

BUSINESS SKILLS

1.Two A's of effective writing ?

Ans=accurate and accessible

2.Details provided in the signature of email ?

1.Name email

2.phone number

3.Role

4.address

Ans : 1,2,3

3.Being objective in writing skills means

1.Figuring out accurate facts and something

2.Figuring out facts but not personal views

3.Assuming stereotypical information

Options

1,2

1,3

1,2,3

2,3

Ans: 1

4.While making the help document for the ABC application or something which factors should be in consideration ?

1.User experience

2.Technical knowledge

3.Gender

4.Experience

Ans : 1,2,4

5.judging others based on our culture.. ?

Ans : Ethnocentrism

6.The production logs can be shared with the concerned team after appropriate ?

- 1.Data masking**
- 2.Review**
- 3.Approval**
- 4.None**

Ans : 3

7.Agile principle

- 1.Leadership over management**
- 2.Management over management**
- 3.Adaptive over prescriptive**
- 4.Prescriptive over adoptive**
- 5.Customer collaborative over contort negotiation**
- 6.Contort negotiation over customer collaborative**

Ans : 1,3,5

8.If a client become informal to you then what will you do... ?

- 1.you will tell your hr**
- 2.will be informal with him**
- 3.will tell him to be formal**
- 4.task oriented and will not send any stickers**

Ans : 4

9.If you are in between you assessment and your manager told you to attend the call what you will do... ?

- 1.say him politely that you will attend the call after your assessment**
- 2.you will ignore it**
- 3.you will tell him that you are doing your assessment**
- 4.will not attend the call**

Ans : 1

10.Declining help .. ?

- 1.Ignore help**
- 2.say don't need anything**
- 3.Not decline at first**
- 4.Politely tell that you are ok and thankyou for asking.**

Ans : 4

11.Client sharing memes. What to do ?

- 1.Paul should be task oriented and polite and ignore**
- 2.Complain to HR because its informal..**
- 3.Sending memes as reply and be friendly..**

Ans : 1

12.What to consider while creating help document for newly introduced search engine in ABC site ?

- 1.Technical knowledge**
- 2.gender**
- 3.interest of user**
- 4.experience**

Ans : 1,3&4

13.context of email

- 1.Introduction, body, conclusion**
- 2.Introduction, body, cohesion**
- 3.Introduction, body, concern**

Ans: 1

14.Purpose of writing is expressed by which type of question?

- 1.When**
- 2.How**
- 3.Why**
- 4.Who**

Ans: 3

15.Paul is going to his brothers wedding....what should he exclude in his draft leave mail ?

- 1.Details of wedding and traveling back to office**
- 2.Reason for leave and return date with other details**
- 3.Current project status and whom to handover until you return**

Ans:3

16.what is value added service

Ans: Customers start recognizing and comparing you with other brand names

17.mark the correct ones which can be written in psr(Project status report)

1.Current status

2.Plan for next phase

3.Areas of concern

4.Suggestions

Ans:1,2,3,4

18.MOM contains?

Ans: date, time, points discussed, participants, agenda, date for next meeting

19.What is Upward flow and downward flow?

Ans: Junior to senior and senior to junior

20.Kav is a client from Germany. Team speaks in their regional language. He feels a bit lost. What can the team do differently.

Ans: The team lead should have stressed the usage of a common language that is English among team members

21.It was Anjali's birthday one of a team members Prati sent her a birthday wish over an email. She had marked CC to all her team members Anjali was well known to many at the office. Therefore there are many who wanted to respond to prati's email how should the other colleagues respond

Ans: Send a separate mail to anjali conveying the wishes

22.Cathy sends invitation to her team members for an unplanned meeting to discuss a new feature to be added in the project. Due to the shortage in time she sends the invitation without an agenda choose the right option

Ans: An Agenda needs to be shared along with the meeting invite.

23. Mike wants to draft an email to his client after his team came up with the network of an application. The network was asked to be done by the client due to some issues that the customer faced after the sample product was tested in the market. how should mike start his email ?

Ans: Apologize to the client for not meeting his expectations

24.select the effective sentence

Ans: The manager's laissez faire attitude has led to an efficient work culture in the team. (the policy of leaving things to take their own course, without interfering)

25. you received the project requirements from the client you are not clear about a certain requirement what is the right way to respond?

Ans: Send an email to the client keeping your manager in the loop.

26. Vivian had around 5 minutes before an important meeting he found a client mail in his inbox and asked for additional requirement he is of the belief that emails need to be responded to promptly Vivian wanted to be on time for the meeting and also wanted to reply to the client What should he do?

Ans: Take time of after the meeting and reply to the client after analyzing the requirement in detail.

27. Which of the following statements are incorrect?

- 1. to field is meant for primary email recipients email is for their information and action**
- 2. CC field is meant for secondary email recipient the email is meant for their information**
- 3. BCC field is typically used for internal broadcast**
- 4. BCC field can be used to hide a recipient while sharing an internal document**

Ans: 3

28. replace the underlined words with a more meaningful one. " Ben reverted/(_____) back to the mail saying that the team will work collaboratively together".

Ans: Replied, together

29. which of the following factors should be considered while wearing ties.

ANS: The tip of tie should always touch the beltline.

30. while writing a subject line it should :-

- 1. Draw the attention of The Reader**
- 2. deliver the Crux of the email.**
- 3. surprise The Reader**
- 4. have at least 10 words**

Ans: 1,2

31. which statements are true about 'customer' and 'client'

Ans: All options are correct.

32.how can one develop assertiveness?

- 1.by showing empathy**
- 2.by showing sympathy**
- 3.by ensuring that others agree with your points**
- 4.by being open to feedback**
- 5.by accepting everyone's views**
- 6.by respecting everyone views**

Ans: 1,4,6

33.what is true about being agile

- 1.Agile teams can never fail**
- 2.Agile is driven by action**
- 3.Agile teams do not experiment**
- 4.Agile teams do not believe in Rationalism**

Ans: 2

34.As you are working you find that certain queries needs to be clarified with the client. upon opening the Instant Messenger you find the status of the client as available what would you do?

Ans: Check whether the client is free to chat. Post your query if the client is free. Else check for a suitable time.

35.which is not a part of Prewriting process

Ans: Proof Reading

36.you meet your colleague in a shopping mall. choose the best response

Ans: Say Hi How is your day? After exchanging pleasantries you may close the conversation.

37.we can share funny videos with coworkers

Ans: It is best to refrain from sending videos unrelated to work.

38.how do you ask your supervisor for a promotion in an assertive tone?

Ans: I would like you to consider my name for the promotion as I believe I have taken on many new responsibilities lately.

39.JAYA AND AMITABH CONVERSATION

Ans: Aishwarya : Passive – Aggressive

Jaya: Aggressive

Amitabh :Assertive

40.Chose the correct options A Good Email

A) Should never overcommunicate

B) Should contain Emotions

C) Should be properly spaced and arranged

D) Should be polite in tone

Ans: A,C & D

41.When communicating with vendors which of the following statements is true?

Ans: We need to document every message between the vendor and TCS.

42.The Elevators are always crowded at ABC facility what rules of elevator etiquette should be followed?

Ans: Always allow the people inside the elevator to disembark before entering the elevator.

43.Select the appropriate statement while transferring a call

Ans: “ Hello Mr. Daniel Let’s get this problem resolved for you. I’m going to transfer you to our specialist who is the best suited person to answer your question.”

44.tcs has created a software as required for a certain bank and add some addons?

Ans:value added service

45.some authorized member of 3rd team deleted some extra data this is because of?

