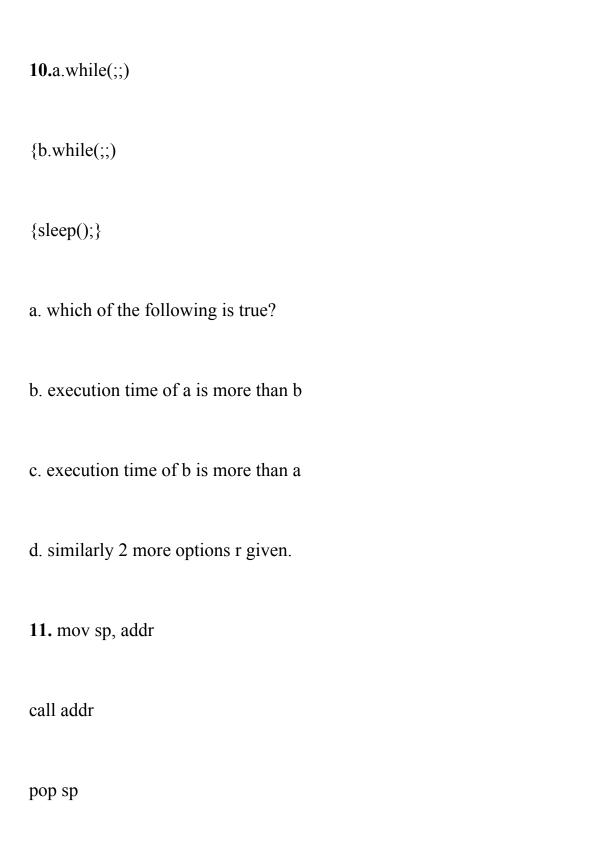
1. Which of the following no. can be represented w/o any error using IEEE format (64 bits-1 bit sign bit, exponent 7,mantissa 56)
a)2 b).4 c).5 d) none
2. CRC polynomial is given. Message is given. Find the message to be transmitted.
3. what r the gates used in half adder.
4. Simplify a Boolean equation (Karnaugh map is used to solve)
5. which of the devices can be used as latch?
a.JK F/F
b.SR latch
c.Data F/F
d.T F/F.

6. the probability of the message coming out of a source is $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, what is the
information content in the message?
a.6/5
b.7/4
c.1
d. none
7. How many page faults r required for swapping given pages using LRU algo. For
a frame size of 3.
8. The time of exec. Of 4 processes P1-P4 r given using Round robin(1 sec) method
find the time taken for P4 to finish?
9. main()
{fork();fork();fork()}
How many processes are created?



what is the value stored in sp and hl

12. Y catches 5 times more fishes than X. If total number of fishes caught by X and Y is 48, then number of fishes caught by X?

Ans: 8

13. Y catches 5 times more fishes than X. If total number of fishes caught by X and Y is 42, then number of fishes caught by X?

Ans: 7

14. If a train covers 600m in 0.5 seconds, how long it will cover in 10 seconds?

Ans: 3000m = 3km

15. The girl's age is twice that of boy, if the boy is four years old. After four years the age

of the girl is

Ans: 12 years

16. Sister's age is twice than that of the brother. If the brother's age is six, what is the sister's age after two years?
Ans: 14 Yrs.
17. Two lemons cost 10 cents. Then one and a half dozen cost
Ans: 90 cents
18. A clock is late by 1 minute 27 seconds in a month. Then how much will it be late in 1 day?
Ans: 2.9 seconds
19. Which of the following figures together will make a triangle?
Ans: a,b,c,d
20 Make a square by drawing only one line

Ans: line 2-5, square 2-3-4-5-2
21. Which of the following is the odd one? crew, constellation, companion, league, participants.
Ans: companion
22. Opposite of Remote?
(a) Far (b) Near (c) Huge (d) Village
23. Statement A: All great men are ridiculous;
Statement B: I am ridiculous ;
Inference : I am a great man;
(a) True (b) False (c) Not clear
24. Statement: Normal children are active;

Inference: All children are active;
(a) True (b) False (c) Uncertain
25. Next number in the series 1, 1/2, 1/4, 1/8 ?
Ans: 1/16
26. In 6 seconds a light flashes once. In one hour how many times it will flash?
Ans: 601 times
27. At 20% discount, a cycle is sold at a selling price of 2500 Rs. What is the actual price?
Ans: Rs. 3125
28. Statement A: A & B have same age;
Statement B: B is younger than C;

Inference : A is younger than C;
(a) True (b) False (c) Uncertain
29. All chickens lay eggs (True/False)
Ans: False
30. A invests \$12000, B invests \$8000, C invests \$6000 and they got a profit of \$1200. How much share A got more than B and C?
Ans: 2/13 and 3/13