

ABOUT THE BOOK

This book is written in simple language making understanding easy. The questions are compiled to cover-up all problems of the concerned topics in shape of notes and intends to work as a text –book. It will help students to understand the basic concepts involved, learn & implement techniques, manage time factor with a view to learn it in the entrance examination The authors has put hard work to compile the materials relevant to the problems which students face. The book is an excellent guide for post SLC students.

Any suggestion regarding for the improvement of this book will be appreciated.

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1. Find the odd man out.
(a) Thames (b) Danube
(c) Amazon (d) Baikal
Answer: option (d)
2. Spot the stranger
(a) William Shakespeare (b) Adolf Hitler
(c) Napoleon Bonapart (d) Winston Churchill
Answer: option (a)
3. Which word does not belong to the group?
(a) Roger Federer (b) Rafal Nadal
(c) Maria Sarapova (d) Andre Agassi
Answer: option (c)
4. Find the odd man out.
(a) Heart (b) Lever
(c) Lungs (d) Eye
Answer: option (d)
5. Spot the stranger.
(a) Physics (b) Electromagnetism
(c) Optics (d) Joule
Answer: option (d)
6. Which word does not belong to the group?
(a) Ramayan (b) Quoran
(c) Bible (d) Jesus
Answer: option (d)
7. Find the odd man out.
(a) SAARC (b) ECOWAS
(c) EU (d) UN
Answer: option (d)
8. Spot the stranger.
(a) Democracy (b) Communism
(c) Republic (d) Socialism
Answer: option (a)
9. Which word does not belong to the group?
(a) Air Marshal (b) General
(c) Admiral (d) Provost Marshal
Answer: option (d)
10. Find the odd man out.
(a) Amitabh Bachan (b) Kamal Hasan

- (c) Amir Khan (d) Amrish Puri
Answer: option (d)
11. Spot the Stranger.
(a) William Shakespeare (b) Homer
(c) Gete (d) Newton
Answer: option (d)
12. Which word does not belong to the group?
(a) Barack Obama (b) Vladimir Putin
(c) Man Mohan Singh (d) Ban Ki Moon
Answer: option (d)
13. Find the odd man out.
(a) Florida (b) Texas
(c) Carlsberg (d) California
Answer: option (c)
14. Spot the Stranger.
(a) Secretary (b) President
(c) Section Officer (d) Accountant
Answer: option (b)
15. Which word does not belong to the group?
(a) FOREX (b) Ngultram
(c) Ringit (d) Dollar
Answer: option (a)
16. Find the odd man out.
(a) Chess (b) Tennis
(c) Volleyball (d) Badminton
Answer: option (a)
17. Find the odd man out.
(a) Good (b) Thin
(c) Discipline (d) Bad (e) Thick
Answer: option (c)
18. spot the stranger.
(a) Up (b) Top
(c) high (d) Above (e) Low
Answer: option (e)
19. Find the odd man out. 3,5,11,14,17,21
(a) 21 (b) 17
(c) 14 (d) 3
Answer: option (c)

20. Find the odd man out. 10,25,45,54,60,75,80

- (a) 10 (b) 45
(c) 54 (d) 75

Answer: option (c)

21. Which word does not belong with the others?

- (a) Parsley (b) Basil
(c) Dill (d) Mayonnaise

Answer: option (d)

22. Which word does not belong with the others?

- (a) inch (b) ounce
(c) centimeter (d) yard

Answer: option (b)

23. Which word does not belong with the others?

- (a) tire (b) steering wheel
(c) engine (d) car

Answer: option (d)

24. Which word does not belong with the others?

- (a) tulip (b) rose
(c) bud (d) daisy

Answer: option (c)

25. Which word does not belong with the others?

- (a) guitar (b) flute
(c) violin (d) cello

Answer: option (b)

26. Find the similarity.

- (a) Everest (b) McKinle
(c) Kanchenjunga (d) Annapurna

Answer: option (Mountains)

27. Find the similarity.

- (a) LBW (b) Ashes
(c) Crease (d) Silly Point

Answer: option (Cricket terms)

28. Find the similarity.

- (a) Hindu (b) Islam
(c) Jain (d) Christian

Answer: option (Religions)

29. Why the following words are similar?

- (a) UNMIL (b) UNIFIL

- (c) MINUSTAH (d) UNMIN

Answer: option (UN peacekeeping missions)

30. Find the similarity.

- (a) Bulbul (b) Robin
(c) Crow (d) Peacock

Answer: option (Birds)