1.lack of communication

2.lack of understanding

3.none of the above

Ans:3

46.one member of a team needs help to solve a problem, but he is afraid to ask for help he thinks that they will not help him. This occurs due to?

Ans:subject of assumption

47.Group Discussion is an important Culture in which country?

Ans: India, Japan, Australia

48. Identify correct statement-We need to accept help when needed.

The key is to be assertive. Being honest about your weakness builds trust

49. Signature of email-

a. name and role

b. phone and emailid

c. personal address

d. Organization website

Ans: a, b, d

50. Being objective in your writing is the ability to:

1. present accurate facts and figures

2. Present facts and not personal views

3. Present stereotypical information

Ans: 1, 2

51. Question related to Paul- Paul can be task oriented and polite. He can avoid reciprocating by.....

52. What is true about agile principle-

Ans: Leadership over management

adaptive over prescriptive

Customer collaboration over contract

Negotiation

53. He had a Masters in Business Administration(MBA). Here MBA is?

1. Elision

2. All

3. Abbreviation

4. Acronym

Ans: Abbreviation

54.The purpose of writing is expressed by which type of question?

- 1.when**
- 2.how**
- 3.why**
- 4.who**

Ans:why

55.The cibi bank requested TCS to upgrade their systems worldwide and to digitize,80% of their

workflow.TCS not only completed the given requirement in time but also provided IT training

sessions for the bank employees to get accustomed to the upgrades.What is this service termed as?

- 1.Value added service**
- 2.Keeping commitments**
- 3.Robotic service**
- 4.Systematic service**

Ans:Value added service

56.select the option that may apply while responding to an angry customer's e-mail?

- 1.All**
- 2.Acknowledge their frustration and restate it in your own words**
- 3.Assure the customer that you will resolve the issue at the earliest**
- 4.Align with the customer by letting them know you have heard and understood the issue.**

Ans:All

57.What are the stages in the IBC approach?

- 1.None**
- 2.Introduction,Body,Content**
- 3.Introduction,Body,Conclusion**
- 4.Introduction,Body,Cohesion**

Ans:Introduction,Body,Conclusion

DESIGN PRINCIPLE AND ALGORITHMS

1.Fastest Sorting algorithm ?

- 1.Heap**
- 2.Merge**
- 3.Bubble**
- 4.Selection**

Ans:2

2.which is the not dynamic programming ?

- 1. 0 1 knap sack**
- 2.Greddy algorithm**
- 3.Primes algorithm**
- 4.None of these**

Ans: 3

3.Which algorithm will give best performance when array is half or almost sorted ?

- 1.Insertion sort**
- 2.Quick sort**
- 3.Merge sort**
- 4.Selections sort**

Ans: 1

4._____method is used for state space search problem.

- 1.None of the above**
- 2.Greedy method**
- 3.Backtracking and branch-and-bound**
- 4.Divide and conquer**

Ans:3

5.KISS design principle _____

- 1.Keep it smart smtp**
- 2.Keep it senders service**
- 3.Keep it simple stupid**
- 4.Keep it system simple**

Ans:3

6.Which of these are core design principles?

- 1.KISS.DRY.WET.YAGNI.SOLID**
- 2.KISS.DRY.WET.JB.SOLID**
- 3.KITS.DRY.WEB.YAGNI.SOLID**
- 4.JVM.DRY.WET.YAGNI.SOLID**

Ans:1

7.____ is the first step in solving the problem?

- 1.Evaluate the solution**
- 2.Identify the solution**
- 3.None of these**
- 4.Understanding the Problem**

Ans:2

8.Time complexity of quick sort?

Ans: $O(n \log n)$

9. algorithm category.. ?

- 1.Minimum coupling and increase cohesion**
- 2.Maximum coupling and decrease cohesion**

Ans : 1

10.Computer algorithm which learns using previous result .. ?

- 1.Linear regression**
- 2.Numerical regression**
- 3.Maturity Thinking**
- 4.Classification**

Ans : 4

11.Duplication of code is the root cause of problem in design principle ?

Ans : True

12.Kadane algorithm is used to find.. ?

- 1.Maximum sum subsequence in an array**
- 2.Maximum sum subarray in an array**
- 3.Maximum product subsequence in an array**
- 4.Maximum product subarray in an array**

Ans : 2

13.Dynamic programming is used where greedy fails to obtain optimality(Optimal solution)If we can decide some appropriate solution like we can say that in kitbag problem how much amount can be stored inside bag but if we need to find shortest distance between a to b we can not decide a perfect solution then we need dynamic programming

14.disadvantage of SOLID principle?

- 1.robust**
- 2.flexible**
- 3.less cost of maintenance**

Ans : 1,2,3

15.Design principle are used because?

- 1.Extensible, reliability and flexibility**
- 2.Extensible and reliability**
- 3.Extensible and flexible**

Ans : 1

16.Single responsibility principle?

Ans:A class should do one thing and one thing only

17.Find out the characteristics of algorithms?

- 1.Algorithms have unambiguous instructions**
- 2.Algorithms have effectively computable instructions**
- 3.All of the above**
- 4.Algorithms are well ordered**

Ans:3

18.Which of the following are the analysis methods?

- 1.All of the above**
- 2.Running Time Complexities**
- 3.Recurrence Relations**
- 4.Asymptotic notations**

Ans:1

19.How many ways the recurrence relation can be solved?

- 1.4**
- 2.3**
- 3.2**
- 4.1**

Ans:2

20.Structured programming follows two basic principles by Dijkstra are?

- 1.avoid GOTO statement**
- 2.Both 2&3**
- 3.none of the above**
- 4.use of single entry and single exit blocks**

Ans:2

21._____used for low level or machine level programming.

- 1.GOTO**
- 2.While**
- 3.Switch**
- 4.Do...While**

Ans:1

22.Which statement is used in the cobol program to terminate the execution?

- 1.END**
- 2.STOP RUN**
- 3.STOP**
- 4.GO BACK**

Ans:2

23.What does DAS stand for?

- 1.Direct Attached Storage**
- 2.Directly assorted Sender**
- 3.Dirceted Ascending Sort**

Ans:1

24.The type of network that connects all TCS offices in Chennai is_____

- 1.LAN**
- 2.SAN**
- 3.WAN**
- 4.MAN**

Ans:4

25. Which of the following complexity analysis is/are correct?

- 1. The worst case running time for building a red black tree is $O(n \log n)$**
- 2. The worst case running time for building a binary search tree is $O(n \log n)$**
- 3. The worst case running time for building a red black tree is $O(n^2)$**
- 4. The worst case running time for building a binary search tree is $O(n^2)$**

Ans: 1, 4

26. PANS has the limited range connection less than _____

- 1. 30 feet**
- 2. 10 feet**
- 3. 20 feet**
- 4. 40 feet**

Ans: 1

27. _____ solution required reasoning build on knowledge and experience

- 1. Algorithmic Solution**
- 2. Random Solution**
- 3. Heuristic Solution**
- 4. None of these**

Ans: 3

28. SCADA Stands for _____

- 1. Supervisory Collision and Data Acquisition**
- 2. Super Control and Data Acquisition**
- 3. Supervisory Control and Data Acquisition**
- 4. Supervisory Control and Document Acquisition**

Ans: 3

29. Duplication of code is the root cause of most of the maintenance problems

Ans: true

30. What is the sequence of the transition management phases

Ans: KT to secondary support to primary Support

31. We use dynamic programming approach when

- 1. we need an optimal solution**
- 2. the solution has optimal substructure**

Ans: 2

32.After creating a Knowledge Article(KA)

