

# Microland Aptitude Questions Paper

## Part - A

1. The ratio of 9 seconds to 10 hours is
  - (a) 1:40
  - (b) 1:4000
  - (c) 9:10
  - (d) 1:400
2. A person lost 10% when he sold goods at Rs.153. For how much should he sell them to gain 20%?
  - (a) 204
  - (b) 250
  - (c) 240
  - (d) 210
3. What will be xy if 7862xy is to be divisible by 125?
  - (a) 25
  - (b) 00
  - (c) 75
  - (d) 50
4. A train of 100 meters long is running at the speed of 36 km per hour. In what time it passes a bridge of 80 meters long?
  - (a) 30 seconds
  - (b) 36 seconds
  - (c) 20 seconds
  - (d) 18 seconds
5. If two-third of a bucket is filled in one minute then the time taken to fill the bucket completely will be
  - (a) 90 seconds
  - (b) 70 seconds
  - (c) 60 seconds
  - (d) 100 seconds
6. If a quarter kilogram costs Rs. 60 then how much will cost for 150 grams?
  - (a) Rs. 30
  - (b) Rs. 24
  - (c) Rs. 36
  - (d) Rs. 40
7. If 3 men or 6 boys can do a piece of work in 20 days then how many days with 6 men and 8 boys take to do the same work?
  - (a) 5
  - (b) 8
  - (c) 10
  - (d) 6

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8. Find the sum of first 100 natural numbers

- (a) 5050
- (b) 5005
- (c) 9900
- (d) 9050

9. Two poles of height 6 meters and 11 meters stand on a plane ground. If the distance between their feet is 12 meters then find the difference in the distance between their tops:

- (a) 12m
- (b) 5m
- (c) 13m
- (d) 11m

10. How many balls of radius 4 cm can be made from a solid sphere of lead of radius 8 cm?

- (a) 4
- (b) 8
- (c) 16
- (d) 2

11. A secret can be told only 2 persons in 5 minutes .the same person tells to 2 more persons and so on . How long will take to tell it to 768 persons?

- a) 47.5 min
- b) 50 min
- c) 500 min
- d) 49 min

Answer: 47.5 min

12. When I was married 10 years ago my wife is the 6th member of the family. Today my father died and a baby born to me.The average age of my family during my marriage is same as today. What is the age of Father when he died?

Answer: 70

13. A son and father goes for boating in river upstream . After rowing for 1 mile son notices the hat of his father falling in the river. After 5 min. he tells his father that his hat has fallen. So they turn round and are able to pick the hat at the point from where they began boating after 5min. Tell the speed of river?

Answer: 6 miles/hr

14. There are three departments having students 64,58,24 .In an exam they have to be seated in rooms such that each room has equal number of students and each room has students of one type only (No mixing of departments. Find the minimum number rooms required?

Answer: 73

15. Argentina had football team of 22 player of which captain is from Brazilian team and goalki from European team. For remaining player they have picked 6 from Argentinean and

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14 from European. Now for a team of 11 they must have goalki and captain so out of 9 now they plan to select 3 from Argentinean and 6 from European. Find out number of methods available for it.

Answer: 160600

16. What two numbers have a product of 48 and, when the larger number is divided by the smaller, a quotient of 3?

Answer: 4 and 12

17. Which common nosould be added or substracted to  $17/24$  to make it  $1/2$ .

Answer: -10

18. Find out next one. B A C B D C E D F ?

Answer: E

19. The sum of 7 consecutive numbers is 1617 then the number of prime numbers in it.

Answer: 2

20. X is min of  $\{n+5, 6-n\}$  then what is the min of X if,  $0 < 1$ ?

Answer: 5.5

21. 13 sheeps and 9 pigs were bought for Rs. 1291.85. If the average price of a sheep be Rs. 74. What is the average price of a pig?

Answer:36.65

22. A batsman in his 18th innings makes a score of 150 runs and there by increasing his Average by 6. Find his average after 18th innings?

Answer:42

23. Find the H.C.F of 777 and 1147?

Answer:37

24. The L.C.M of two numbers is 2310 and their H.C.F is 30. If one number is 210, the other number is?

Answer:330

25. The average of 50 numbers is 38. If two numbers namely 45 and 55 are discarded, The average of remaining numbers is?

Answer:37.5

26. Divide 50 in two parts so that the sum of reciprocals is  $(1/12)$ , the numbers are?

17. Five years ago the average age of a family of 3 members was 27 years. A child has Been born, due to which the average age of the family is 25 years today. What is the Present age of the child?

Answer:4 years

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28. In a class of 20 students in an examination in Mathematics 2 students scored 100 Marks each, 3 get zero each and the average of the rest was 40. What is the average Of the whole class?

Answer:40

29. The greatest number, which can divide 432, 534 and 398 leaving the same remainder 7 in each. Required number is the H.C.F of?

Answer:17

30. A man traveled a certain distance at the rate of 15 miles an hour and came back at the rate of 10 miles an hour. What is his average speed ?

Answer: 12 miles an hour

## Part - B

1. A train covers a distance in 50 min ,if it runs at a speed of 48kmph on an average.The speed at which the train must run to reduce the time of journey to 40min will be?

Answer:60kmph

2. Vikas can cover a distance in 1hour, 24minutes by covering  $\frac{2}{3}$  of the distance at 4 kmph and the rest at 5kmph. The total distance is?

Answer:6km

3. Walking at  $\frac{3}{4}$  of his usual speed, a man is late by  $2\frac{1}{2}$  hour. The usual time is?

Answer:7  $\frac{1}{2}$

4. A man covers a distance on scooter .had he moved 3kmph faster he would have taken 40 minutes less. If he had moved 2kmph slower he would have taken 40minutes more. The distance is?

