Important AMCAT questions

1.The price of an item changed from 120$ to $100. Then later decreased from $100 to $80. which of the two differences was larger in percentage term ?

Ans: 2nd decrease is larger

2. 10% of the inhabitants of a village dies out of cholera, a panic set in during which 25% of the remaining left the village. The population is reduced to 4050. find total number of original inhabitants?

Ans: 6000

3 .The population of a town is 176400. If it increases at a rate of 5% per annum , what will be the population in 2 years ?

Ans: Population after 2 yrs = 194481

  Population 2 yrs ago = 160000

4. A and B together have rs.1210. if 4/15 of A's amount is equal to 2/5 of B's amount, how much amount does b have ?

Ans: Rs 484

5. If a manafacturer gains 10%, the whole sale dealer gains 15% and retailer 25% , then find the cost of production of a table whose retail price is rs.1265?

Ans: 800

6. What is the reflex angle between the hands of a clock at 10:25?

Ans: 197 1/2

7. How many times of the day the hands of a clock are straight ?

Ans: 44 (or) Ans:22(if its in a straight line but in opposite dirn)

8. The speed of a boat in still water is 15km/h and the rate of current is 3km/h . what is the distance travelled downstream in 10 minutes ?

Ans: 3 Km

9. What will be the ratio of simple interest earned by a certain amount at the same rate of interest for 6 years and for 9 years also ?

Ans: 2:3

10. A,B,C started a business by investing Rs. 120000, Rs. 135000, and Rs. 150000. find the share of each out of an annual profit of Rs.56700 ?

Ans: 16800,18900,21000

11. An observer 1.6m taLL IS 20 ROOT 3 m away frtom a tower. the angle of elevation from his eye to the top of the tower is 30 degrees. What is the height of the tower ?

Ans: 21.6m

12. Chose the word which is different from the rest : curd, **oil**, butter , milk, cheese , cream?

13. 3 different comprehensions.

14. What is the opposite of the word "INNOCENT" ?

Ans:GUILTY, CUNNING,IMPURE

15. Meaning of the word "nonchalance" ?

16. Meaning of the word "conceal" ?

Ans: Hidden

17. 4 to 5 questions on finding grammatical errors in certain parts of a sentence.

18. what is the probability of getting the sum 5 in two throws of a dice ?

Ans: 1/9

19. select odd ones out?

20. select the missing numbers ?

21. melt : liquid :: freeze : **solid**?

22. If HARD is coded as 1357 , SOFT Is coded as 2468 , what is 21448 ?

Ans: SHOOT

23. 3 to 4 questions on syllogisms.

24. 2 questions on logical deduction ?

25. find the next number in the series : 1,6, 13,22,33.....?

Ans: 46

26. old womens son is my daughters uncle, then what is the relation the old women has to me ?

Ans: Mother

27. questions on courses of action .

28. If 2505/0.5 is 5010 then what is 25.05/0.5?

29. What is values of 2log 5 + log 4? (to the base 10)

30. Ramu was facing east . he walked 4km forward , and then after turning towards the right he walked 6km , again he turned to his right and walked 7 km , and then turned back. Which direction is he now facing ?

Ans:East

31. What is range of a 8 bit signed integer ?

Ans: -128 to 127

32. If the depth of the tree is 3 levesl , what is height of the tree ?

Ans: 8

33. What is the time complexity of adding 3 matrices of N*N size ?

Ans: O(N^2)

34. 10 to 12 snippets on C , C++ ?

35. What makes JAVA portable ? : interpretation , compilation , assembly or machine level language code ?