- 1.All**
- 2.Check and re-certify the KA at regular frequency**
- 3.Ensure exceptions are clearly visible**
- 4.Ensure you have used the standard template**

Ans:4

33.sort almost Sorted array-Insertion sort

34.List 3 aspects that will be at stake,if a major impact on business has occurred due to an outage

- 1.Integrity in business and sales revenue**
- 2.Sales Revenue,Brand reputation and integrity in business**
- 3.Brand reputation, Employee Utilization**
- 4.Employee Utilization,Brand Reputation and Sales Revenue**

Ans:Employee utilization,Brands reputation and Sales Revenue

34.Actions not to be taken during flood of alerts is

- 1.Relating the incidents for quick closure**
- 2.Disabling the alerts**
- 3.Following the Hierarchical escalation**

Ans:Following the Hierarchical escalation

35.Amazon had suffered a major outage of its simple storage service also known as s3.Here is what happened,stating the outage,an authorized s3 team member using a command which was intended to remove a small number of servers for some process.Unfortunately,one of the inputs to the command was entered incorrectly and a larger set of servers was removed than intended.This has occurred due to

- 1.Access management,as authorized team member inappropriately made use of his access without proper validation**
- 2.None**
- 3.communication and escalation management as incident occurred due to wrong information being passed to the team member**
- 4.Proper knowledge transfer was missing which led the team in distress.Lacked clarity and knowledge regarding the incident**

Ans:4

36. Advantages of SOLID principles are-

- 1. Help design systems that are robust**
- 2. Helps design systems that are flexible**
- 3. Helps design systems that exhibit ease of maintenance**
- 4. Helps design systems that do not cost much to maintain**

1.1 and 2

2.1,2,3

3. All

4.2 and 3

Ans:3

37. Developers should follow the design principles to achieve which of the following qualities

- 1. Extensible and Simplicity**
- 2. Extensible, Maintainability and Readability**
- 3. Readability and Simplicity**
- 4. Maintainability**

Ans:2

JAVA

```
1.class A
{
Final a;
System.out.println(a);
}
```

....

Ans : error in line 3

2.To find length of the string:

String a;

1.a.length

2.a.length()

Ans : a.lenght();

```
3.class Box{
```

.....

```
}
```

```
Class solution {
```

```
Box box[]={b1,b2,b3,b4,b5};
```

```
For(int i=0;i<box.length();i++)
```

```
}
```

Ans : error (because we should use box.length)

4.Object includes ?

1. attributes

2.behaviour

3.both

4.None

Ans : 3

5. ____ is also known as static variable.. ?

1) class variable

2) instance variable

3) local variable

4) all of above

Ans :1

6. Predict output of program

```
char ch=127;  
ch++;  
System . out . println(ch+" = "+(int)ch);
```

- 1) compilation error
- 2) ? = 128
- 3) garbage value =- 128
- 4) none of above

Ans :3

7. Predict output of program

```
String s[] = {hybernate, java, object}  
Arrays . sort(s);  
for(String k in s)  
{  
System . out . println(k);  
}
```

- 1) java hybernate object
- 2) hybernate java object
- 3) hybernate object java
- 4) object java hybernate

Ans:2

8. Predict output of program

```
String str = "I like JAVA";  
System . out . println(str . length());
```

- 1) 12
- 2) 11
- 3) 10
- 4) 9

Ans : 2

9. Which operator gives result if no condition satisfies.?

- 1) IN
- 2) OR
- 3) NOT
- 4) AND

Ans :3

10. Which is not the correct declaration ?

1.int a_1

2.int 1_a

3.int A1

4.None

Ans: 2

11. Tick the correct one-

1.Java is platform independent

2.Jvm is platform dependent

3.Jvm converts byte code into machine level code

Ans: tick all of these

12.Static int a=1;

Inc()

{

a++;

Print(a)

}

Inc()

Inc()

1.1,1

2.1,2

3.2,3

4.2,2

Ans: 3

13. What is the output of relational operator?

Ans: Boolean(true, false)

14. Which among the following falls under key elements of programming?

1.Good analytical skills

2.Declarative knowledge

3. imperative knowledge

4.Abstraction knowledge in programming

Ans: 1, 2, 3, 4

15.What is the extension of java code files?

.java

.class

Both 1 and 2

.txt

Ans: 1

16.Which is not OOPS concept?

1.Compilation

2.Polymorphism

3.Encapsulation

4.Inheritance

Ans: 1

17.Which component is used to compile, debug and execute java program?

1.JIT

2.JRE

3.JVM

4.JDK

Ans: 4

18.What is the extension of compiled java classes?

.java

.txt

.class

Ans: 3

19.Which of these can not be used for a variable name in java?

1.Identifier & keyword

2.Keyword

3.Identifier

4.None of these

Ans: 2

20.expression1 ? expression2 :expression3| what it will return?

1.Float

2.Integer

3.Boolean

Ans:3

21. Which of these is long data type literal?

1. 0x99ffa

2. 0x99ffL

3. 99671246

Ans: 2

22. Which of these is superclass of every class?

1. String class

2. Object class

3. Abstract class

4. ArrayList class

Ans: 2

23. Which of these keywords can be used to prevent inheritance of a class?

1. Constant

2. Class

3. Super

4. Final

Ans: 4

24. what is the output?

```
public static void main(String[] args)
{
    int var1=1;
    if (var1)
    {
        System.out.println("Inside If Condition");
    }
}
```

a) Inside If Condition

b) does not print anything

c) Compilation Error

d) Run Time Error

Ans: c (var1 is int not boolean)(var1==1)

25.what is the output?

```
public static void main(String[] args)
{
int var1;
if (var1==0)
{
System.out.println("Inside If Condition");
}
}
```

- a) Inside If Condition**
- b) does not print anything**
- c) Compilation Error**
- d) Run Time Error**

Ans: c (var1 need to be initialized)

26.What modifier can be used to prevent any method or attribute to be not visible to external classes?

- a. Private**
- b. Public**
- c. Protected**
- d. Default**

Ans: a

27.What modifier can be used to restrict a method or attribute to be invisible outside its package?

- a. Private**
- b. Public**
- c. Protected**
- d. Default (No modifier)**

Ans: d

28.If package name containing more than one word is used, the words must be separated by

- a. comma**
- b. dot**
- c. hyphen**
- d. underscore**

Ans: b

29.All the classes in a package can be simultaneously imported by using
__*__ wildcard

30. Which of the following statement declares an int array of size 10?

a)int[10] array

b)int array[10]

c)int[] array = new int[10](answer)

d)int[10] array = new int[10]

e)int[] array = new int[10]{}
Ans: c or int[] array = new int[] {1,2,3}

31.import java.util.Scanner;
public class Solution {
public static void main(String[] args) {
String[] s= {"10","20","30","40"};
for(String result:s)
{ if(result.contains("30"))
continue;
System.out.println(result);
}
}

Ans:

10

20

40

```

32.import java.util.Scanner;
public class Solution {
public static void main(String[] args) {
double d1=50;
float d2=10;
float d3=d1/d2;
System.out.println(d3);
}
}

```

1.runtime error

2.5.0

3.compile error

4.5.0f

Ans:3(float and double type mismatch)

```

33.import java.util.Scanner;
public class Solution {
static void isHelloWorld()
{
String str="Hello World";
if(str.equals("Hello World"))
System.out.println(str);
if("Hello World".equals(str))
System.out.println(str);
System.out.println(str=="");
}
public static void main(String[] args) {
isHelloWorld();
}
}

```

1.Hello World

Hello World

False

2.Hello World

Hello world

true

3.compile error

4.run error

Ans:1

35.correct way of using for-each loop?

