P18MHU301 SET - C	Page No 1						
	U.S.N						
<b>PFS</b> College of Engine	ering Mandya - 571 401						
(An Autonomous Institution affiliated to VTU, Belgaum)							
Third Semester, MCA - Semester End Examination; Dec 2019							
Aptitude and Reasoning Deve							
(Common to a							
Time: 1½hr	Max. Marks: 50						
Instructions:	) much account contract in the answer cheet						
i) Questions 1 - 50 carry one mark each; Put a (							
1. X can do a piece of work in 20 days. He worked In how many days can X and Y together finish the							
•••	18 Days D. 24 Days						
2. X can do a piece of work in 30 days. Y can do i	5						
many days will they all do it together?							
	4 Days D. 8 Days						
3. A box contains three white balls, four black balls a	and three red balls. The number of ways in which						
three balls can be drawn from the box so that at le	east one of the balls is black is						
A. 50 B. 100 C. 150	D. 200						
4. The number of straight lines that can be drawn out	-						
A. 39 B. 29 C. 49	D. 59						
5. A tradesman marks his goods 25% above the cos	st price and allows his customers 12 % reduction						
on their bills. What percent profit does he make?	D 12.50						
A. 14 %B. 10%C. 18%6. In order to maintain the price line, a trader allows	D. 12.5%						
in his ship. However, he still makes a gross profit							
he would have made on the selling price had he so							
A. 28.07 % B. 50 % C. 31.21	-						
7. The seven digit number 43567X is divisible by 3,							
A. 2 B. 5 C. 8	D. All of these						
8. The six digit number 54321A is divisible by 9 who	ere A is a single digit whole number. Find A.						
A. 0 B. 2 C. 4	D. 3						
9. The HCF of two numbers is 29 & their sum is 174	•						
A. 1,174 B. 74,100 C. 29, 15							
10. Find the side of the largest square slab which can	n be paved on the floor of a room 5 meters 44cm						
long and 3 meters 74 cm broad.	D 24 arr						
A. 56 cm B. 42 cm C. 38 cm							
11. In ABC College, 63% of students are less than 20 20 years of age is 2/3 of number of students of	of 20 years of age which is 42. What is the total						
number of students in the ABC College?	1 20 years of age which is 42. What is the total						
A. 75 B. 90 C. 130	D. 200						
12. A student erroneously multiplied a number by 2							
the calculation?	r c						
A. 24% B. 54% C. 74%	D. 84%						
13. A card is drawn from a pack of 52 cards. What is	s the probability that the card is a Queen?						
A. 1/52 B. <sup>1</sup> /4 C. 1/16	D. None of these						

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- 14. Two cards are drawn in succession from a pack of 52 cards, without replacement. What is the probability, that the first is a Queen and the second is a Jack of a different suit?
  A. 1/52
  B. 1/13
  C. 4/13
  D. 1/221
- 15. Two dice are thrown, what is the probability that both the dices are not having the same number. A. <sup>1</sup>/<sub>4</sub> B. 5/6 C. 1/9 D. 1/12
- 16. In a certain code 'LIMCA' is written as 'HJLDZ'. Which of the following words is written as 'IFWJBP'?
- A. M E X I C OB. MERCURYC. JAPAND. MIDNIGHT17. In certain code 'HILTON' is written as 'I H T L N O'. How is 'BILLION' written in that code?A. IBLLIONB. IBOILLNC. IBLLOIND. IBLOILN

DIRECTIONS for questions 18 & 19: In each of the questions below are given three statements followed by four conclusions numbered I, II, III and IV. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. Read the conclusions and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

