Question 1:

1. A mother her little daughter and her just born infant boy together stood on a weighing machine which shows 74kgs. How much does the daughter weigh if the mother weighs 46kg more than the combined weight of daughter and the infant and the infant weighs 60% less than the daughter?

a. 9

b. 11

c. 12

d. 10

Answer 1.:

1. D Daughter weight is x Infant weight is 60% less than daughter i.e. : 0.4x • Mother weight is (x + 0.4x + 46) • Total weight = x + 0.4x + (x + 0.4X + 46) = 74 • Solving the eq. x = 10

Question 2:

2. Mother, daughter and infant total weight is 74 kg. Mother's weight is 46 kg more than daughter and infant's weight. Infant's weight is 60% less than daughter's weight. Find daughter's weight?

a. 10

b. 9

c. 8

d. 7

Answer 2.:

2. A Total Age is M+D+I=74 given that M-D-I=46 solving above 2 eq\\\'s we get Mother age = 60 now reaming age=14 which is sum of daughter and Infant age. Given that Infant age is 60% lass than Daughter. i.e. If daughter age is 100 then infant age is

Question 3:

3. The end of 1994 rohit was half an old as his grandmother. The sum of years in which they were born is 3844. How old rohit was at the end of 1999.

a. 48

b. 49

c. 53

d. 104

Answer 40.:

40. So ages ratio Of D and I is 100 : 40 i.e. ... 5 : 2 So (5+2)=7 parts equal to 14. then 5 parts equal to 10. 2 parts equal to 4. daughter age is =10 and infant age is = 4 Answer a) 10

Question 4:

4. After 6 years Raju's fathers age will twice of the Raju's age 2 years ago. His mother’s E age was twice that of Raju's age. Sum of the age of their parents. age age age age

a. 4 less than four times the raju’s

b. 2 more than four times the raju’s

c. 4 more than four times the raju’s

d. 2 less than four times the raju’s

Answer 3.:

3. C let at the end of 1994 grandmother\\\'s age is x and rohit\\\'s age x/2 IONS then we can say....birth year of GM is =(1994-x) and rohit is = (1994 - x/2) sum of years is 3844 i.e. (1994 -x) + (1994 - x/2) = 3884 => x = 96 i.e. GM age is 96 so rohit age will be 96/2 = 48 years in 1994 age is 48 1995 49 1996 50 1997 51 1998 52 1999 53 so ans should be 53 years.....

Question 5:

5. 10 years ago 10 people age was33. After 3 years a person of age 40 dies. After another 3 years another person of 40years dies. After another 3 years another person of 27years dies. Find the present average age?

a. 43

b. 44

c. 45

d. 46

Answer 4.:

4. C F+6=2(R+6) F= 2R+6 M-2=2(R-2) M= 2R-2 Therefore the sum of Raju's Parent's age is F+M=2R+6+2R-2 F+M=4R+4 4 more than four times Raju's age

Question 6:

6. In 4 years, Rajs father will be double Rajs age then. Two years ago, while his mother was twice his age that time. If Raj is going to be 32 years old 8 year from now, then what is the sum of his parent's age now?

a. 96

b. 100

c. 98

d. 102

Answer 5.:

5. B 10 year ago 10 people= 33 10 year ago total age=330 after 3 year 1 person with age 40 died = i.e. take his age as 37 before 3 years lly for next 2 persons ; consider as 34 (40-6) and as 18(27-9) in 6 and 9 years ago(i.e. 37+34+18=89) 10 years ago age of 7 people =330-89=241 Now consider present age 7*10=70+241=311 now avg= 311/7=44.43(ans)

Question 7:

7. At the end of 1994, R was half as old as his grandmother. The sum of the years in which they were born is 3844. How old R was at the end of 1999

a. 48

b. 53

c. 104

d. 98

Answer 6.:

6. D Let the present age of raj be x then , the age of raj father after 4 years will be=(x+4)2 & the age of raj mother 2 years ago was = 2(x-2) after 8 years the age of raj will be x+8=32 after solving this equation x=32-8 x=24 thence, the age of raj father after 4 years will be(24+4)2=56 the present age of father is 56-4=52 the age of mother 2 years ago was 2(24-2) =44 so, the present age of mother is 44+2=46 so the total age sum is 46+56=102

Question 8:

8. A property was originally on a 99 years lease and two thirds of the time passed is equal to the four fifth of the time to come. How many years are there to go.

a. 45

b. 46

c. 49

d. 51

Answer 7.:

7. B In 1994, Assume the ages of GM and R = 2k, k then their birth years are 1994 - 2k, 1994 - k. But given that sum of these years is 3844. So 1994 - 2k + 1994 - k = 3844 K = 48 In 1999, the age of R is 48 + 5 = 53

Question 9:

9. A certain company retirement plan has a rule of 70 provisions that allows an employee to retire when the employee's age plus years of employment with the company total at least 70. In what year could a female employee hired in 1986 on her 32nd birthday first be eligible to retire under this provision?

a. 2005

b. 2009

c. 2010

d. 2008

Answer 8.:

8. A Assume x years have passed and y years to go Given $23x=45y \Rightarrow x=32\times45y=65y$ But x + y = 99 So 65y+y=99 Solving we get y = 45 years

Question 10:

10. Roy is now 4 years older than Erik and half of that amount older than Iris. If in 2 years, roy will be twice as old as Erik, then in 2 years what would be Roy's age multiplied by Iris's age?

a. 28

b. 48

c. 50

d. 52

Answer 9.:

9. A Assume it has taken x years to the female employee to reach the rule of 70. So her age should be 32 + x. Also she gains x years of experience. $\Rightarrow$ (32 + x) + x = 70 $\Rightarrow$ x = 19. Her age at the time of retirement = 1986 + 19 = 2005

Question 11:

11. 8 year old Eesha visited her grandpa. He gave her this riddle. I started working at

Answer 10.:

10. B At present Roy = erik+4....(1) Roy = iris+2....(2) In 2yrs, Roy + 2 = 2 (erik+2) (erik + 4) + 2 = 2 (erik+2)....from(1) Erik = 2yrs so, roy = 6yrs iris = 4yrs after 2years roy * iris=8*6=48

Question 12:

13. I spent 1/6 of my working life in a factory. I spent 1/4 of my working life in an office, and I spent 1/4 of my working life as a school caretaker. For the last 32 years of my working life I've been doing social service. How old am I?

a. 109

b. 102

c. 105

d. 113

Answer 11.:

11. A Let x be the number of years he worked. x/6+x/4+x/4+32=x x=96 His age = 96 + 13 = 109

Question 13:

12. A father said his son, “I was as old as you are at present at the time of your birth.” If the father age is 38 now, the son age 5 years back was :

a. 14

b. 19

c. 33

d. 38

Answer 12.:

12. A Let the son's present age be x years .Then, (38 - x) = x => x= 19. Son's age 5 years back = (19 - 5) = 14 years

Question 14:

13. The total age of A and B is 12 years more than the total age of B and C. C is how many years younger than A ?

a. 12

b. 13

c. 14

d. 15

Answer 13.:

13. A (A+B) - (B+C) = 12 A - C = 12. C is younger than A by 12 years.

Question 15:

14. n 10 years, A will be twice as old as B was 10 years ago. If A is now 9 years older than B, the present age of B is :

a. 19

b. 29

c. 39

d. 49

Answer 14.:

14. C Let B\\\'s present age = x years. Then, A\\\'s present age = (x + 9) years. (x + 9) + 10 = 2(x - 10) => x + 19 = 2x - 20 => x =39.

Question 16:

15. The sum of the present ages of a father and his son is 60 years. five years ago, father's age was four times the age of the son. so now the son's age will be:

a. 5

b. 10

c. 15

d. 20

Answer 15.:

15. C Let the present ages of son and father be x and (60 -x) years respectively. Then, (60 - x) - 5= 4(x - 5) 55 - x = 4x - 20 5x = 75 => x = 15

Question 17:

16. The age of a man is 4 times of his son. Five years ago, the man was nine times old as his son was at that time. The present age of man is?

a. 32 years

b. 34 years

c. 42 years

d. 47 years

Answer 16.:

16. A Let the son\'s age be x years and the father\'s age be 4x years 5x = 40 x = 8 therefore present age of the father = 4x = 4 times 8 = 32 years

Question 18:

17. Six years ago Anita was P times as old as Ben was. If Anita is now 17 years old, how old is Ben now in terms of P?

a. 11/P + 6

b. P/11 + 6

c. 17 – P/6

d. 17/P

Answer 17.:

17. A Let Ben’s age now be B Anita’s age now is A. (A - 6) = P(B - 6) But A is 17 and therefore 11 = P(B - 6) B = (11+ 6P) / P = 11 /P + 6

Question 19:

18. Sachin is younger than Rahul by 7 years. If the ratio of their ages is 7:9, find the age of Sachin?

a. 26

b. 27

c. 24.5

d. 23.5

Answer 18.:

18. C If Rahul age is x, then Sachin age is x - 7, so, (x-7)/x =7/9 9x - 63 = 7x 2x = 63 x = 31.5 So Sachin age is 31.5 - 7 = 24.5

Question 20:

19. "I am five times as old as you were, when I was as old as you are", said a man to his son. Find out their present ages, if the sum of their ages is 64 years?

a. Father = 50; Son = 14

b. Father = 40; Son = 24

c. Father = 60; Son = 4

d. Father = 48; Son = 16

Answer 19.:

19. B Let the present age of the man be 'P' and son be 'Q', Given, P + Q = 64 or Q = (64 - P) Now the man says \\\"I am five times as old as you were, when I was as old as you are\\\", So, P = 5[B - (P - Q)] We get 6P = 10Q, Substitute value for Q, 6P = 10(64 - P), Therefore P = 40, Q = 24.

