. grouped data   b. ungrouped data   c. relative frequency   d. none

71. which measure of central tendency includes the magnitude of scores

a. mean   b. mode   c.median   d.range

72. Blake wants to create a stem and leaf plot of the points his basketball team scored this season. These are his teams points 99, 87, 60, 55, 79, 40, 53 which steam and leaf plot correctly shows his team's scores

73. a frequency polygon is

a. a line graph created by joining all of the top points of a histogram

b. the graph that represented the data in the circular graph

c. the graph that lines to connect individual data points.   d. none of these

74.the value that has a higher frequency in a given set of values

a. mode   mean   c.median   d. None of above

75. what is the median of the following data sample 3, 7, 4, 8, 9, 6, 10, 12, 13, 15

a. 7.5   b. 9   c. 8.5   d. 10

76. if the S D is a set of observations is 4 and if each observation is divided by 4, find the S D of the new observations

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

77. find the variance of the values 3, 6, 8 , 9, 11, 7, 10, 12

a. 4.25   b. 7.36   c. 3.46   d. none of these

78. what is the arithmetic average of the absolute deviation of a series called

a. co-efficient of mean deviation   b. mean deviation

c. quartile deviation   d. standard deviation

79. in the absolute measure of dispersion the standard deviation is always

a. zero   b. negative   c. positive   d. none of the above

80. name of graphical method which helps us investigate the dispersion

a. kinked curve method   b. Lorenz curve method c. standard derivation d. mean deviation

KEY ANSWERS TEST 1

1.B	11.C	21.D	31.A	41.A	51.C	61.D	71.A	81.A	91.C
2.C	12.C	22.B	32.A	42.C	52.A	62.B	72.D	82.A	92.C
3.B	13.B	23.B	33.D	43.C	53.C	63.D	73.A	83.B	93.C
4.C	14.B	24.D	34.B	44.A	54.C	64.A	74A	84.D	94.C
5.D	15.C	25.C	35.C	45.C	55.C	65.B	75.C	85.A	95.A
6.A	16.B	26.D	36.D	46.B	56.C	66.A	76.D	86.B	96.D
7.D	17.D	27.A	37.B	47.A	57.B	67.A	77.B	87.A	97.B
8.D	18.A	28.B	38.A	48.A	58.C	68.D	78.B	88.B	98.D
9.B	19.A	29.B	39.C	49.B	59.D	69.C	79.C	89.A	99.A
10.B	20.B	30.C	40.D	50.D	60.D	70.A	80.C	90.B	100.