ENGLISH COMPREHENSION: Sample Questions

All questions are Multiple-Choice-Questions with only one option as the correct answer.

In the following question select the word which is OPPOSITE in the meaning of the given word.

Q1. INDISCREET

a. reliable
b. honest
c. prudent
d. stupid

Q2. SOLICITUDE

a. insouciance
b. ingenuity
c. propriety
d. austerity

Q3. In the sentence there is a bold word or phrase. One of the words or phrases given in the options conveys almost the same meaning as the bold word or phrase in the sentence. Select that option which is nearest in meaning.

It is **preposterous** on your part to look for a job without first completing your education.

a. Wise
b. Imperative
c. Advisable
d. Most admirable
e. Very absurd

In the following questiones, fill in the blank space.

Q4. The success that he has gained, though striking enough, does not, however, commensurate . . . . the efforts made by him.

a. About
b. From
c. With
d. Beside
e. Over
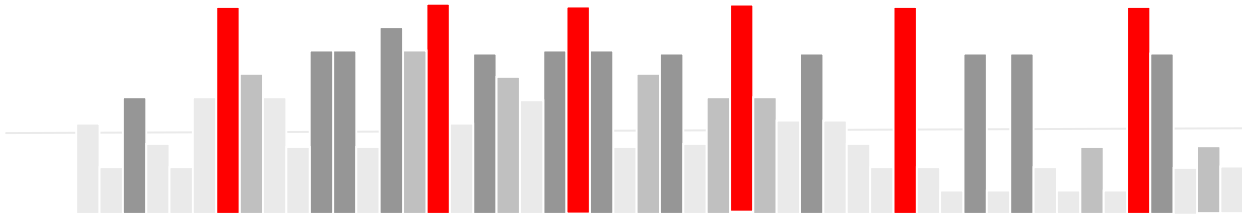
Q5. Vinod took his meals after he . . . .

a. Had completed his work
b. Had been completing his work
c. Was completing his work
d. Had been completed his work
e. Had got completed his work

In the following questions, select the word or phrase that is similar in meaning to the given word.

Q6. Nonchalance

a. Neutrality

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b. Indifference
c. All-knowing
d. Ignorance
e. Untimeliness

Q7. Conceal

a. Hide
b. Seal
c. Ceiling
d. Horrifying

Q8. Read the sentence to find out whether there is any grammatical error in it. The error, if any, will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'D'. (Ignore - the errors of punctuation,if any)

(A) The whole thing moves/ (B) around the concept of building a small dynamic/(C) organisation into a larger one./(D) No error.

a. (A)
b. (B)
c. (C)
d. (D)

Q9. In the question a part of the sentence is italicised. Alternatives to the italicised part is given which may improve the sentence. Choose the correct alternative. In case no improvement is needed. Option 'D' is the answer.

She *gave* most of her time to music.

a. spent
b. lent
c. devoted
d. No improvement

Q10. The given sentences when properly sequenced, form a coherent paragraph. Each sentence is labelled with a number. Choose the most logical order of sentences from among the four given choices to construct a coherent paragraph.

1. He was so busy with them that he did not get time to eat. 2. Thousands of people came to him and asked different types of questions. 3. No one cared to see that he had his food or rest that night. 4. Swami Vivekanand once stayed in a small village.
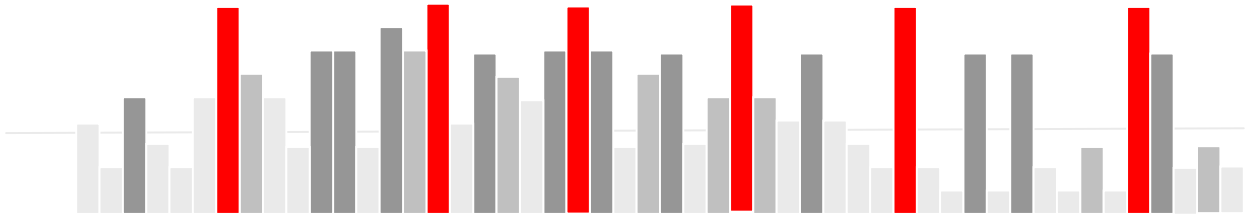
a. 2341
b. 3214
c. 4213
d. 4231