Answer:40 km

5. Excluding stoppages, the speed of the bus is 54kmph and including stoppages, it is 45kmph. For how many minutes does the bus stop per hour?

Answer:10min

6. Two boys starting from the same place walk at a rate of 5kmph and 5.5kmph respectively. What time will they take to be 8.5km apart, if they walk in the same direction?

Answer:17 Hours

7. 2 trains starting at the same time from 2 stations 200km apart and going in opposite direction cross each other at a distance of 110km from one of the stations.what is the ratio of their speeds?

Answer:11:9

8. Two trains start from A & B and travel towards each other at speed of 50kmph and 60kmph respectively. At the time of the meeting, the second train has traveled 120km more than the first. The distance between them is?

Answer:1320 Km

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9. A thief steals a car at 2.30pm and drives it at 60kmph. The theft is discovered at 3pm and the owner sets off in another car at 75kmph. when will he overtake the thief?

Answer: 5 pm

10. In covering a distance, the speed of A & B are in the ratio of 3:4. A takes 30 minutes more than B to reach the destination. The time taken by A to reach the destination is?

Answer: 2 hour

11. Speed of boat in still water is 9km/hour. If boat moves upstream A to B in 2 hours & B to A in 1 hour, Then find the distance between A & B?

Answer: 12

12. The probability of a student possessing a ball point pen in exam is  $\frac{3}{5}$  & possessing an ink pen is  $\frac{2}{3}$ . Find the probability of possessing at least one of them?

Answer:  $\frac{13}{15}$ .

13. In an interview, the probability of appointing Husband is  $\frac{1}{5}$ , while that of wife is  $\frac{1}{4}$ . Find the probability that only one of them get selected in an interview?

Answer:  $\frac{1}{4}$

14. Find the probability that a five digit number formed by 1,2,3,4,5 ( not repeated) are divisible by 4?

Answer:  $\frac{3}{20}$

15. If a tap could fill entire tank in 18 hours due to leakage, then in how much time tank can be emptied by leakage, if tap can fill entire tank in 12 hours without leakage?

16. Three liquids were mixed in 5:4:1 ratios. If cost per kg for each of them is 4.50, 3.75 & 5.10. Then in what price mixture should be sold to get 25% profit?

17. Product of two numbers is 900. The sum of two numbers is 30 greater than the difference of two numbers. Find the Number?

Answer: 60

18. Find the total number of palindromes between 100 and 1000?

19. Anand is ten years older than Ram. After 5 years, Anand is twice than the age of Ram. Find Anand's age after 3 years?

Answer: 18

20. How many four digit numbers can be written if all the four digits are even?

## Technical Questions:-

1. which device connects to a parallel port?

a. Mouse

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- b. Joystick
  - c. Keyboard
  - d. Printer
2. What command will restore a backup copy of the registry from DOS?
- a. CHKDSK
  - b. CHKREG
  - c. SCANREG
  - d. SCANDISK
3. which utility is used to partition a new hard drive in windows 98?
- a. FDISK
  - b. Format
  - c. Partition Manager
  - d. Windows Explorer
4. Which of the following conversions is possible in windows 98?
- a. FAT 16 to NTFS
  - b. FAT 32 to FAT 16
  - c. Fat 16 to Fat32 and Fat32 to Fat 16
  - d. Fat 16 to Fat 32 but not Fat 32 to Fat 16
5. You have replaced the CMOS battery. What must you do next?
- a. FDISK
  - b. Reinstall the OS
  - c. Set the date and time
  - d. Format the hard drive
6. The first physical sector in any bootable hard disk contains which of the following?
- a. File Structure
  - b. Data structure
  - c. MBR
  - d. LBR
7. What must an IDE hard drive have in order for an AGP slot?
- a. Active partition
  - b. Passive partition
  - c. Dynamic partition
  - d. Extended partition Associated entries in the FAT are removed.
8. Which of the following device is designed for an AGP slot?
- a. HDD
  - b. Serial Port
  - c. Video card
  - d. External Storage Device
9. What has occurred when HDD fails, making a grinding noise?
- a. controller failure

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- b. the read/ write head is in contact with the platter
- c. hard drive is in power save
- d. hard drive is in labor

10. which type of connector is used by analog modems?

- a. AUI
- b. BNC
- c. RJ-11
- d. RJ-45

11. From which control panel option in Windows 95 can u create a startup disk?

- a. system
- b. admin
- c. add/remove programs
- d. network

12. our customer has bought a second hard disk and added it an existing computer. The first hard disk is having one primary partition and extended partition. The extended partition is divided into two logical drivers D and E. when you install the second hard drive and format it, what would be the drive letter assigned to the first logical drive on the extended partition of hard disk? Assume that the second hard disk has one primary partition and only one logical drive on the extended partition.

- a. D
- b. E
- c. F
- d. F

13. Which port can the keyboard be connected to?

- a. parallel port
- b. VGA port
- c. PS2
- d. IEEE 1394

14. You get a CMOS checksum error upon boot. What is the most likely cause?

- a. power supply failure
- b. BIOS need to be updated
- c. CMOS battery is nearing end of life
- d. HDD types are incorrectly defined

15. You rare reported that the monitor at a clients place is having a problem. You are about to remove the CPU tower to trouble shoot the issue. What do you do just before opening the CPU tower?

- a. wear wrist strap to prevent ESD damage to the monitor
- b. Make sure that the power is switched off and the power cord is plugged out.
- c. Make sure that the ESD is grounded properly
- d. Connect the monitor as well as the wrist strap to the ground.

16. Which of the following files is NOT required for DOS to boot?

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- a. COMMAND.COM
- b. MSDOS.SYS
- c. IO.SYS
- d. AUTOEXEC.BAT