

1. Which type of ethernet framing is used for TCP/IP based networks?
2. Which is the layer, seven of OSI reference model?
3. Which protocol uses both TCP and UDP?
4. Which protocol uses three way handshake before establishing connection?
5. Which port number does HTTP use for communication?
6. Four processes arrive in the order P4, P2, P3, P1 at time, zero with burst times as shown in the table. What is the average waiting time if the processes follow the first come first serve scheduling algorithm? P1 – 13, P2 – seven, P3 – 21, P4–9.
7. A train 270 m long moving at 120 km/hr passes another train moving in the opposite direction at 80 km/h in nine seconds. What is the length of the train moving at 80 km/h?
8. In a group of 50, people, 20 are vegetarian. If two people are selected at random. What is the expected number of vegetarians?
9. An item is priced at 6650. A buyer received a 6% discount then is charged 10% tax. What is the amount paid?
10. Which component can be injected as a dependency in angular JS?
11. What is a bulk email?
12. Ambition is one of those – – – which are never satisfied
13. A class of 170 students, 115 like physics, 110 chemistry, and 130 like biology. 85, like physics and biology, 75 like physics and chemistry, 95 like chemistry and biology, and 70, like all three, how many students only like physics?
14. A, is the son of B's Sister. B and C are brothers. How is A related to C?
15. Yeah, earns more than B, but not as much as T. She earns more than A. who earns least?
16. Sheila ranks 13 in a class of 46. What will be her rank from the last?
17. A square is related to cube, as circle is related to –
18. The set FN contains all factors of N<sup>2</sup>. The said MN contains all multiples of N<sup>2</sup>+1<2000. Which of the statements is true?
19. A hiker walks 50 m north, turn left, and walks 30 m. The hiker turns left and walks for 50 m, then turns left and walks 50 m more. How far is the hiker from the starting point?
20. An insurer has 12,000 policyholders. Of the 12,000 people, 2000 people have 0.01 chance they will become infected with a virus, 4000 have a 0.03 chance and the remaining have 0.15 chance. If one person gets the virus, what is the chance they are part of the Group with a 0.03 chance of getting infected?
21. Choose the one that comes in the middle. Options are a:seeming B: seesaw C: seedling d: seemly
22. Which of the following code represents exit cleanly following a large clock skew(32768 milliseconds) event?
23. Choose the one that comes, first ? options are information, infinitive, infantry, informal.

24. What type of computing technology refers to services and applications that typically run on a distributed network through virtual resources?
25. Cloud computing is a kind of obstruction, which is based on the notion of combining physical resources and represents them as – – – resources to users.
26. Select from among the five alternatives, the word nearest in meaning to the word, given in capitals – extricate.
27. What is the output of the following program `int main() { float f=2.0; switch(f){case 1.0: printf("one"); break; case 2.0: printf("two"); break; default: printf("%f,f"); return 0;}`
28. Which of the following statements is/are true about threads?
29. Which one of the following cloud concepts is related to sharing and pooling the resources?
30. Which one of the following can be considered as a utility is a dream that dates from the beginning of the computing industry itself?
31. Which of the following is an essential concept related to cloud?
32. which one of the following is cloud platform by Amazon?
33. `Int[] scores = {1,3,8,3,5,6,2,4}` which code returns the largest three numbers from the scores array?
34. Your company has a lot of content that needs to be delivered to its customers, both internal and external. Which of the following AWS service can be used to store, manage and distribute content? A. Amazon S3. B. Amazon SQS. C. Amazon cloud front. D. Amazon codeartifact.
35. You need to launch a new web application and want to easily manage and scale the underlying infrastructure. Which of the following AWS services would you use? A. Amazon iot. B. Amazon EC2 C. Amazon elastic bean stack. D.AWS Lambda
36. Which of the following is a JavaScript compressor?
37. Which of these can be successfully tested using loop testing methodology?
38. Angular JS expressions are written using
39. Where is captured values are populated regarding route parameters?
40. Write Class for files?
41. If a=1, B=3, C=5, what do the numbers 3, 9, 7 stand for?
42. A collection and a document in Mongo DB is equal to which of the SQL concepts, respectively?
43. Mongostat tool is similar to the unix/Linux – —utility
44. Node.js is – ———by default
45. The – – – – methods, a document that includes the metrics field.
46. December 8, 2007 was a Saturday. What day of the week was December 8, 2006?
47. An alternative to JavaScript on Windows platform is – – –
48. Indexes is typically available in – – – – or located sequentially on disk.
49. With the wired tiger storage, engine use of – – – – – is strongly recommended to avoid performance issues

50. Sun, earth, mars
51. What type of computing technology refers to services and applications that typically run on distributed network through virtualised resources?
52. Different compilers and host behaviours affect how a C programme can execute. The following program was compiled with GCC and executed in a Linux host. What happens when the following program is executed? 

```
Int main(void) {char *s=" hello world"; *s='H';}
```
53. Select from among the five alternatives, the word, most opposite in meaning of the word, given in capitals – aware
54. 

```
Struct s {int l, float f;};
```

 which of the following expressions is true?