Answer the question based on the given passage

Management is a set of processes that can keep a complicated system of people and technology running smoothly. The most important aspects of management include planning, budgeting, organising, staffing, controlling, and problem-solving. Leadership is a set of processes that creates organisations in the first place or adapts them to significantly changing circumstances. Leadership defines what the future should look like, aligns people with that vision, and inspires them to make it happen despite the obstacles. This distinction is absolutely crucial for our purposes here: Successful
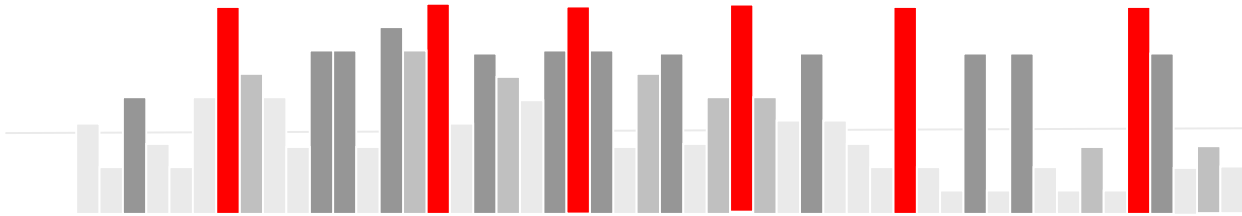
transformation is 70 to 90 per cent leadership and only 10 to 30 percent management. Yet for historical reasons, many organisations today don't have much leadership. And almost everyone thinks about the problem here as one of managing change. For most of this country, as we created thousands and thousands of large organisations for the first time in human history, we didn't have enough good managers to keep all those bureaucracies functioning. So many companies and universities developed management programs and hundreds and thousands of people were encouraged to learn management on the job. And they did. But, people were taught little about leadership. To some degree, management was emphasised because it's easier to teach than leadership. But even more so, management was the main item on the twentieth-century agenda because that's what was needed. For every entrepreneur or business builder who was a leader, we needed hundreds of managers to run their ever-growing enterprises. Unfortunately for us today, this emphasis on management has often been institutionalised in corporate cultures that discourage employees from learning how to lead. Ironically, past success is usually the key ingredient in producing this outcome. The syndrome, as I have observed it on many occasions, goes like this: success creates some degree of marked dominance which in turn produces much growth. After a while keeping the ever-larger organisation under control becomes the primary challenge. So attention turns inward and managerial competencies are nurtured. With a strong emphasis on management but not leadership, bureaucracy and an inward focus takeover. But with continued success, the result mostly of market dominance, the problem often goes unaddressed and an unhealthy arrogance begins to evolve. All of these characteristics then make any transformation effort much more difficult. Arrogant managers can over-evaluate their current performance and competitive position, listen poorly and learn slowly. Inwardly focused employees can have difficulty seeing the very forces that present threats and opportunities. Bureaucratic cultures can smother those who want to respond to shifting conditions. And the lack of leadership leaves no force inside these organisations to break out of the morass.

LOGICAL ABILITY: Sample Questions

All questions are Multiple-Choice-Questions with only one option as the correct answer.

Q1. The question shows a pair of words in which the first is related to the second in some way. It is followed by a single word which bears a similar relation to one of the given alternatives. Find the correct alternative to complete the analogy.

Melt:Liquid::Freeze: ?

a. Ice
b. Condense
c. Solid
d. Crystal

Q2. Fill in the blank Guilt is to Past as Hope is to ……

a. Present
b. Future
c. Today
d. Despair
e. Hopeless

Q3. From the given choices select the odd man out:

a. Bird
b. Kite
c. Crow
d. Pigeon
e. Sparrow

Q4. Find the missing pattern

BOQD : ERTG :: ANPC : ?

a. DQSF
b. FSHU
c. SHFU
d. DSQF

Q5. Find the missing number

5 : 24 :: 8 : ?

a. 65
b. 63
c. 62
d. 64

Q6. From the given choices select the odd man out

a. DFHEG
b. TWXUV
c. OQSPR
d. JLNKM

Q7. If HARD is coded as 1357 and SOFT is coded as 2468, what will 21448 stand for?

a. SHAFT
b. SHORT
c. SHOOT
d. SHART

Q8. Find the next number in the series

1, 6, 13, 22, 33, ...

a. 44
b. 45
c. 46
d. 47

Q9. The question contains some statements followed by some conclusions. Decide which of the given conclusions logically follow from the given statements, disregarding commonly known facts.