Ans:for(double element:myList){}

36.Correct options about JVM

a.jvm is responsible to convert bytecode to machine specific code

b.jvm is platform dependent and provide core java function

Ans:both a and b

37.import java.util.Scanner;

public class Solution {

public static void main(String[] args) {

int arr[]={3,1,2,6,4,2};

arr=abc(arr);

for(int i=0;i<arr.length;i++)System.out.print(arr[i]+" ");

}

public static int[] abc(int[] list)

{

int[] result=new int[list.length];

for(int i=0,j=result.length-1;i<result.length;i++)result[j]=list[i];

}

return result;

}

}

1.3 1 2 6 4 2

2.2 4 6 2 1 3

3.Runtime error

Ans:compile time error (2)

38.Strings in java are mutable.

Ans:false

```
39.import java.util.Scanner;
public class Solution {
public static void main(String[] args) {
byte b=200
System.out.println(b);
}
}
```

1.200

2.compile error

3.runtime error

4.-127

Ans:2

```
40.import java.util.Scanner;
public class Solution {
public static void main(String[] args) {
Solution t=new Solution();
boolean b=t instanceof Object;
System.out.println(b);
}
}
```

1.false

2.runtime error

3.true

4.compile error

Ans:3

```
41.import java.util.Scanner;
public class Solution {
private String name="TATA";
public static void main(String[] args) {
Solution t=(Solution)new Object();
System.out.println(t.name);
}
}
```

1.runtime error

2.TATA

3.Compile Error

Ans:1

UNIX

1.To copy two files in a new files ?

Ans: cat file1 file 2 > file 3

2.To sort the records from large to small number and print the largest number ?

Ans: Option with Desc limit 1

3.Grep tata.*services\$

//multiple answer question

Ans : which has tata -- service – may contain anything like consultancy , conference etc..

4.To remove a folder which have files

1.rm -rf

2.rmdir -l

3.rmdir

4.rm

Ans: 1(rm-r to remove non empty folder and -f for force which is write protected)

5.Grep -v java

// multiple answer question

Ans: options which doesn't contain the java word in the line is the answer

6.S=0 {s=s+\$2}

Avg of second column

Sum of second column

Ans : 2

7.Unix command to remove duplicates in line ?

1.sort -u

2.sort unique

3.uniq

4.unique

Ans : 1

8.What is output of below commands.. ?

grep -o cat animal.txt

grep 'cat' animal.txt

1.cat cat

2.Cat Cat

3.None cat

4.none of these

Ans : 1

9.File and directory permission access will be done by which command ... ?

Ans : chmod

10.On update cascade ensures what .. ?

1.Data integrity

2.Normalization

3.Materialized

4.All

Ans : 1

11.Delete lines from 'this' file .. ?

1.Sed/'this'/d file

2.Delete -f this file

3.Sed/this/file

4.Sed/this/d file

Ans : 1

12.String 'llp' file case insensitive.. ?

1.Grep -i 'llp' file.txt

2.Grep -wi 'llp' file.txt

3.Grep -w 'llp' file.txt

Ans : 1

13.Compress file in unix .. ?

1.Compress

2.Comp

3.Zip

4.gzip

Ans : 3,4

14. Pattern match at beginning of file ?

1. Pat^

2. Pat\$

3. \$pat

4. ^pat

Ans : 4

15. Length of longest file .. ?

1. Wc -cl

2. Wc -L <filename>

Ans : 2

16. Sort file1| uniq -u

1. Sort the file name file 1 and displays distinct lines

2. Find unique lines and sort

3. Command has syntax error

4. Sort the file and display duplicate lines

Ans : 1

17. Query to delete primary key constraints .. ?

Ans : Drop

18. To print first line from file1.txt use,

1. echo \$1 file1.txt

2. awk 'NR==1' file1.txt

3. head -1 file1.txt

4. sed -n '1p' file1.txt

Ans : 2,3,4

19. What is output of below command

awk 'BEGIN{s=0 while(s<55){print s; ++s}}'

1. prints 0 to 54 number

2. prints 0 to 55 number

3. syntax error.

4. infinite loop

Ans : 3 (if s=0; then 1)

20.To count only words from which command is used ?

- 1.wc filename**
- 2.wc -w filename**
- 3.wc -word filename**

Ans :2

21.S=S+\$2.. ?

- 1.avg of second column**
- 2.sum of second column**
- 3.None**

Ans: 2

22. _____ displays all environment variables

- 1.environ**
- 2.env**
- 3.HOME**
- 4.HOM**

Ans:env

23.in order to determin value of a variable use the command?

- 1.echo**
- 2.cat**
- 3.ls**
- 4.set**

Ans:4

24.what is unix?

- 1.an operating system**
- 2.programming language**
- 3.software**
- 4.editor**

Ans:1

25.what are three main components of the Unix Architecture

- 1.kernel,data,PC**
- 2.pcb,utilities,shell**
- 3.shell,kernel,shared memory**
- 4.kernel,shell,utilities**

Ans:4

26. When a process finished its execution and exit status not received by the parent, the process state becomes...

- 1.new**
- 2.stopped**
- 3.orphan**
- 4.Zombie**

Ans:4

27. A file's modification time can be changed by using

- 1.new access**
- 2.change**
- 3.touch**
- 4.cat**

Ans:3

28. which command is used to recursively copy the file?

- 1.cp-a**
- 2.cp-all**
- 3.cp-r**
- 4.cp-v**

Ans:3

29. Which command can be used to append some text at the end of some file?

- 1.cat>**
- 2.append**
- 3.cat**
- 4.cat>>**

Ans:4

30. Which of the following commands uses correct syntax for matching the patterns bunk or bank at the end of a line of text

- 1.grep 'b[au]nk\$' myFile**
- 2.grep 'b[a-u]nk\$' myFile**
- 3.grep b[a-u]nk\$ myFile**
- 31.grep b[au]nk\$ myFile**

Ans:1

32.The regular Expression that matches any one of the following: a b c d 5 6 7 8 x y z?

- 1.[a-d/5-8/x-z]**
- 2.[a-d][5-8][x-z]**
- 3.['a-d''5-8''x-z']**
- 4.[a-d5-8x-z]**

Ans:4

33.Which of the following regular expression will match the pattern TCS only at the beginning

- 1.\^TCS**
- 2.TCSS\$**
- 3.^TCS**
- 4.\$TCS**

Ans:3

34.Which one of the following is/are relative path names in unix

- 1./usr/home/unixdata/backups**
- 2.unixdata/backups**
- 3.~unixdata/backups**
- 4./home/unixdata/backups**

Ans:2(does not start with / or ~)

35.Which command will calculate 4+2 and print the calculated value?

- 1.bc<4+2**
- 2.bc<<4+2**
- 3.bc<<<4+2**
- 4.none of these**

Ans:3

36.name|age|amount|Type

herra|25|6000|CSR

abhi|26|4000|CSR

which command will print name and type

- 1.cut -F"|" -f1,4 donation.txt**
- 2.cut -d"|" -f1,4 donation.txt**
- 3.cut -F"|" -f1-4 donation.txt**
- 4.cut -d"|" -f1-4 donation.txt**

Ans:2(d for delimiter and f for field)

37.What is the use of \$# in shell scripting?

