

Sample Paper on GSAT with Solutions: -

1. If it costs x dollars for making certain item if quantity is 1000 and if quantity increase then the item is made using y dollars. If z number of items are made which are greater than 1000 then what is the total cost.

Ans. $1000(x-y) + yz$

2. series is given such as 2,7,6,-,12,-,20,49,—- ?

Ans. 71(sure) break into 2 series

3. Problem on average ages given age of captain 25 and wicket keeper's Age 3 years more than captains age. Now the average of the remaining team is one less than the average of whole team. what is the average age of each.

Ans. 22

4. If m people take d days to complete, then $m+r$ people take how many days?

Ans) $m*d/m+r$

5. A is 10 km from B and C is 17 km from B. then which option is true.....

a)A is in between B and C.

b)B is in between A and C

c)C is in between A and B

d)a and b

Ans. d

Situation-- Now one situation was given and over that 4 questions were asked(these were very simple don't miss to attempt)Big university and small colleges decided to make committees for inspection. Each 3 member committee have 2 from university and one from small college.

in each committee no two members belong to same subject... Now conditions : for university:

M–Maths teachers

L-English

K–Natural Science.

For small college :

N–maths

H–Hindi

O&P–English

Based on this situation 2 questions are asked.

6. If L not survey then what are the possibilities of 3 member team

a)L,N,H

b) M,K,P

c)K,M,N

d) none of the above.

Ans. b

7. If M surveys what other two members will be:

a)L,K

b)L,N

c)K,O

d) none of the above

Ans. c (as K and O belongs to other subjects.)

8. A and B are two stations 330km apart. A train starts from A at 8pm. and travels toward B at 60kmph. Another train starts from B at 9pm. And travels towards A at 75 kmph.at what time do they meet?

(a) 11am (b) 12pm (c) 11.30am (d) 11.45am

Ans. a

9. if $(BE)^2 = MPB$ and the letters B,E,P and M stands for distinct digits,then M equals

(a) 1 (b) 6 (c) 3 (d) 9 (e) 5

Ans. c

10. Problem on average ages given age of captain 25 and wicket keeper's Age 3 years more than captain's age. now the average of the remaining team is one less than the avg of whole team. what is the avg age of each.

Ans. 22

11. Out of the following which supports error checking and error correction in data link layer?

a)802.2 LLC

b)802.3 CSMA/CD

c)802.4 Token Bus

d)802.5 Token Ring

Ans. a

12. which of the following is not CDMA technology

a)DS-FH (Discrete spectrum-freq hopping)

b)DS_FT

C)DS-

d)TDMA-FS.

Ans. d

13. what is the advantage of ADSL(assymetric digital subscriber line) over modem?

Ans. it has normal uplink band width but higher down link bandwidth (something like that).

14. Advantages of digital over analog signal:

a)noise immunity

b)data security and integrety

c)efficient transmission

d)all of the above

Ans. d

15. Why channel coding is done?

- a) to secure data
- b) to maintain integrity of data
- c) effective transmission of data
- d) all of above

Ans. c

16. main()

```
{  
  unsigned char i=0x80;  
  printf("i=%d",i<<1);  
}
```

Ans. 256

17. #define Sqr(b) b*b;

```
main( )  
{  
  int i=3;  
  printf("%d",SQR(i+2));  
}
```

Ans. 11

18. Func(int a, int b)

```
{  
  int a;
```

```
a=10;
return a;
}
```

will there be any error and some other options are there.

Ans. No error.

```
19. int i=5,*j;
Void *k;
K=j=&i;
Printf("%d",k+1);
```

Ans. Compilation error (but its running on gnu) bec arithmetic operations not allowed in void pointer.

```
20. class abc
{
static int i;
Int a;
};
abc ob;
cout<<sizeof(ob)
```

Ans. 8

```
21. main(){.printf("%s",printf("Samsung")+fun());}
fun()
```

```
{  
return "electronic";//not remember exactly  
}
```

Ans. Samsung IC

22. struct abc

```
{  
};  
Struct abc arr[10];  
Struct abc *p=arr;
```

Which will be increment the pointer to point the next array element?

Ans. $p=p+\text{sizeof}(abc)$

23. On Switch on the Computer Which Loader Come in Action First.

Ans: Boot Strap Loader

24. How Many No. of Node Will Make a Complete Binary Tree.

Ans: 15

25. hich languages necessarily need heap allocation in the runtime environment?

- (A) Those that support recursion
- (B) Those that use dynamic scoping
- (C) Those that allow dynamic data structures
- (D) Those that use global variables

Ans. C

26. How many times printf will be executed

```
main()
{
for(int i=-1;i<=10;i++)
{
if( i==5)
continue;
else
break;
printf("samsung");
}
}
```

Ans. 0 times

27. What is the advantage of ADSL (asymmetric digital subscriber line) over modem

Ans. It has normal uplink bandwidth but higher down link bandwidth (something like that).

28. Advantages of digital over analog signal:

- a) noise immunity
- b) data security and integrity
- c) efficient transmission
- d) all of the above

Ans. d

29. Determine network ID of classful IP address 192.42.14.1

- a)192
- b)192.42
- c)192.42.14
- d)192.42.14.1

Ans. c (class c)

30. If length of rectangle of increases by 20% and breadth decreases by 20%. Then the area

- a) decreases by 4%
- b)---
- c) same
- d) none

Ans. a

31. network equipment's make hierarchy in which topology

- a) bus
- b)star
- c) ring
- d) tree

Ans. Tree

32. A girl is at 11th position from both the ends of a straight row. Then total no. girls in a row are

Ans. 21

33. Asoka is as much young as Vimal and as much old as Arun. Given sum of Vimal and Arun ages to be 40. then Ashoka age is —

Ans. 20.

34. Find out no. of 8,s preceded by 5 but not just followed by 3 in the series:

2158367983856787325839076

Ans. 4

35. Some salary problem. $\frac{1}{4}$ th of salary for rent, $\frac{1}{5}$ th of salary for transport remaining deposit. he deposited Rs50/- then monthly salary ???

Ans. 1000/- check..

36. Some diagrams were given see gre barron book find shaded area one square was given in that one 4 circles inserted. find the area left by circles in the square?

Ans. $16(4-\pi)$...

37. What will be the output?

```
int i=512;
char *c=(char *)&i;
C[0]=1;
Printf("%d",i);
```

Ans. 513

38. What is output?

```
char *a="hello\0world\0!!";
Printf("%d",strlen(a));
a=a+6;
Printf("%d",strlen(a));
a=a+7;
Printf("%d",strlen(a));
```

Ans. 5 5 1

39. main()

```
{  
char *p;  
printf(“%d %d “,sizeof(*p),sizeof(p));  
}
```

Ans. 14

40. What is the output?

```
main()  
{  
i=2;  
printf(“I=%d i=%d”,++i,++i)  
}
```

Ans. vary compiler to compiler

To get more details visit- blog.oureducation.in .

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