Statements:
I) All tomatoes are red.
II) All grapes are tomatoes.
Conclusions:
I) All grapes are red.
II) Some Tomatoes are grapes.

a. Only conclusion I follows.
b. Only conclusion II follows.
c. Neither I nor II follows
d. Both I and II follow.
e. Either I or II follows

Q9. Old woman's son is my daughter's uncle, then what relation has the old woman to me ?

a. Sister
b. Mother
c. Grandmother
d. Mother - in - law

Q10. Ramu was facing East.He walked 4 km forward and then after turning to his
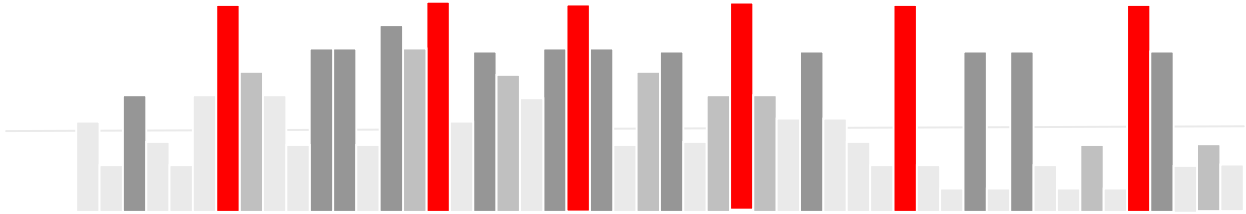
right walked 6 km. Again he turned to his right and walked 7 km. After this he turned back.Which direction was he facing at the time?

a. East
b. North
c. South
d. West
e. North-East
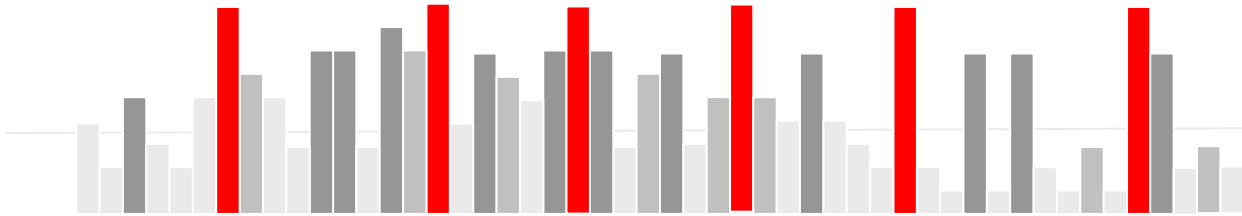
COMPUTER PROGRAMMING PRINCIPLES AND APPLICATIONS: Sample Questions

All questions are Multiple-Choice-Questions with only one option as the correct answer.

Q1. A 8-bit signed integer has the following range:

a. 0 to 255
b. -128 to 127
c. -255 to 254
d. 0 to 509

Q2. What will be the output of the following code statements?

```
integer x = 34.54, y = 20, z = -5
print ( y > 50 AND z > 10 or x > 30 )
```

a. 0
b. 1
c. -1
d. 10

Q3. Pankaj makes a program to print the product of cubes of the first 10 whole numbers. She writes the following program:

```
integer x = 0 // statement 1
integer sum = 0 // statement 2
while ( x < 10 ) // statement 3
{
  sum = x*x*x // statement 4
  x = x + 1 // statement 5
}
print sum // statement 6
```

Is her program correct? If not, which statement will you modify to correct it?

a. No error, the program is correct.
b. Statement 1
c. Statement 4
d. statement 6

Q4. I have a problem to solve which takes as input a number n. The problem has a property that given the solution for (n-1), I can easily solve the problem for n. Which programming technique will I use to solve such a problem?
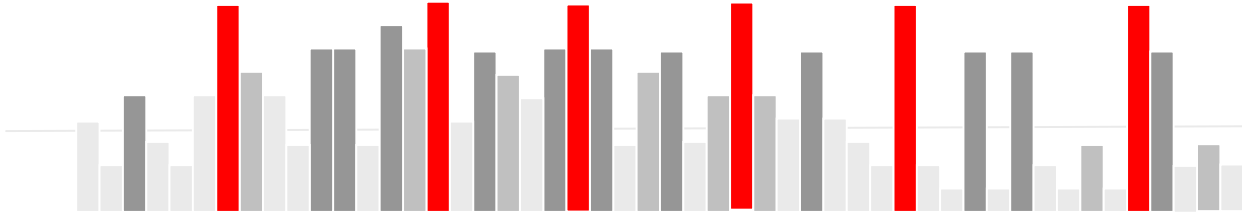
a. Iteration
b. Decision-making
c. Object Oriented Programming
d. Recursion