- 1.gives the number of rows in the script**
- 2.gives the count of number of arguments passed into the shell script**
- 3.gives the count of files passed into the script**
- 4.gives a boolean value based on number of arguments**

Ans:2

38.Which awk command will give you the average of third column of the input file which has | delimiter

- 1.awk 'BEGIN{FS="";s=0}{s=s+\$2}END{print s/NR}'average.txt**
- 2.awk 'begin{FS="|";s=0}{s=s+\$2}END{print s}'average.txt**
- 3.awk 'BEGIN{FS="|";s=0}{s=s+\$2}END{print s/NR}'average.txt**
- 4.awk 'BEGIN{FS="|";s=0}(s=s+\$2)END{print s/NR}'average.txt**

Ans:3

39.what is true regarding pype() symbol

- 1.pipe symbol will combine only 2 unix commands**
- 2.pipe symbol will be used only in case of calculation**
- 3.Right side of the pipe symbol will get executed first**
- 4.pipe symbol used to combine more than 1 unix commands**

Ans:4

40.#!/bin/bash

if [\$# -ne 1]

then

echo "Pass the input file"

else

sort \$1>newfile

head -n1 \$1>>newfile

what will be the output?

- 1.Both sort filter and head file will be executed for the input file passed,both output will be saved to the file named newfile**
- 2.only sort output**
- 3.only head output**

Ans:1

41.grep -vn "abc" x

what does the above command execute?

- 1.It will print all of the lines in file x that do not match the search string "abc"**
- 2.It will print total no of the lines in the file x that match the search string "abc"**
- 3.It will print the specific line numbers of file x in which there is a match for the string "abc"**
- 4.It will print all the lines in the file x with line number that do not match the search string "abc"**

Ans:It will print all the lines in the file x with line number that do not match the search string "abc"

42.Which command is used to change permission levels of a file or directory?

- 1.chomod**
- 2.return**
- 3.unset**
- 4.passwd**

Ans:chmod

43.Select the command to read the input from the User in shell scripting?

- 1.read**
- 2.scan**
- 3.ip**
- 4.input**

Ans:read

44.Select the below awk command to print the lines matching the given pattern in a given file "student.txt"(pattern:/topper)

- 1.awk '/topper/ {print}' student.txt**
- 2.awk "find("/topper")/{print}" student.txt**
- 3.awk '/{print}/topper student.txt**
- 4.awk "/topper/{print}" student.txt**

Ans:awk '/topper/ {print}' student.txt

45.What is the output of below command.

find .-name "Abc*.??t"

1../Abcd.txt

./Pabc.phpt

./Abcon.dat

2../Abcon.dat

3../Abcd.txt

./Abd.dat

./Abcon.dat

4../Abcd.txt

./Abcon.dat

Ans:./Abcon.dat

SQL AND PL/SQL

1.What type of join in below statement..?

Select column name(s) from table1 T1 , table2

T2 Where condition;

1.self join

2.inner join

3.outer join

4.Left outer join

Ans: 1

2.Plsql question with global variables and local variables

1.95,95

2.95,195

3.195,195

4.Error

Ans : 4

3.How many types of indices are present in sql server ?

1.2

2.1

3.3

4.4

Ans: 1

4.sql command-

1.select age where age between 30 and 100

2.select age where age(30,100)

3.select age where age>=30 and age<=100

Ans:1

5.which is the invalid command in sql ?

1.Revoke

2.Join

3.Fetch

4.Like

Ans : 3

6.To increase the size of a column in SQL.. ?

Ans : ALTER TABLE table_name MODIFY column_name datatype(new_size)

7.One question from plsql was” the upward to lower flow in a loop is ?”

1.inverse

2.reverse

3.backward

4.none

Ans : 2

8.SQL Query used to search details based on the 1st character in a column..?

Ans : Select * from table_name where name like ‘(char)%’;

9.What is purpose of type and rowtype ..?

Ans: TYPE provides datatype of a variable and ROWTYPE provides record type that represents a entire row of a table or view or columns selected in the cursor

10.Procedure can be called in how many ways

1.automatically called

2.called using select statement

3.using execute command

4.calling the name of the procedure from other plsql block

Ans: 3,4

11.What will happen

(pl/sql code)

Exit when (c1%rowcount>5) or (c1%notfound)

Ans: terminate loop when row count is greater than 5 or when no data found

12. Which are the types of conditional statements in plsql ?

1. IF THEN END IF

IF THEN ELSE END IF

IF THEN ELSEIF END IF

2. IF THEN END IF

IF THEN ELSE END IF

IF THEN ELSIF END IF

3. IF THEN END IF

IF THEN ELSE END

IF THEN ELSEIF END

4. IF THEN END IF

IF THEN ELSE END

IF THEN ELSIF END

Ans :2

13. Store A 300

Store B 200

Store C 100

Store D NULL

avg(sales)=?

1. $600/3=200$

2. $600/4=150$

3. Error

Ans: 1

14. We cannot use where clause with truncate.

1. True

2. False

Ans:1

15. What is the output of the below query?

select left('Welcome to PLSQL',3)

1. wel

2. Error

3. SQL

4. We

Ans:1

16.Sql command to drop the column in specific table.. ?

Ans : alter table tablename drop column column Name

**17.What is the clause we need to add in function body
return variable**

1.RETURN

2.RETURN VARCHAR2(20)

3.RETURN VARCHAR2

Ans:3

18.Which of the following is the examples of named block

1.Procedure

2.Trigger

3.All of the Above

4.Function

Ans:3

19.Cursor should be declared in begin block in pl/sql?

1.false

2.true

Ans:1(should be defined in the declaration section)

20.Which of the following is not a cursor attribute?

1.None of the above

2.SQL%FOUND

3.SQL%ROWCOUNT

4.SQL%ISOPEN

Ans:1

21.choose the incorrect variable declaration from the below statements

1.v_text number(10);

2.v_text varchar2(10)='Hello world';

3.v_char char(1)='N';

4.v_number varchar2(10);

Ans:2

**22.create or replace function min_age return number as result customer age%type;
Begin select min(age) into result from customer;
return result;
end;**

- 1.delete from customer where age=min_age();**
- 2.insert into customer values(900,'dhruv',min_age());**
- 3.select from customer where age=min_age();**
- 4.update customer set age=age+1 where age=min_age();**

Ans:1,4

23.Nulls in pl/sql can be assigned and it can be equated with anything including itself.

- 1.true**
- 2.false**

Ans:2(null is never equal to anything including null)

**24.incorrect way of working with cursor declare cursor c(custid customer.id%type) IS
select age from customer where id=custid;**

- 1.open c(104);**
- 2.none**
- 3.For x in c(104);**
- 4.FETCH c(104) into age;**

Ans:2

**25.create table couples(id char(2) primary key not null,first_name varchar2(50) not
null,last_name varchar2(50) not null) insert into couples values('10','joe','johnson');
declare husband_id char;**

**begin select id into husband_id from couples where first_name='joe' and
last_name='johnson';
insert into couples(id,first_name,last_name) values(husband_id+1,'janeti','johnson');
exception when no_data_found then dbms_output.put_line('no rows found');
when value_error then dbms_output.put_line('value error occurred');
when others then dbms_output.put_line('exception');
end;**

- 1.exception**
- 2.no rows found**
- 3.values error occurred**
- 4.block executed successfully with no exceptions.**

Ans:4

26.Employee

EMPno name Designation

1001 Arun Software Engineer

1002 kishore Sr.Software engineer

1003 Resmi Software Engineer

1004 Sanjay Porject manager

1005 Madhav Sr. software engineer

What will be the result after executing below set of queries?

