



8. The average age of a class of 39 students is 15 years. If the age of the teacher be included, then the average increases by 3 months. Find the age of the teacher.
- (a) 30 years      (b) 24 years      (c) 25 years      (d) 32 years
9. 2 men and 3 boys can do a piece of work in 10 days while 3 men and 2 boys can do the same work in 8 days. In how many days can 2 men and 1 boy do the work?
- (a)  $10\frac{2}{3}$  days      (b)  $12\frac{1}{2}$  days      (c)  $15\frac{1}{3}$  days      (d)  $9\frac{1}{5}$  days
10. Inder walk a certain distance and rise back taking a total time of 37 minutes. Inder could walk both the ways in 55 minutes. How long would it take me to ride both ways?
- (a) 27 minutes      (b) 11 minutes  
(b) (c) 23 minutes      (d) 19 minutes
11. ELFA, GLHA, ILJA, \_\_\_\_\_, MLNA
- (a) OLPA      (b) KLMA      (c) LLMA      (d) KLLA
12. A train 360 m long is running at a speed of 45 km/hr. In what time will it pass a bridge 140 m long?
- (a) 40 sec      (b) 42 sec      (c) 45 sec      (d) 48 sec
13. The sum of the first 16 terms of an AP whose first term and third term are 5 and 15 respectively is
- (a) 600      (b) 765      (c) 640      (d) 680
14. Find the sum of mode and median of the given data: 12, 15, 11, 13, 18, 11, 13, 12, 13
- (a) 26      (b) 31      (c) 36      (d) 35
15. Choose the antonym for the given word: MALICIOUS
- (a) Kind      (b) Boastful      (c) Generous      (d) Indifferent
16. Choose the synonym for the given word: RECKLESS
- (a) Courageous      (b) Rash      (c) Bold      (d) Daring
17. Originally, the project was planned to take at least 15 years, but effective resource and technological advances have \_\_\_\_\_ the team's progress.
- (a) Energized      (b) Postponed      (c) Accelerated      (d) deferred
18. The present age of Sonu is  $\frac{1}{3}$ rd of his father's present age. After 4 years the sum of their ages will be 60 years. The present age of Sonu is
- (a) 11 years      (b) 12 years      (c) 13 years      (d) 14 years
19. A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting?

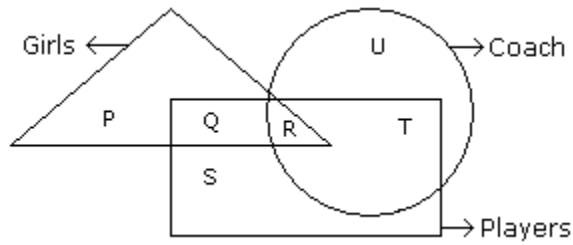
(a) Between B and D

(b) Between B and C

(c) Between E and D

(d) Between C and E

20. In the following figure triangle represents 'girls', square players and circle-coach. Which part of the diagram represents the girls who are player but not coach?



(a) P

(b) Q

(c) R

(d) S

21. Which ONE of these is an example of processed data?

(a) Tables from surveys.

(b) CCTV recordings of shopper visits.

(c) Number of visitors to a store.

(d) Customer comments.

22. A said, either Freedom Party or Green Party won the elections.

B said, Freedom Party won.

C said, neither Freedom Party nor Green Party won the elections.

Of these persons, only one person is wrong. Who won the elections?

(a) Freedom Party

(b) Green Party

(c) Data Inadequate (d) None of these

23. Median, mode, deciles and percentiles are all considered as measures of

(a) mathematical averages

(b) population averages

(c) sample averages

(d) averages of position

24. In each of the following questions two statements are given and these statements are followed by two conclusions numbered (1) and (2). You have to take the given two 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 follow from the two given statements, disregarding commonly known facts.

**Statements:** Some actors are singers.

All the singers are dancers.

**Conclusions:**

Some actors are dancers.

No singer is actor.

(a) Only (1) conclusion follows

(b) Only (2) conclusion follows

(c) Either (1) or (2) follows

(d) Neither (1) nor (2) follows

25. In each of the following questions, two statements are given followed by three or 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 the commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.

Statements: All branches are flowers. All flowers are leaves.

Conclusions:

All branches are leaves.

All leaves are branches.

All flowers are branches.

Some leaves are branches.

(a) None follows

(b) Only I and IV follow

(c) Only II and III follow

(d) All follow

26. Study the following table and answer the questions based on it.

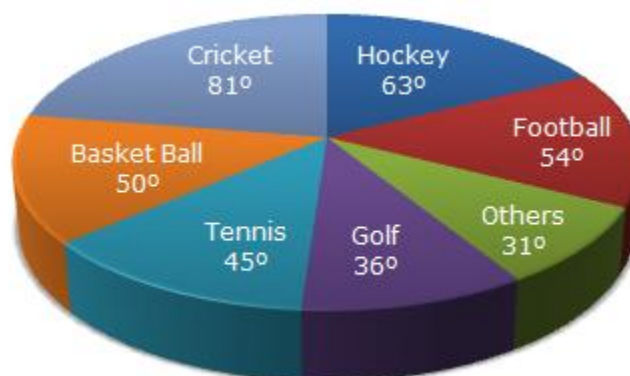
**Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years.**

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

What is the average amount of interest per year which the company had to pay during this period?

(a) Rs. 32.43 lakhs (b) Rs. 33.72 lakhs (c) Rs. 34.18 lakhs (d) Rs. 36.66 lakhs

27. The graph given here shows the spending of a country on various sports during a particular year. Study the graph carefully and answer the question given below it.



What percent of total spending is spent on Tennis?

- (a)  $12\frac{1}{2}\%$                       (b)  $22\frac{1}{2}\%$                       (c) 25 %                      (d) 45%

28. A cube of each side 4 cm, has been painted black, red and green on pairs of opposite faces. It is then cut into small cubes of each side 1 cm. How many small cubes will have only two faces painted?

- (a) 12                      (b) 24                      (c) 6                      (d) 32

29. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are:

- (a) 39, 30                      (b) 41, 32                      (c) 42, 33                      (d) 43, 34

30. Arrange the given words in a meaningful sequence and thus find the correct answer from the options given.

1. Key                      2. Door                      3. Lock                      4. Room                      5. Switch on

(a) 5, 1, 2, 4, 3

(b) 4, 2, 1, 5, 3

(b) 1, 3, 2, 4, 5

(d) 1, 2, 3, 5, 4