1. Find the greatest number which will divide 215, 167, and 135 so as to leave the same remainder in each case
A) 64
B) 32
C) 24
D) 16

2. The average age of 24 students and the principal is 15 years. When the principals age is excluded, the average age decreases by 1 year. What is the age of the principal?

A) 38
B) 40
C) 39
D) 37

3. In a mixture of 80 litres of milk and water, 25% of the mixture is milk. How much water should be added to the mixture so that milk becomes 20% of the mixture?

A) 20 litres
B) 15 litres
C) 25 litres
D) 24 litres

4. A and B are two alloys of argentum and brass prepared by mixing metals in proportions 7:2 and 7:11 respectively. If equal quantities of the two alloys are melted to form a third alloy c, the proportion of argentum and brass in C will be:

A) 5:9
B) 5:7
C) 7:5
D) 9:5

5. On a given day a boat ferried 1500 passengers in 12 hours. How many round trips did the boat make?

A) The boat can carry 200 passengers at any time.
B) The boat takes 40 minutes each way with a 20-minute waiting time at the terminal.

6. Two types of widgets, namely type A and type B, are produced on a machine. The number of machine hours available per week is 80. How many widgets of type A must be produced?

A) One unit of type A widget requires 2 machine hours and one unit of type B widgets requires 4 machine hours.

B) The widget dealer wants supply of at least 10 units of type A widget per week and he would not accept less than 15 units of type B widget.

7. What is the value of X?

A) X and Y are unequal even integers, x/y is an odd integer

B) X and Y are both even integers, each is less than 10 and the product of x and y is 12

8. M is yellow if N is green. Is N green?

A) M is not green

B) M is yellow

9. Choose the word from among the options that is closet in meaning to

1. Cupid
A) Stupid
B) Greed
C) Tread
D) Dread

2. Implicit
A) Absolute
B) Resolute
C) Desolute
D) Destitue

10. Choose the best way of stating the one-word opposite of:

1. Probable
A) Non-probable
B) Not-probable
C) Inprobable
D) Improbable

2. Mobile
A) Non-mobile
B) Inmobile
C) Immobile
D) No mobile

11. If A and B are two mutually exclusive words then
A) P (A or B) = P (A)uP (B)
B) P (A or B) = P(A)+P(B)

C) P(A or B) = P(A)+P(B)-P(AB)
D) P (A or B) = P(A).P(B)

12. If three numbers are in the ratio 1:2:3 and half the sum is 18, then the ratio of square of the number is:
   A) 6:12:13
   B) 1:2:4
   C) 36:144:324
   D) 3:5:7

13. What is the radius of the circle?
   A) Ratio of its area to circumference is >7
   B) Diameter of the circle is ≤ 32

14. Which of the following is the largest number?
   A) 20% of 200
   B) 7% of 500
   C) 1300% of 3
   D) 700% of 9

15. Rs 1200 is lent out at 5% per annum simple interest for 3 years. Find the amount after 3 years.
   A) 1380
   B) 1290
   C) 1470
   D) 1200

16. Interest obtained on a sum of Rs 5000 for 3 years is Rs 1500. Find the rate percent.
   A) 8%
   B) 9%
   C) 10%
   D) 11%

17. What is the average daily wage of a worker who works for five days, he made Rs 80 on the first day?
   A) The worker made a total of Rs 400 for the first four days of work
   B) The worker made 20% more each day than he did on the previous day

18. 6 men can do a piece of work in 12 days. How many men are needed to do work in 18 days?
   A) 3 men
   B) 6 men
   C) 4 men
   D) 2 men

19. Nisha and Archana can do a piece of work in 10 days and Nisha alone can do it in 12 days. How many days can do it alone?
   A) 60 days
   B) 30 days
   C) 50 days
   D) 45 days

20. Passage: The establishment of the Third Reich influenced events in American history by starting a chain of events which culminated in war between Germany and the United States. The complete destruction of democracy, the persecution of laws, the war on religion, the cruelty and barbarism of Nazis and especially the Plans of Germany and her allies, Italy and Japan for world conquest caused great indignation in the country and brought the fear of another world war. While speaking out about Hitler's atrocities, the American profile generally favoured isolationist policies and neutrality. The Neutrality Acts of 1935 and 1936 prohibited trade with any belligerents or loans to them. In 1937 the president was empowered to declare an arms embargo in wars between nations at his discretion American opinion began to change somewhat after President Roosevelt quarantined the aggressor speech at Chicago (1937) in which he severely criticized Hilter's policies. Germany's seizure of Austria and the Munich pact for the partition of Czechoslovakia also around the American people. The conquest of Czechoslovakia in March 1939 was another rude awakening to the menace of the Third Reich. In August 1939, came the shock of the Nazi-soviet pact and in September the attack on Poland and the outbreak of the European War. The US attempted to maintain neutrality in spite of sympathy for the democracies against the Third Reich. The Neutrality Act of 1939 repeated the arms embargo and permitted cash and carry exports of arms to belligerent nations. A strong national defence program was begun. A draft was passed in 1940 to strengthen the military services. A Lend Lease Act 1940 authorized the president to sell, exchange or lend material to any country deemed necessary by him for the defence of the US. Help was given to British territory in the Western hemisphere. In August 1941, President Roosevelt and Prime Minister Churchill met and issued the Atlantic Charter which proclaimed the kind of world war which should be established after the war. In December 1941, Japan launched an unprovoked attack on the US at Pearl Harbour, immediately thereafter Germany declared war on the US.

Answer the question based on the above passage:

   1. USA entered the war against Germany
   A) Because Pearl Harbour was attacked
   B) After peaceful efforts had failed
   C) Because Germany declare war against it
   D) Because Japan was an ally of Germany

   2. The neutrality act of 1939 favored Great Britain because
   A) The British had command of the sea
   B) The law permitted USA to trade only with the allies
   C) It antagonized Japan

D) It led to the land - lease act

3. An event that did not occur in 1939 was the
A) Invasion of Poland
B) Invasion of Czechoslovakia
C) Passing of the neutrality act
D) Passing of the land - lease act

4. One item occurring 1937 that the author does not mention in the list of actions that alienated the American Public was
A) The persecution of religious groups
B) Nazi barbarism
C) The pacts with Italy
D) The burning of the Reich tag

5. The land-lease act was designed to
A) Strengthen USA's national defense
B) Provide battle shit to the Allies
C) Help the British
D) The Atlantic Charter

6. The Neutrality Act of 1939
A) Restated America's isolationist policies
B) Proclaimed American neutrality
C) Permitted the selling of arms to belligerent nation
D) Was cause of USA entrances in to World War II

7. During the year 1933-36, American policy may be described as having been:
A) Watchful
B) Isolationist
C) Pacific
D) Incorrect

21. If a,b,c,d are proportional, then (a-b)(a-c)/a=
A) A+c+d
B) A+d-b-c
C) A+b+c+d
D) A+c-b-d

22. Fill in the blanks with the appropriate word
An abnormal accumulation is ———————————
A) Dynamism
B) Stringent
C) Congestion
D) D) Core