Question 21:

20. The ratio of the ages of Maala and Kala is 4 : 3. The total of their ages is 2.8 decades. The proportion of their ages after 0.8 decades will be [1 Decade = 10 years]

a. 4:3

b. 12:11

c. 7:4

d. 6:5

Answer 20.:

20. D Let, Maala’s age = 4A and Kala’s age = 3A Then 4A + 3A = 28 A = 4 Maala’s age = 16 years And Kala’s age = 12 years Proportion of their ages after 8 is = (16 + 8) : (12 + 8) = 24 : 20 = 6 : 5

Question 22:

21. The average age of a group of 10 students is 15 years. When 5 more students join the group, the average age increase by 1 year. The average age of the new students is?

a. 20 years

b. 18 years

c. 21 years

d. 22 years

Answer 21.:

21. B Total age of 10 students = 150 years Total age of 15 students = 240 years Total age of 5 new students = 240 - 150 = 90 years therefore Average age of 5 new students = = 18 years

Question 23:

22. Rahul is 15 years elder than Rohan. If 5 years ago, Rahul was 3 times as old as Rohan, then find Rahul's present age.

a. 32.5 years

b. 27.5 years

c. 25 years

d. 24.9 years

Answer 22.:

22. B Let age of Rohan be y 2) Rahul is 15 years elder than Rohan = (y + 15). So Rahul's age 5 years ago = (y + 15 – 5) 3) Rohan's age before 5 years = (y – 5) 5 years ago, Rahul is 3 times as old as Rohan (y + 15 – 5) = 3 (y – 5) (y + 10) = (3y – 15) 2y = 25 y = 12.5 Rohan's age = 12.5 years Rahul's age = (y + 15) = (12.5 + 15) = 27.5 years

Question 24:

23. 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?

a. 60 years

b. 61 years

c. 65 years

d. 67 years

Answer 23.:

23. A Let the Father be x years when he died Average Age 10 years ago be A Total Age 10 years ago = 6*A Total Age after 10 years(Just before father\\\'s Death) = 6A + 6*10 = 6A + 60 Father Died and Baby was born => the Total number of people in the family is Same (6) Baby born today so age of baby = 0 (6A +60 - x)/6 = 6A/6 => A + 10 -(x/6) = A => x/6 = 10 => x = 60 Therefore we can conclude that the father was 60 years old when he died.

Question 25:

24. The sum of the ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?

a. 4

b. 8

c. 9

d. 10

Answer 24.:

24. A Let x = the youngest child. Each of the other four children will then be x+3, x+6, x+9, x+12. We know that the sum of their ages is 50 . so, x+(x+3)+(x+6)+(x+9)+(x+12) = 50 => x= 4 The youngest child is 4 years old

Question 26:

25. Sivagami is 2 years elder than Meena. After 6 years the total of their ages will be 7 times of their current age. Then age of Sivagami is

a. 8 years

b. 9 years

c. Data inadequate

d. 10 years

Answer 25.:

25. C Let Meena’s age = A. Then Sivagami’s age = A + 2 After 6 years the total of their ages will be 7 times of what? Not clear. So the given data are inadequate.

Question 27:

26. A man is 24 years older than his son. In two years, his age will be twice the age of his son. The present age of his son is

a. 20

b. 21

c. 22

d. 23

Answer 26.:

26. C Let the son\\\'s present age be x years. Then, man\\\'s present age = (x + 24) years => (x + 24) + 2 = 2(x + 2) => x + 26 = 2x + 4 So, x = 22

Question 28:

27. The ages of Krish and Vaibhav are in the proportion of 3 : 5. After 9 years, the proportion of their ages will be 3 : 4. Then the current age of Vaibhav is:

a. 17 years

b. 21 years

c. 15 years

d. 20 years

Answer 27.:

27. C Krish’s age = 3A and Vaibhav’s age = 5A (3A+9)/(5A+9) = 3/4 => 4 (3A + 9) = 3 (5A + 9) => A = 3 Therefore, Vaibhav’s age = 15 years.

Question 29:

28. The age of a person is thrice the total ages of his 2 daughters. 0.5 decades hence, his age will be twice of the total ages of his daughters. Then what is the father’s current age? [0.5 Decades = 5 Years]

a. 45 years.

b. 46 years

c. 48 years

d. 50 years

Answer 28.:

28. A Let, Total of current ages of the 2 daughters is A years. Then, father’s current age = 3A years. (3A + 5) = 2 (A +10) 3A + 5 = 2A + 20 A = 15 Therefore, father’s current age = 45 years.

Question 30:

29. Ages of two persons differ by 16 years. If 6 year ago, the elder one be 3 times as old the younger one, find their present age

a. 12, 28

b. 14, 30

c. 16, 32

d. 18, 34

Answer 29.:

29. B Let the age of younger person is x, Then elder person age is (x+16) => 3(x-6) = (x+16-6) [6 years before] => 3x-18 = x+10 => x = 14. So other person age is x + 16 = 30

Question 31:

30. The sum of the ages of a father and son is 45 years. Five years ago, the product of their ages was four times the father’s age at that time. The present age of father and son

a. 25, 10

b. 4, 9

c. 14, 9

d. 36, 9

Answer 30.:

30. D Let sons age = x years. Then fathers age = (45 - x)years. (x—5)(45—x—5) = 4(45- x - 5) hence (x—5) = 4 so x = 9 Their ages are 36 years and 9 years.