⭐ Unit 1: Problem Solving ⭐ pakcity.org

Q 1: The steps of defining a problem are:

    (A) Four   (B) Three   (C) Two   (D) One

Q 2: How many Ws are identified in the understanding a problem?

    (A) Infinity   (B) five   (C) Three   (D) One

Q 3: Dividing a complex problem into smaller problems is called:

    (A) Prototype   (B) Act it out   (C) Guess and improve   (D) Divide and conquer

Q 4: The selection of strategy depends upon the:

    (A) None of these   (B) Flowchart   (C) Solution   (D) Problem

Q 5: Candid solution refers to:

    (A) None of these   (B) Unplanned   (C) Checking   (D) Planning

Q 6: Short key to search in web browser is:

    (A) CTRL+F   (B) CTRL+R   (C) CTRL+F4   (D) CTRL+S

Q 7: Which solutions are not reached through proper algorithms or work planning?

    (A) Best solution   (B) Strategized Solution   (C) Candid solution   (D) Prepared solution

Q 8: ……. is a graphical representation of an algorithm.

    (A) Solution   (B) Flowchart   (C) Graph   (D) Matrix

Q 9: Which symbol in the flowchart is used to either start or end the flowchart?

    (A) Decision   (B) Process   (C) Connector   (D) Terminal

Q10: A flowchart is a ……… presentation of the steps to solve a problem.

    (A) All of these   (B) Mentally   (C) Written   (D) Graphical

Q11: In a flowchart, we use input, output, decision making and ………

    (A) All of these   (B) Images   (C) Processing   (D) Data

Q12: How many things are used in a flowchart?

    (A) Five   (B) Four   (C) Three   (D) One

Q13: Input means ……… data from the user.

    (A) None of these   (B) Processing   (C) Giving   (D) Taking

Q14: A flowchart clearly describes a process through….. and text.

    (A) None of these   (B) Program   (C) Symbols   (D) Data

Q15: ………….. used to determine the flow of steps in a flowchart:

    (A) Decision   (B) Processing   (C) Terminal   (D) Flow line

Q16: ………….. symbol indicates the start and end of a flowchart:

    (A) Decision   (B) Processing   (C) Terminal   (D) Flow line

Q17: .... symbol represents the operation of change value in a flowchart:

ⓐ Decision ⓑ Process ⓒ Terminal ⓓ Flow line

Q18: If a flowchart doesn't fit on a page, then we use .... to connect parts of a flowchart on different pages.

ⓐ Connector ⓑ Decision ⓒ Terminal ⓓ Flow line

Q19: .... is a set of steps to solve a problem. It's written in a natural language.

ⓐ All of these ⓑ Problem ⓒ Algorithm ⓓ Flowchart

Q20: .... symbol represents the starting point of an algorithm.

ⓐ Stop ⓑ Set ⓒ Input ⓓ Start

Q21: .... symbol is used to get input from a user.

ⓐ Output ⓑ Set ⓒ Input ⓓ Start

Q22: It is used to update the value of existing data.

ⓐ Output ⓑ If else ⓒ Set ⓓ Input

Q23: symbol is used to check the condition.

ⓐ Goto ⓑ If else ⓒ Set ⓓ Input

Q24: .... Symbol is used to transfer control to a certain step in program.

ⓐ Output ⓑ Goto ⓒ If else ⓓ Set

Q25: How many algorithms can there be to solve a problem?

ⓐ None ⓑ More than one ⓒ Two ⓓ One

Q26: After solving a problem, we need to ....

ⓐ All of these ⓑ Output ⓒ Test ⓓ Process

Q27: Find mistakes made while solving any problem using ....

ⓐ None of these ⓑ Algorithm ⓒ Flowchart ⓓ Testing

Q28: Types of test data is:

ⓐ Five ⓑ Four ⓒ Three ⓓ Two

Q29: .... Solution is tested on extreme values in test data.

ⓐ All of these ⓑ Absent data ⓒ Wrong data formats ⓓ Boundary test data

Q30: .... means to confirm that the solution is for the problem that needed to be solved:

ⓐ None of these ⓑ Both of these ⓒ Verification ⓓ Validation

Q31: .... means to confirm whether the solution is correct or not:

ⓐ All of these ⓑ Flowchart ⓒ Verification ⓓ Validation

Q32: .... means to test if the required solution is there:

ⓐ Flowchart ⓑ Validation ⓒ Algorithm ⓓ Verification

Q33: In a .... error, the solution is working but not giving required results:

   Ⓐ Runtime error   Ⓑ Syntax error   Ⓒ Logical error   Ⓓ Random error

Q34: .... is a technique used to test algorithms.

   Ⓐ None of these   Ⓑ Trace table   Ⓒ Process   Ⓓ Flowchart

Q35: Displays each column in the trace table.

   Ⓐ All of these   Ⓑ Mistakes of data   Ⓒ Values of data   Ⓓ Names of data

Q36: Displays each row in the trace table.

   Ⓐ All of these   Ⓑ Mistakes of data   Ⓒ Values of data   Ⓓ Names of data

Answers:

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#	Ans	#	Ans
1	B	19	C
2	B	20	D
3	D	21	C
4	D	22	C
5	B	23	B
6	A	24	B
7	C	25	B
8	B	26	C
9	D	27	D
10	D	28	A
11	C	29	D
12	B	30	C
13	D	31	D
14	C	32	D
15	D	33	C
16	C	34	B
17	B	35	D
18	A	36	C