18. Statements: Some eyes are ears. Some ears are lungs. All lungs are hands

Conclusion:					
I. Some hands	are eyes.	II. Some han	II. Some hands are ears		
III. Some lungs	s are eyes	IV. No hand	IV. No hand is eye		
A. None follow	/	B. Only IV f	B. Only IV follows		
C. Only II follo	ollows D. Only III follows				
19. Statements: Al	l liquids are solids. S	Some solids are gases	. All gases are	clouds	
<b>Conclusion:</b>					
I. Some clouds	I. Some clouds are solids		II. Some clouds are liquids		
III. Some gases are liquids		IV. Some so	IV. Some solids are clouds		
A. None follows B. Only I and		d II follow			
C. Only III and	IV follow	D. Only I and IV follow			
20. An article is boy	ught for Rs.600 and	sold for Rs.500, find	the loss percer	nt?	
A. 16 4/3%	B. 100/3%	C. 16%	Ι	D. 16 2/3%	
21. It's not the teachers BUt the director of the school who on the COUrse schedUle.					
A. decide	B. decides				
22. Forty percent of	f the milk been sold s	since the morning.			
A. has	B. have				
23. It is only Mike,	not his classmates th	nat _ lUnch in the clas	ssroom.		
A. eat	A. eat B. eats				
24. Everyone at the	SUpermarket lookir	ng for the missing gir	1.		
A. was	B. were				
25. Either my Uncl	e or my grandparents	s _ going to bUy me a	a laptop.		
A. is	B. are				
26. The Moon is a l	parren, rocky world _	air and water			
A. Without	B. to	C. from	D. in		
27. The dog ran					
A. Into	B. from	C. behind	D. wit	thout	
28. Sweater will pro	otect you cold				
A. From	B. to	C. for	D. wit	h	

29. Students are responsible any kind irresponsible behaviour.					
A. With	B. to	C. for	D. from		
30. Ramesh is sitting of the laptop					
A. In front of	B. to	C. with	D. into		
31. Shakespeare ha	as written dramas	appealing to all peop	ple of all ages.		
A. simple present		B. present continuous			
C. past perfect	C. past perfect D. present perfect				
32. I shall visit the	book fair tomorro	ow.			
A. simple past	A. simple past B. simple present				
C. simple futur	C. simple future D. future co		lous		
33 lion is a fe	erocious animal				
A. a	B. an	C. the	D. no article		
34 unit means a measurement					
A. a	B. an	C. no article	D. the		
35. He is hone	est official.				
A. a	B. an	C. the	D. no article		
36. Taj mahal is bu	ilt of marble				
A. a	B. an	C. the	D. no article		
37. New York is	large city				
A. a	B. an	C. the	D. no article		
38. Are you attending reception today					
A. a	B. an	C. the	D. no article		
39 Oranges are grown in Nagpur					
A. a	B. an	C. the	D. no article		
40. She wants to become engineer					
A. a	B. an	C. the	D. no article		
41. He is European					
A. an	B. a	C. no article	D. the		
42. Let us play chess					
A. no article	B. a	C. an	D. the		

## Directions: Read the passage. Then answer the questions below.

There are many kinds of boats. One kind of boat is called a sailboat. A sailboat uses the wind to move. Wind makes a sailboat move in the water. The wind pushes the sailboat. Wind fills the sails. The sailboat moves when the wind blows. One kind of boat is called a motorboat. A motorboat uses a motor to move. The motor gives power to the boat. The motorboat moves when the motor is running. The motorboat makes a loud noise. One kind of boat is called a rowboat. A rowboat needs people to move it. People make a rowboat move in the water. People use oars to move a rowboat. Oars are long and flat. Oars go into the water. A rowboat moves when people use the oars. As you can see, there are many kinds of boats. 43. Which boat uses the wind to move? A. a sailboat B. a rowboat C. a motorboat

44. Which boat makes a loud noise?

A. a sailboat	B. a motorboat	C. a rowboat			
45. What is used to move a rowboat?					
A. wind	B. a motor	C. oars			
46. According to the passage, oars are					
A. short and fat	B. long and flat	C. big and heavy			

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47. This passage is mainly about A. different kinds of boats C. how to make a boat B. where to use a rowboat 48. Which boat(s) can still move if there is no wind? I. a motorboat II. a rowboat III. a sailboat B. I and II only C. I, II, and III A. I only 49. Tom doesn't like loud noises. Which boat(s) does he probably like to ride in? I. a sailboat II. a rowboat III. a motorboat A. I only B. I and II only C. I, II, and III 50. What would be the best title for this passage? A. Boats that Make Noise B. The Sailboat and the Motorboat

C. Three Kinds of Boats

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