Q5. Given:

integer x = 40, y = 35, z = 20, w = 10

Comment about the output of the following two statements:

print x * y / z - w
print x * y / (z - w)

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a. Differ by 80
b. Same
c. Differ by 50
d. Differ by 160

Q6. Data and function in which area of a class are directly accessible outside the class?

a. Public
b. Private
c. Protected
d. None of these

Q7. Here is an infix notation: ((A+B)*C-(D-E))^(F+G) Choose the correct postfix notation of the above from the given options.

a. AB+CD*E--FG+^
b. AB+C*DE--FG+^
c. AB+C*DE-FG-+^
d. A+BC*DE-FG-+^

Q8. If the depth of a tree is 3 levels, then what is the size of the Tree?

a. 2
b. 4
c. 6
d. 8

Q9. One of the following options is a form of access used to add and remove nodes from a queue.

a. LIFO
b. FIFO
c. Both LIFO and FIFO
d. None of these

Q10. What is the time complexity of adding three matrices of size NXN cell-by-cell?

a. O(N)
b. O(N^2)
c. O(N^3)
d. None of these
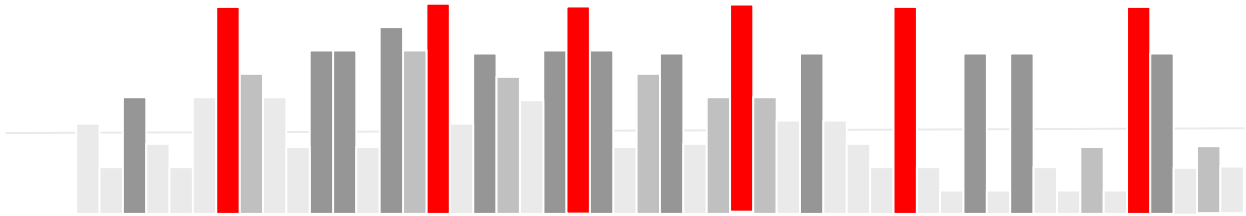
QUANTITATIVE ABILITY: Sample Questions

All questions are Multiple-Choice-Questions with only one option as the correct answer.

Q1. In a kilometre race, if A gives B a 40 m start, A wins by 19 s. But if A gives B a 30 s start, B wins by 40 m. Find the time taken by B to run 5,000 m?

a. 150 s
b. 450 s
c. 750 s
d. 825 s

Q2. Pipe A takes 16 min to fill a tank. Pipes B and C, whose cross-sectional circumferences are in the ratio 2:3, fill another tank twice as big as the first. If A has a cross-sectional circumference that is one-third of C, how long will it take for B and C to fill the second tank? (Assume the rate at which water flows through a unit cross-sectional area is same for all the three pipes.)

a. 66/13
b. 40/13
c. 16/13
d. 32/13

Q3. Three consecutive whole numbers are such that the square of the middle number is greater than the product of the other two by 1. Find the middle number.

a. 6
b. 18
c. 12
d. All of these

Q4. The arithmetic mean of 2 numbers is 34 and their geometric mean is 16. One of the numbers will be

a. 4
b. 16
c. 18
d. 12

Q5. If x% of a is the same as y% of b, then z% of b is :
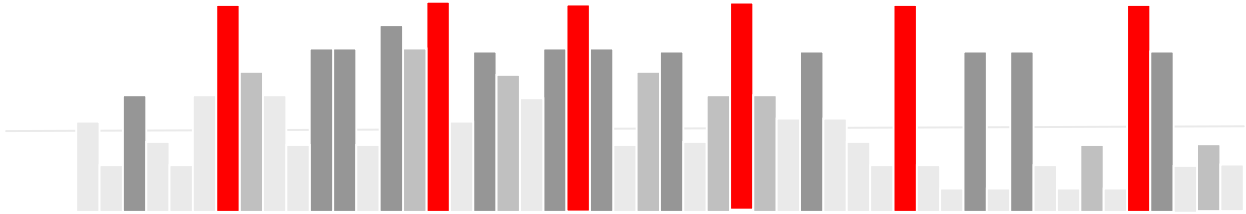
a. (xy/z)% of a
b. (yz/x)% of a
c. (xz/y)% of a
d. None of these