DELETE FROM employee where designation like 'S%'

Update employee set designation="Software Engineer';

select count(*) from employee where designation like 'S%';

1.0

2.none

3.1

4.4

Ans:3

27.CREATE TABLE Students(ROLL_NO NUMBER(5) PRIMARY KEY,NAME VARCHAR(50));

ALTER TABLE Students ADD PRIMARY KEY(ROLL_NO);

1.Invalid statement

2.table can have only one primary key

3.Primary key cannot be duplicated

4.ROLL_NO is invalid

Ans:2

28.Table A

ID-1,2,4,8

Table B

ID-1,4,5,null

what will be output of below query

select count(*) from table B where id not in (select A.id from table A left join table B on A.id=B.id);

1.8

2.1

3.4

4.2

Ans:2

29.The count function in sql returns the number of

- 1.Unique values**
- 2.Group by values**
- 3.None**
- 4.Not null values**

Ans:4

30.which of the following is not a constraint in sql?

- 1.ISNULL**
- 2.CHECK**
- 3.PRIMARY KEY**
- 4.DEFAULT**

Ans:1(NOTNULL)

31.Which query will change the branch of the employee from Bangalore to Chennai whose empname is SRIDEVI and MANI

- 1.update employee set branch='Chennai' where empname like('Sridevi','Mani')**
- 2.update employee set branch='Chennai'**
- 3.update employee set branch='Chennai' where empname in('Sridevi','Mani')**

Ans:3

32.Which query will delete the employees other than the Chennai branch

- 1.delete* from employee where branch!='Chennai'**
- 2.delete from employee where branch!='Chennai'**
- 3.delete * from employee where branch not 'Chennai'**
- 4.All**

Ans:2

33.Which constraint checks for availability of data in a column

- 1.None**
- 2.Check**
- 3.Primary key**
- 4.Not Null**

Ans:Check

34. _____ command in sql restores the database to last committed state

1.Savepoint

2.None

3.Rollback

4.Commit

Ans:Rollback

35.How to write alias in sql

1.select ename as Employee Name from employees;

2.select ename "Employee Name" from employees;

3.select ename 'Employee Name' from employees;

4.select ename(Employee Name) from employees;

Ans:select ename as Employee Name from employees;

36.In correlated subquery,inner query is executed for the last row of the outer query.

1.False

2.True

Ans:false

37.which query display the employees whose name starts with 'S'

1.select * from employees where name='S'

2.select * from employees where name like '%S'

3.select * from employees where name='S%'

4.select * from employees where name like 'S%'

Ans:4

38.empid empname salary

101 Arun 10000

102 varun 20000

103 vanjana 1500

104 Sahiti 25000

what will be output of below query?

select * from (select empid from Employee order by salary desc) where rownum=1;

1.102

2.103

3.Error

4.104

Ans:104

39. Which clause eliminates the duplicate rows from the output projected by a select statement?

1. single

2. select

3. eliminate

4. distinct

Ans: distinct

HTML,CSS,JAVASCRIPT

1.Syntax of background image in CSS ?

Ans: background-image

2.All html tags have closing tags ?

Ans: false

3.what is command for ordered list with roman number ?

Ans: <ol type='I'>

4.Which is not CSS unit ?

1.em

2.ut

3.%

4.px

Ans:2

5.p{ color: green }

<p>xyz</p>

Paragraph is printed in which color

1.Green

2.Red

3.Blue

4.Error

Ans : 1

6.Emphasing the text in html ... ?

**Ans : **

7.Tag which is not for formatting text ?

1.

2.<p>

3.

4.<i>

Ans : 2

8.which is the invalid field in HTML5 ?

- 1.Day**
- 2.Date**
- 3.Datetime**
- 4.Month**

Ans : 1

9.Which is invalid escape sequence in JavaScript ?

- 1./r**
- 2./b**
- 3./f**
- 4./e**

Ans : 4

10.you have created a shell script and wants to run the script . what should you do before try to run the script ?

- 1.No action required**
- 2.Compile the script.....**
- 3.Update the execute permission of the script**

Ans : 3

11.Caption tag is used with ...

- 1.Image**
- 2.Table**
- 3.Both**
- 4.None**

Ans : 3

12.Text-align:justify... ?

- 1.Left**
- 2.Right**
- 3.Center**
- 4.None of these**

correct answer [Stretches the lines so that each line has equal width])

Ans : 4

```
13.a:link,a:visited {  
background-color : red;  
}  
a:hover {  
background-color : green  
}
```

`Click me `

- 1.will create a button having background color red
2. will create a link having background color red and on moving the pointer background color will be green
- 3.will create a link having background color green
4. will create a button having background color red and on moving the moving the pointer color will change to green

Ans:2

14.Question from javascript section , 'var x=100+5**3 ? '

- 1.125
- 2.225
- 3.NAN

Ans : 2

15.Which tag is used to emphasize the text.. ?

- 1.
- 2.
- 3.<emph> or

Ans : 3

16.<p>top news </p>

<blockquote url: Hindu
news.com</blockquote>

Today's news block quote display or not ?

- 1.True
- 2.False

Ans : 1

17.Which is not inline in html ?

- 1.<hr>**
- 2.
**
- 3.**
- 4.<a>**

Ans : 1

18.Array in javascript.. ?

- 1.List form[]**
- 2.Tuple form()**
- 3.Dictionary form{}**
- 4.None of these**

Ans : 1

19.Color in html not valid .. ?

- 1.Color: darkblue**
- 2.Color :#000ff**
- 3.Color : rgb(0,0,255)**
- 4.Color :blue**

Ans : 2

20.<img url="sky.jpg" width="100" height="100" opacity="0.25".. ?

- 1.Display with mentioned width and height**
- 2.Display image as watermark**
- 3.None of these**

Ans : 2

21.Appearence of <ins> tag ?

- 1.Italics**
- 2.Underline**
- 3.Bold**
- 4.Unformatted**

Ans : 2

22.A link can be image or any other html element ?

- 1.True**
- 2.false**

Ans :1

23.Svg is used for ?

1.drawing lines , graphics etc.

2.for sound to pause, play etc.

Ans :1

24. is used for ?

1.to select inline block

2.to group elements for styling purposes.

3. --

4. –

Ans :2

25.Which property is not applicable for paragraph ?

1.float

2.border

3.margin

4.font-family

Ans : 1

26.Which block of code will be executed ?

1. p{

<!-- comment

color: red;

}

2. p{

/* comment */

color: red;

}

3. p{

// comment

color: red;

}

4. p{

comment

color: red

}

Ans :2

27. Which of below block is used to style Xplore <h1> tag ?(<h1 class="Xplore">)

1. h1{.....}
2. xplore.h1{.....}
3. h1{....}
4. h1.xplore{....}

Ans : 4

28. <p class="abc"></p>

<script>

var x ;

document.getElementsByClassName("abc").innerHTML = x;

</script>

What is output of code ?

- 1) NaN
- 2) 0
- 3) 1
- 4) error

Ans : 1(Value of x is NaN)

29. JavaScript run using ScriptEngine ?

1. True
2. False

Ans : True

30. Which of these statement is correct in JavaScript?

1. true and false are numeric values 1 and 0.
2. true and false are numeric values 0 and 1.
3. true is any nonzero value and false is 0.
4. true and false are nonnumeric values.

Ans: 4

31. <p class="A">ABC</p> how to style ABC?

1. .A{color: red;}
2. #A{color: red;}
3. *A{color: red;}
4. A{color: red;}

Ans: 1

32. Which is not CSS properties?

- 1. background-render**
- 2. background-attachment**

Ans: 1

33. <style>p{color:red;}#xp{color:green;}</style>

<body><p id="xp">Xplore Training</body>

- 1. Display 'xplore Training' in red color**
- 2. Display 'xplore Training' in green color**

Ans: 2

34. Which of the following is a valid array declaration in java Script?

- 1. None**
- 2. var week=new Array{"Sun","Mon","Tue","Wed"};**
- 3. var week=new Array("Sun","Mon","Tue","Wed");**
- 4. var week=new Array["Sun","Mon","Tue","Wed"];**

Ans: 3

35. can we modify the attribute's value of the HTML tag dynamically?

