

AFCAT – 1/2020

DAY – 6

- 1) A worker may claim Rs 1.5 for each km which he travels by taxi and 50 paise for each km he drives his own car. If in one week he claimed Rs 50 for travelling 80km, how many kms did he travel by taxi?
- 20km
 - 14km
 - 12km
 - 10km
- 2) In an examination, a student was asked to find $\frac{3}{14}$ of a certain number. By mistake, he found $\frac{3}{4}$ of it. His answer was 150 more than the correct answer. Find the number.
- 180
 - 280
 - 380
 - 480
- 3) An amount of Rs 735 was divided between A, B and C. If each of them had received Rs 25 less, their shares would have been in the ratio of 1:3:2. The money received by C was
- Rs 195
 - Rs 200
 - Rs 225
 - Rs 245
- 4) 20 litres of a mixture contains milk and water in the ratio 5:3. If 4 litres of the mixture is replaced by 4 litres of milk, the ratio of milk to water in the new mixture would be
- 2:1
 - 7:3
 - 8:3
 - 4:3
- 5) A crate of mangoes contains one bruised mango for every 30 mangoes in the crate. If 3 out of every 4 bruised mangoes are considered unsalable, and there are 12 unsalable mangoes in the crate, how many mangoes are there in the crate?
- 480
 - 500
 - 420
 - 520
- 6) Three electronic drives make beep after every 48seconds, 72seconds and 108seconds respectively. The beeped together at 10AM. The time when they will next make a beep together at the earliest is
- 10:07:12 hours
 - 10:07:24 hours
 - 10:07:36 hours
 - 10:07:48 hours

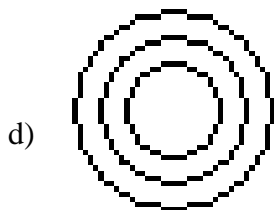
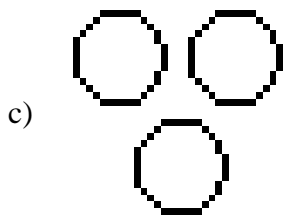
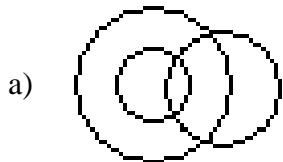


- 7) Two pipes of length 1.5m and 1.2m are to be cut into equal pieces without leaving any extra length of pipes. The greatest length of the pipe pieces of same size which can be cut from these two lengths will be
- 0.13m
 - 0.4m
 - 0.3m
 - 0.41m
- 8) The average of marks of 14 students was calculated as 71. But it was later found that the marks of one student had been wrongly entered as 42 instead of 56 and of another as 74 instead of 32. The correct average is
- 67
 - 68
 - 69
 - 71
- 9) 8% of the voters in an election did not cast their votes. In this election, there were only two candidates. The winner by obtaining 48% of the total votes defeated his contestant by 1100 votes. The total number of voters in the election was
- 21000
 - 23500
 - 22000
 - 27500
- 10) A house and a shop were sold for Rs 1 lakh each. In this transaction, the house sale resulted into 20% loss whereas the shop sale into 20% profit. The entire transaction resulted in
- No loss no gain
 - Gain of Rs $\frac{1}{24}$ lakh
 - loss of Rs $\frac{1}{12}$ lakh
 - Loss of Rs $\frac{1}{18}$ lakh
- 11) Sulphur dioxide bleaches colouring matter by
- Decomposition
 - Oxidation
 - Reduction
 - Dehydration
- 12) Which one of the following does chambered heart occurs in
- Leech
 - Earthworm
 - Snail
 - Cockroach
- 13) The process by which milk is converted into curd is called as
- Pasteurisation
 - Vernalisation
 - Fermentation
 - Retting
- 14) The speed of light in vacuum depends on which one of the followings
- Depends on its wavelength
 - Depends on its frequency
 - Depends on its intensity
 - Neither depend on its wavelength, frequency nor intensity
- 15) Which one of the following is not electromagnetic in nature?
- Cathode rays
 - X-rays

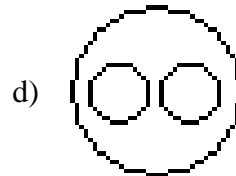
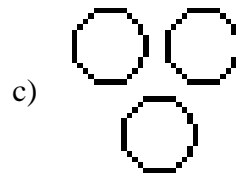
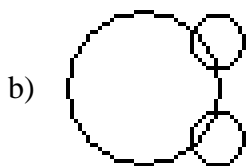
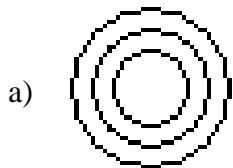


- c) Gamma rays
- d) Infrared rays

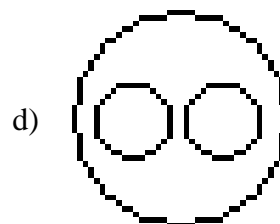
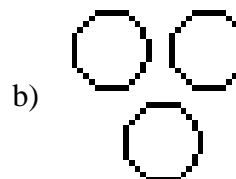
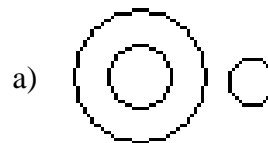
16) Which of the following diagrams indicates the best relation between Women, Mothers and Engineers?



17) Which of the following diagrams indicates the best relation between Factory, Product and Machinery?

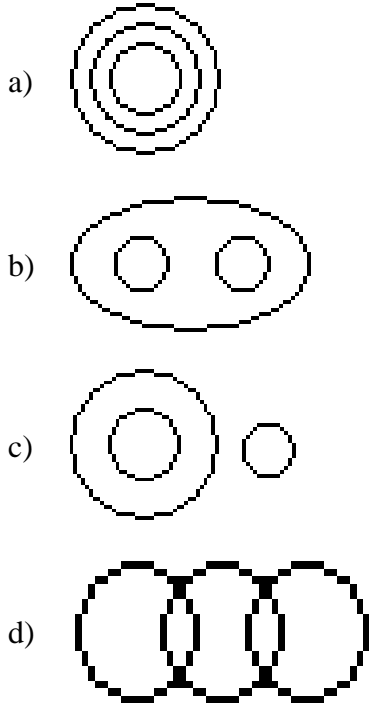


18) Which of the following diagrams indicates the best relation between Oil, Wick and Lamp ?

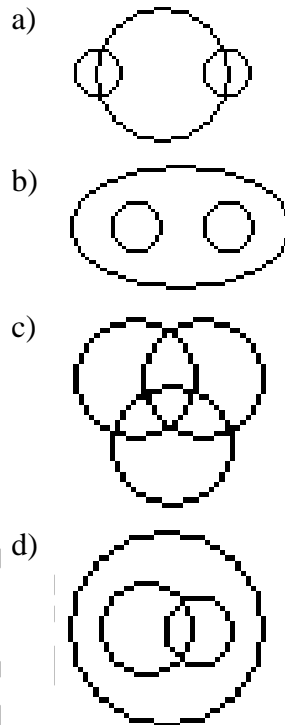




19) Which of the following diagrams indicates the best relation between Mammal, Cow and Bat?



20) Which of the following diagrams indicates the best relation between Profit, Dividend and Bonus?



ALL THE BEST

JAI HIND