Q6. The letters of the word WOMAN are written in all possible orders and these words are written out as in a dictionary ,then the rank of the word 'WOMAN' is

a. 117
b. 120
c. 118
d. 119

Q7. What least number must be subtracted from 9400 to get a number exactly divisible by 65?

a. 40
b. 20
c. 80

d. none of these

Q8. If 2505 / 0.5 = 5010 then 25.05 / 0.5 = ?

a. 5.010
b. 50.10
c. 501.0
d. None of these

Q9. Which pair of rational numbers lie between 1/5 and 2/5 -

a. 262/1000, 275/1000
b. 362/1000, 562/1000
c. 451/1000, 552/1000
d. 121/1000,131/1000

Q10. What is the value of the following expression: $2 \log_{10} 5 + \log_{10} 4$?
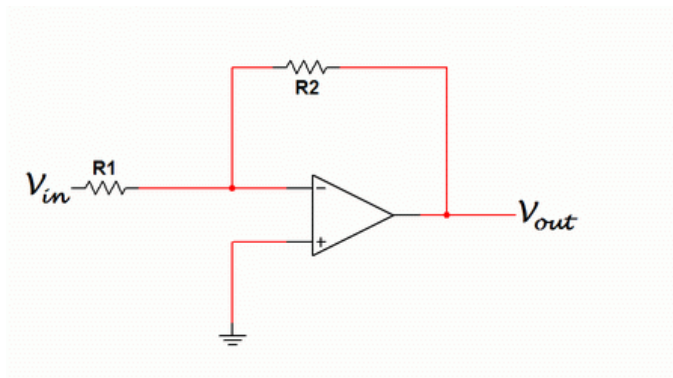
a. 2
b. 2.5
c. 3
d. None of these

Q11. If x increases linearly, how will a^{-x} behave (a>1) ?

a. Increase linearly
b. Decrease linearly
c. Increase exponentially
d. Decrease exponentially

Q12. What is the probability of getting the sum 5 in two throws of the dice?

a. 1/12
b. 1/5
c. 1/9
d. None of these
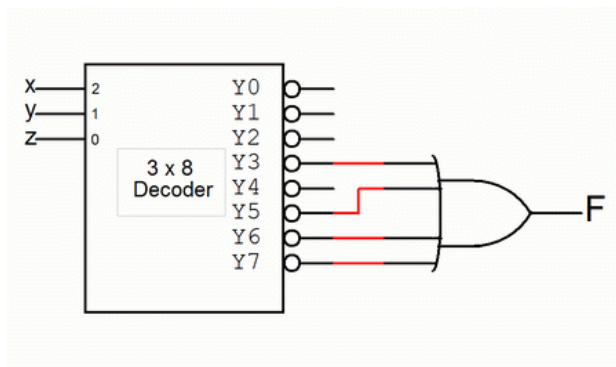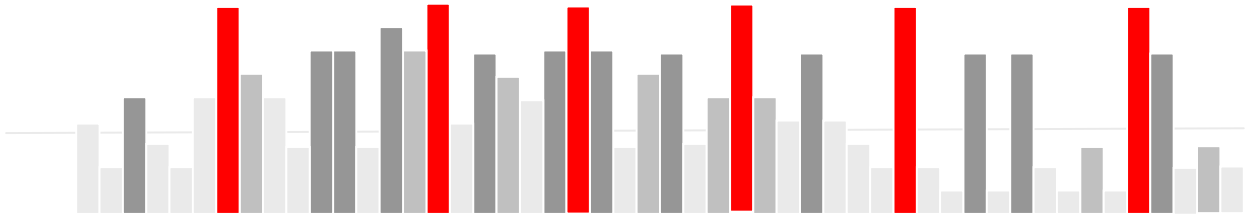
Q 1. The input resistance of the inverter shown below is