- 1. Yes**
- 2. No**

Ans: yes

36. Which of the following is not a CSS background properties?

- 1. Background-colour**
- 2. Background-attachment**
- 3. Background-image**
- 4. Background-repeat**

Ans: background-colour

37. <style>#st1{}.st2{}</style>

<body><p class="st1">Hello</p></body>

Ans: None of the options

37. Which of the following is a correct syntax for applying border for a entire table?

- 1. <style>
table,th,td{
Border:1%
}
</style>**
- 2. none**
- 3. <style>table,th,td{border:1px solid black;}</style>**
- 4. <style>Table,{border:1px solid black;}</style>**

Ans:3

38. whether HTML5 will be supporting inline style for a label?

- 1. Yes**
- 2. No**

Ans:yes

**39. <body><p id="demo"></p><script>var
fruits=["red","green","blue","black"];document.getElementById("demo").innerHTML=
fruits.toString
();</script></body></html>**

- 1. ["red","green","blue","black"]**
- 2. red,green,blue,black**
- 3. none**

Ans:2

40. which of the following is a correct syntax for applying italic style?

- 1. font-family:italic;**
- 2. font:italic;**
- 3. font-style:italic;**
- 4. all**

Ans:font-style:italic;

DBMS AND RIO

1.. Rio weekly celebrate because ... ?

Ans : Aimed to improve System support

2.operationFlow of information in Rio.. ?

1.Primary -> Secondary -> KT

2.Secondary -> Primary -> KT

3.KT -> SECONDARY -> PRIMARY

Ans : 1

3.Transiation phase ?

1.Primary -> Secondary -> KT

2.Secondary -> Primary -> KT

3.KT -> SECONDARY -> PRIMARY

Ans : 1

4.In which normalization from transitive dependency.. ?

Ans : 3nf

5.How to print server output on terminal ?

1.set dbms output on

2.set output on

3.set serveroutput on

Ans: 3

6.Difference between primary key and foreign key ?

1.primary key is only one and foreign key may be one or more

2.primary key is unique and foreign key can be duplicate

3.primary key can't null and foreign key can be null

Ans :1,2,3

7.Insert into catagory values(2, 'polo', 1200.99);

- 1) successfully inserted**
- 2) sql error**
- 3) syntax error of insert**
- 4) --**

Ans :3(after category we need colume name)

8.Truncated command can't be used with where clause .. ?

- 1.True**
- 2.False**

Ans : 1

9.Rio question-

- 1.discipline in execuion+pursuit of excellence+customer experience**
- 2.discipline in execution+pursuit of execellence+rigor**
- 3.discipline in execution+integrity+customer experience**

Ans:1

10.the role of production support engineer requires

- 1.only technical knowledge**
- 2.only domain knowledge required**
- 3.right combination of technical and interpersonnel skills**
- 4.only interpersonal skills**

Ans:3

11.rio stands for?

Ans:rigor in operations

12.name the pledge taken by support engineers to ensure they adhere to project discipline-

- 1.tcs pledge**
- 2.operations pledge**
- 3.account pledge**
- 4.project oath**

Ans:1

13.Students as a group associated with multiple faculty members and faculty members are associated with multiple students. The relationship?

- 1.one to one**
- 2.many to one**
- 3.many to many**
- 4.one to many**

Ans: 3

14.tick the correct one

- 1.foreign key can be null but primary key cannot be null**
- 2.unlike primary key foreign key contains duplicate value**
- 3.one primary key can have multiple foreign keys**

Ans:1,2,3

15.What are the various keywords used along with the ALTER statements?

- 1.ADD,DROP,SELECT,MODIFY**
- 2.DROP,RENAME,ADD,MODIFY**
- 3.DROP,DELETE,ADD,MODIFY**

Ans: 2

16.Which of the below option ensure that the value of COLUMN(named as budget) is non-negative?

- 1.alter(budget>=0)**
- 2.alter(budget<0)**
- 3.check(budget<0)**
- 4.check(budget>=0)**

Ans:4

17.dbms and rdbms are one and same

- 1.false**
- 2.true**

Ans:1

18.Rio is an initiative that is aimed at improving our production support operations

19.Celebrate 24th July as tcs operations day(available 24x7) and whole week is known as rio week to spread awareness about rio

KYT

1. Who's the founder of Tata group?

Ans: Jamsetji Tata

2. Which Characteristics of Big Data deals with Trustworthiness of data?

Ans: Veracity.

3. Which's India's first indigenously designed and manufactured car?

Ans: Tata Indica.

4. Some challenges in AI are?

Ans: all the above.

5. What was originally called the "imitation game" by its creator?

Ans: the Turing test.

6. 90% world's data is created in the last 2 years?

Ans: true.

7. In the 1990's which company did TATA Steel acquire?

Ans. Corus.

8. Business 4.0 operating model ensures ?

Ans. All the above.

9. How many independently operating companies are there under TATA group?

Ans. Over 100.

13. We use Natural Language Processing for reviewing Twitter Feeds.

Ans: true.

14. According to the study of IBM, approx how much data existed in the digital universe in 2012?

Ans. 2.7 zetabytes.

15. AI cannot be used in health care as this involves Doctors and patients.

Ans. False

16. The change of mind set is required from “Optimizing Scarce Resources” to Harnessing Abundance” will help in

Ans. Leveraging ecosystems.

17. Robots can be used for building houses.

Ans. True.

18. When did Tata Motors unveil Tata Nano?

Ans 2008

19. Business 4.0 brings sophistication to the

Ans. Demand supply.

20. Machine perception is the ability to use input from sensors to get information

Ans true.

21. Which among the following Key for IT managements based on the proper use of data?

Ans. Embedding security in every system.

22. TCS Machine First TM Delivery Model includes

Ans: all of them.

23. What is the change of mindset Business 4.0 is looking at when it comes to embracing risks?

Ans: embracing risks and adapt and transform continuously.

24. When Tata airlines, a division of Tata sons is established?

Ans. 1932

25. Who formalized the Code of Conduct?

Ans. Ratan tata.

26. The paradigm where a basic mobile friendly HTML page will be available and the Javascript code will add the functionality progressively to the Page.

Ans: Progressive enhancements.

27. Who formed the joint venture to open Starbucks cafes across India?

Ans: Tata Global Beverages and Starbucks.

28. The science and technology which deals with Automatic, computer driven machine which replaces Humans is called as

Ans. Robotics.

29. Tata group was founded in which year?

ans. 1868.

30. What are the 5 TCS values?

Ans. > leading change > integrity > respect for individual > excellence > learning and sharing

31. What are the 5 TATA values?

Ans. > Integrity > Unity > Responsibility > Pioneering > excellence

32. Which of the method is used by humans while making judgements?

Ans. Intuitive based.

33. For the organizations that aren't currently looking to do big data analytics there is a little or no benefit to examining the data they're retaining and evaluating how it's being used.

Ans. FALSE.

34. After the successful completion of a project, the client gifted a Diamond ring to the on site project manager. What should the manager do?

Ans. Inform the client about our company's gifts and hospitality policy and reject the gift.

35. Person who identified the Qualification problem in AI.

Ans John c mathey

36. Big data infrastructure can store video files as well.

Ans. True.

