SECTION-I : GAT

1.   The sum of first 45 natural numbers is -

a) 2070   b) 1035   c) 1280   d) 2140

2.   Find the sum of all odd numbers up to 100

a) 2500   b) 2450   c) 2400   d) 2550

3.   Which of the following number is exactly divisible by 99?

a) 114345   b) 135792   c) 3572404   d) 913464

4. $852.2109 + 106.78 - 59.157 = ?$

a) 899.8339   b) 889.8339   c) 899.9833   d) 804.5879

5.   Which of the following fraction is less than 7/8 and greater than 1/3?

a) 1/4   b) 23/24   c) 11/12   d) 17/24

6.   On simplification of expression 1-(1-(1-1-1) yields

a) 0   b) 1   c) 2   d) 3

7. $1+\cfrac{1}{1+\cfrac{1}{1-1/6}} = ?$

a) 6/11   b) 16/11   c) 7/6   d) 1/6

8.   If a/3 = b/4 = c/7 the value of $\dfrac{a+b+c}{c} = ?$

a) 7   b) 2   c) 1/2   d) 1/7

9. $\sqrt{64009}$ is equal to

a) 803   b) 363   c) 347   d) 253

10. If $\dfrac{\chi}{\sqrt{2.25}} = 550$ then the value of χ

a) 875   b) 82.5   c) 3666.66   d) 2

11. The value of $\sqrt{0.064}$ is

a) 0.8   b) 0.08   c) 0.008   d) 0.252

12. The average of price of three items of furniture is Rs.15000/-. If their prices are in the ratio of 3:5:7, the price of cheapest item is

a) Rs.9000/-   b) Rs.15000/-   c) Rs.18000/-   d) Rs.21000/-

13. The average weight of 29 students is 28 kg. By the admission of a new student the average weight is reduced to 27.8 kg. The weight of new student is-

a) 22 kg.   b) 21.6 kg.   c) 22.4 kg.   d) 21 kg.

14. The product of two numbers is 120 and sum of their squares is 289 then the sum of the numbers is-

a) 20   b) 23   c) 169   d) none of these

15. The ages of Ram and Krishna are in the ratio of 3:5. After 9 years the ratio of their ages will become 3:4.Hence what will be the present age of Krishna (in years)?

a) 9   b) 15   c) 18   d) 24

16. Five years ago, the total of ages of a father and his son was 40 years. The ratio of their present age is 4:1. What is the present age of the father?

a) 44   b) 32   c) 22   d) 45

17. If $3\sqrt{32} = 2^\chi$ there is χ is equal to-

a) 5   b) 3   c) 3/5   d) 5/3

18.   4 or   5 in these numbers which number is larger? _____

19. If 70% of students in a school are boys and number of girls is 504 the number of boys is ?

a) 1680   b) 1176   c) 1276   d) None of these

20. A man spends 35% of his income on house rent, 75% of the remaining on other items. What percentage of income does he save?

a) 16.25   b) 34.50   c) 48.75   d) None of these

21. 300 gms of sugar solution has 40% sugar in it. How much sugar should be added to make it 50% in the solution?

a) 10 gm   b) 40 gm   c) 60 gm   d) 80 gm

22. If an article is sold for Rs.247.5 and the profit is 12.5%. Then what is the cost of the article?

a) 225   b) 224   c) 220   d) 210

23. The sides of a triangle are in the ratio of $1/2 : 1/3 : 1/4$ and its perimeter is 104 cm. Then the length of long side is-

a) 52 cm   b) 48 cm   c) 32 cm   d) 26 cm

24. If A, B and C together can finish a piece of work in 4 days, A alone can do it in 12 days and B in 18 days, then C alone can do it in

a) 21 days   b) 16 days   c) 14 days   d) 9 days

25. A sum of money at compound interest amounts to Rs.5290/- in 2 years and to 6083.5 in 3 years, the rate of interest per annum is-

a) 12%   b) 14%   c) 15%   d) 16 2/3%

SECTION-II : GAT

Directions: In each of the following questions, five groups of letters are given. Four of them are alike in a certain while one is different. Choose the odd one.

1. a) BD   b) IK   c) PN   d) SU   e) WY

2. a) POCG   b) KLIZ   c) BUDX   d) FQMV   e) ARTG

3. a) ACE   b) PRT   c) UWY   d) MNO   e) GIK

4. a) GHC   b) OPQ   c) MNW   d) ILT

In each of the following questions, certain pairs of words are given out of which the words in all pairs except one, bear a certain common relationship. Choose the pair in which words are differently related.

5. a) Car : Road   b) Ship : Sea
    c) Rocket : Space   d) Aeroplane : Pilot

6. a) Beautician : Parlour   b) Chemist : Medicine
    c) Lawyer : Court   d) Engineer : Site

7. a) Tree : Branch   b) Hand : Finger
    c) Table : Chair   d) Room : Floor

8. a) Shirt : Dress   b) Boy : Girl
    c) Mango : Fruit   d) Table : Furniture

9. *Water* is related to *Ocean* in the same way as *Snow* is related to ……………

    a) Peaks   b) Hail   c) Glacier   d) Mountain

10. *Transistor* is related to *Radio* in the same way as *Television* is related to ………..

    a) Entertainment   b) Cinema   c) Video   d) Cassette

11. *Cobra* is related to *Snake* in the same way as *Leopard* is related to…………….

    a) Tiger   b) Lion   c) Cat   d) Zebra

12. *Institute* is related to *Academy* in the same way as *Decree* is related to …………….

    a) Blame   b) Court   c) Judge   d) Mandate

Three words in bold letters are given in each question, which have something in common among themselves. Out of the four given alternatives, choose the most appropriate description about these three words.

13.   **Delhi : Agra : Mathura**

   a)   They have been capitals of the country.
   b)   They have exquisite temples.
   c)   They have religious background
   d)   They are situated on the bank of Yamuna

14.   **Press : Television : Cinema**

   a)   They are means of entertainment.
   b)   They are means of mass media
   c)   They give world wide news.
   d)   All are public undertakings

15.   **Crocodile : Chameleon : Tortoise**

   a)   They are reptiles
   b)   They have hard shells
   c)   They live near water
   d)   They keep on changing colour.

16.   **Knot : Watt : Fathom**

   a)   The terms are used by sailors
   b)   The terms are used for installing electricity
   c)   The terms are connected with rope
   d)   They are units of measurement.

Directions: In each of the following questions, five words have been given out of which four are alike in some manner and the fifth one is different. Choose the odd one.

17.   a) Jumping   b) Running   c) Sprinting   d) Jogging   e) Exercising

18.   a) Capsicum   b) Pineapple   c) Cherry   d) Strawberry   e) Plum

19.   a) Rhinoceros   b) Lion   c) Deer   d)Ass   e) Cow

20.   a) Volga   b) Nile   c) Amazon   d) Congo   e) Niagara

Directions: There is a certain relation between two given words on one side of : : and one is given on another side of : : while another word is to be found from the given alternatives, having the same relation with this word as the given pair has. Select the best alternative.

21.   **Dog : Rabies : : Mosquito : ?**

a) Plague   b) Death   c) Malaria   d) Sting

22.   **Reading : Knowledge :: Work : ?**

a) Experience   b) Engagement   c) Employment   d) Experiment

23.   **Pigeon : Peace : : White Flag : ?**

a) Friendship   b) Victory   c) Surrender   d) War

24.   **Tea : Cup : : Tobacco : ?**

a) Leaves   b) Hookah   c) Toxin   d) Cheroot

25.   **Skirmish : War : : Disease : ?**

a) Medicine   b) Patient   c) Epidemic   d) Infection