a. R_1
b. $R_1 + R_2$
c. $R_1 \| R_2$
d. R_2

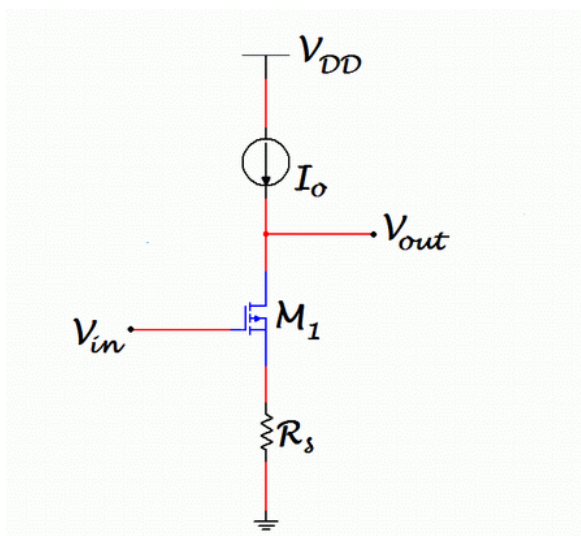Q 2. Find the equivalent capacitance of the system shown in the figure between points a and b.
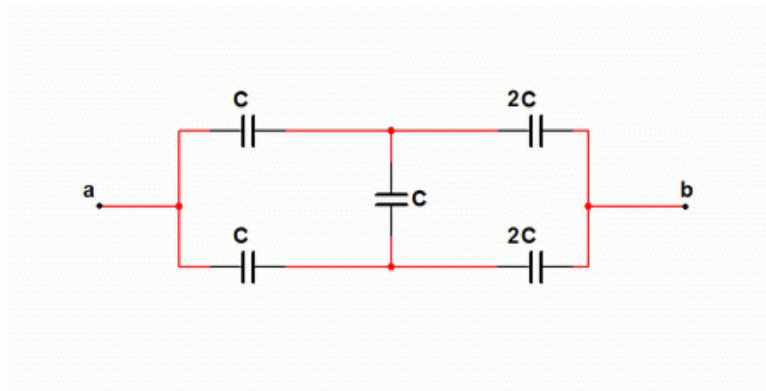
a. 2C
b. 2C/3
c. 4C/3
d. C

Q 3. The Boolean function F is given by –

a. xyz + xy' + xz'
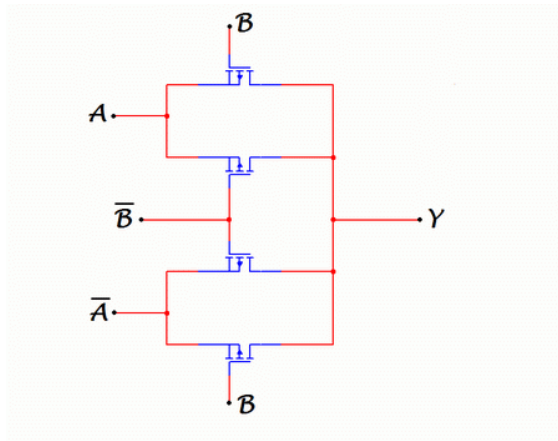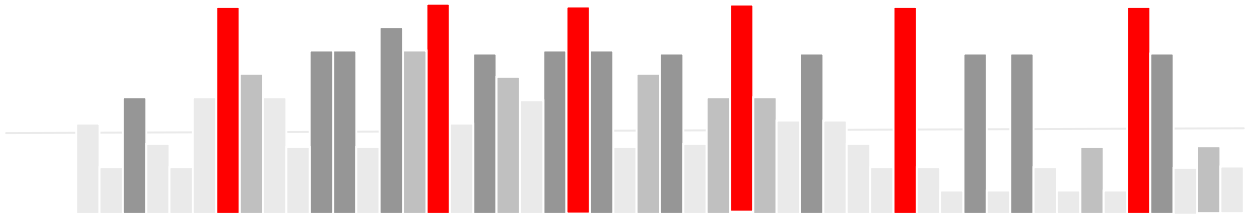b. xy + yz + xz
c. yz + xy' + xz'
d. xyz + xy' + x'z

Q 4 The small signal gain of the circuit shown is given by:

a. $-g_m r_o$
b. $-g_m r_o/(1 + g_m R_s)$
c. $-g_m(r_o \| R_s)$
d. $-g_m r_o/(R_s + r_o + g_m r_o R_s)$

Q 5. Which logic function is realized by the given circuit.

a. NOR
b. XOR
c. XNOR
d. None of these