37. The field that investigates the mechanics of human intelligence is

Ans. Cognitive science

38 Artificial intelligence is the science and engineering of making intelligent machines

Ans. True

39.Popular approach of AI are

Ans. All of the above(traditional, computational, statistical)

40.what are the 4v's of big data

Ans.volume velocity veracity variety

41 Click Stream analytic is associated with which characteristic of big data?

Ans.velocity

42.Prime difference between public and private cloud is?

1.Software used

2.Hardware used

3.Deployment location

4.All

Ans:3

43.Some challenges in AI are

Ans:All of the above

44.We will be fair,honest,transparent and ethical in our conduct,everything we do must....Which of the five core values

1.Excellence

2.Integrity

3.Responsibility

4.Pioneering

Ans:2

45.When TCS established?

Ans:1968

46.mobile application can interact with GPS and camera of the device

Ans: True

47. Computer Algorithms which determines the category of observation based on previously seen examples is called as?

- 1.Classification**
- 2.Maturity Learning**
- 3.Numerical regression**
- 4.Linear Regression**

Ans: Classification

48.Which application takes Highest Maintenance cost?

- 1.Composite Application**
- 2.Native Application**
- 3.Web Application**
- 4.Hybrid Application**

Ans:Native Application

49.Drawback of Disctributed computing is?

- 1.Complexity Reduced**
- 2.Man Power cost increased**
- 3.None**
- 4.Cost of computing increased**

Ans:Cost of computing increased

50.How many hours of video are uploaded to youtube every minute?

- 1.10**
- 2.80**
- 3.50**
- 4.100**

Ans:100(it will be 300)

51.We will be fair,honest,transparent and ethical in our conduct;everything we do must stand the test of public scrutiny.The above code describes which of our five core values?

- 1.PIONEERING**
- 2.INTEGRITY**
- 3.RESPONSIBILITY**
- 4.EXCELLENCE**

Ans:2

ANSWERS KYT

1.Ans:2017

2.Ans:4

3.Ans: True

4.?Ans : 1

5.Ans : 3

6.Ans : 1

7.Ans : 3

8.Ans : Single phase

9.Ans: All of the above (No Hardware Procurement required, Space for hosting equipment is not required, low Cost for technicians who maintain Hardware, Security)

10.Ans:All of the above

?Traditional storage can cost lot of money to store big data.

?Lots of big data is unstructured.

?Big data analysis violates principles of privacy.

?It can be used for manipulation of customer records.

?It may increase social stratification.

?Big data analysis is not useful in short run. It needs to be analyzed for longer duration to leverage its benefits.

?Big data analysis results are misleading sometimes.

?Speedy updates in big data can mismatch real figures

11.Ans: Integrity , Leading change , Respect for individual , Excellence , learning and sharing.

12.Ans: Integrity

13.Ans : 1

14.Ans : 4

15.Ans : 2

16.Ans :1968

17.Which of following required high maintenance cost?

Ans :Native apps

18.Ans: 300(but not in option may be answer is 100)

19.Ans :2

20.Ans:True

21.Ans:Enterprise cloud

22.Ans:All of the above

23.Ans:native application

24.Ans:prohibited

25.Ans:Technology Partner

26.Ans: true

27.Ans:Software as a Service

1.Tcs had won the mega partner excellence award in ?

2.Some challenges in Artificial Intelligence ?

1.cost

2.common sense

3.Technology

4.All

3.Cloud computing provides virtual and storage adta. They can access our data or not ?

4.?What is difference between private and public cloud ?

1.Deployment location

2.Hardware

3.Software

4.All the above

5.which of the method is used by humans while making judgements ?

1.Program based

2.Step by step

3.Intuitive based

4.Conscious

6.The field that investigates in intelligence is

1.Cognitive science

2.History

3.Psychology

4.Sociology

7.What is minimum number of disks RAID ?

1.4

2.2

3.3

4.5

8.One power and one neutral wire is known as?

9.Advantages of cloud services are?

1.No Hardware Procurement required

2.Space for hosting equipment is not required

3.low Cost for technicians who maintain Hardware

4.All of the above

10.10.Drawbacks or disadvantages of Big Data?

1.Traditional storage can cost lot of money to store big data.

2.Lots of big data is unstructured.

3.Big data analysis violates principles of privacy.

4.All of the above

11.Tcs values are?

12.12.We will be fair ,honest, transparent and ethical in our conduct; everything we do must stand the test of public scrutiny ? this refers to which value ?

13.Mobile devices connect with GPS and camera of our phoneÖ ?

1.True

2.False

14.Some challenges in Artificial Intelligence ?

1.cost

2.common sense

3.Technology

4.All

15.Study of algorithms that automatically learn itself ?

1.Artificial Intelligent

2.Machine Learning

3.Deep Learning

16.When TCS was established?

17.Which of following required high maintenance cost?

18.Videos uploaded on YouTube every minute?

1.100

2.80

3.50

4.30

5.300

19.Drawback of distributed computing?

- 1.increased computing speed**
- 2.increased cost of man power**
- 3.none of above**

20.Robots can be used to build houses?

- 1.True**
- 2.False**

21.Which one is not one of the cloud based services-

- 1.Private cloud**
- 2.Enterprise cloud**
- 3.public cloud**
- 4.hybrid cloud**

22.Popular approaches of AI are

- 1.traditional symbolic AI**
- 2.Statistical Methods**
- 3.All of the above**
- 4.Computational intelligence**

23.which application is costly?

24.24.Sexual harassment is _____ in tcs?

- 1.prohibited**
- 2.discouraged**
- 3.frowned upon**

25.TCS had been recognised as a prominent _____ at the manufacturing leadership 100 awards for the fourth time?

- 1.Global partner**
- 2.Oracle integrated cloud partner**
- 3.Technology Partner**
- 4.Adobe System Integrator Partner**

26.90% world's data is created in the last 2 years?

UI

1. which statements are correct about <canvas> element in html5?

- 1. the <canvas> element is used to draw graphics, combine photos and create animation.**
- 2. by default the <canvas> element has 300px of width and 150px of height**
- 3. you must use javascript to actually draw the graphics.**

Ans: 1, 2, 3

2. open webpage in full body of the window

Ans: URL

3. correct way to print this output

First line

second line

third line

last line

**1. <p>first line
**

**<p>second line
**

2. same

3. <p>first line</p>

<p>second line</p>

4. <p>

first line

second line

third line

</p>

Ans: 1, 2, 3

4. correct syntax for text align

1. <style>

th{

text-align:left;

}

2. text-align:left_align;

3. textalign:left_align;

4. text align:left_align;

Ans: 1

5. which is incorrect about css selectors

1. to select id we can use .id

2. to select class we can use #class

3. to select all html elements on the page a "*" is used.

Ans: 1, 2

6. correct syntax for css inline style-

Ans: <tagname style="property:value;">

7. output of below javascript code?

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p id="demo"></p>
```

```
<script>
```

```
var x;
```

```
x+=5;
```

```
document.getElementById("demo").innerHTML=x;
```

```
</script>
```

```
</body>
```

```
</html>
```

1. error

2. 5

3. Undefined numerical result

4. 0

Ans: 3 (NaN)

8. which statements are correct about <pre> tag?

1. the <pre> tag is used to predefined text

2. text on a <pre> element is displayed in a fixed-width font.

3. <pre> tag preserves both spaces and line breaks

Ans: 1, 2, 3

9. The <noscript> tag can only be used inside <body> element in html5

1. true

2. false

Ans: 2

10.<!DOCTYPE html>

<html>

<body>

<p id="demo"></p>

<script>

var x=5;

document.getElementById("demo").innerHTML=(x=="5");

</script>

</body>

</html>

1.true

2.false

Ans:1