31. Find the similarity.

- (a) 5 (b) 75
(c) 105 (d) 725 (e) 500

Answer: option (all numbers divisible by 5)

32. Find the similarity.

- (a) 99 (b) 65
(c) 87 (d) 10

Answer: option (2 digit number)

33. Find the similarity.

- (a) 24 (b) 68
(c) 8 (d) 100

Answer: option (Even number)

34. Bomi Lake is to Liberia as Victoria Lake is to?.....

- (a) Kenya (b) Congo
(c) Burundi (d) Uganda

Answer: option (d)

35. UNIFIL is to Lebanon as MONUSCO is to ...?.....

- (a) Kenya (b) Cango
(c) Burundi (d) Uganda

Answer: option (b)

36. Diego Maradona is to football as Usain Bolt is to?....

- (a) Volleyball (b) Boxing
(c) Cricket (d) Athletics

Answer: option (d)

37. Bill Clinton is to USA as tony Blair is to?...

- (a) Italy (b) UK
(c) UAE (d) Netherlands

Answer: option (b)

38. Earth is to 365 days as Mercury is to?...

- (a) 225 days (b) 180 days
(c) 88 days (d) 99 days

Answer: option (c)

39. Lena River is to Russia as Yello River is to ...?...
- (a) China (b) Turkey
(c) Tanzania (d) Congo
Answer: option (a)
40. Yard is to inch as Quart is to?....
- (a) gallon (b) ounce
(c) milk (d) liquid
Answer: option (b)
41. Optimist is to cheerful as pessimist is to ...?...
- (a) gloomy (b) mean
(c) petty (d) helpful
Answer: option (a)
42. Window is to Pane as Book is to...?....
- (a) novel (b) glass
(c) cover (d) page
Answer: option (d)
43. Elated is to Despondent as Enlightened is to?....
- (a) aware (b) ignorant
(c) miserable (d) tolerant
Answer: option (b)
44. Careful is to cautious as Boastful is to?....
- (a) arrogant (b) humble
(c) joyful (d) suspicious
Answer: option (a)
45. BEGK:ADFJ::PSVY:?
- (a) ROUX (b) ORUX
(c) LQUT (d) LOQT
Answer: option (b)
46. 3:12::5:?
- (a) 25 (b) 35
(c) 30 (d) 15
Answer: option (c)
47. Select the pair which has the same relationship GRAIN:SALT
- (a) Shard: Pottery (b) Shred: Wood
(c) Blades: Grass (d) Chip : Glass
Answer: option (d)
48. Select the pair which has the same relationship THRUST:SPEAR
- (a) Mangle: Iron (b) Scabbard: Sword

- (c) Bow: Arrow (d) Fence: Epee
Answer: option (d)
49. What comes next? (single series)
A, C, F, K ?
Answer: option (R)
50. Continue the series. (Double Series)
A,B,C,D,F,G,?,?
Answer (J, K)
51. What comes next? (Triple series)
A,D,H,E,H,L,H,L,P, ???
Answer: option (L,P,T)
52. What comes next? (Single series)
Z,X,T,P ?
Answer: option (K)
53. Continue the series (Double Series)
Y, X,V,U,R,R, ??
Answer: option (M, O)
54. What comes next? (Triple Series)
Z,W,X,U,S,U,P,O,R, ???
Answer: option (K,K,O)
55. What comes Next? (Single Series)\
A,C,F,K, ?
Answer: option (R)
56. Find the correct letter for the following series-SCD,TEF,
UGH,_____, WKL
- (a) CMN (b) UJI
(c) VIJ (d) IJT
Answer: option (c)

Explanation:

There are two alphabetical series here. The first series is with the first letters only: STUVW. The second series involves the remaining letters: CD, EF, GH, IJ, KL.

57. Find the correct letters for the following series – QAR, RAS, SAT,
TAU, _____
- (a) UAV (b) UAT
(c) TAS (d) TAT
Answer: option (a)

Explanation:

Ans: Option (A)

- ❖ Join the Parts to make a meaningful Sentence
- (a) Left (b) the (c) house
 (d) he (e) suddenly
 (a) 12435 (b) 21354 (c) 45123
 (D) 52341 (E) 24135

Ans: Option (c)

- ❖ Join the Parts to make a meaningful Sentence
- (a) Of (b) we
 (c) heard (d) Him (e) had
 (a) 42351 (b) 52341 (c) 25341
 (D) 25431 (E) 25314

Ans: Option (E)

- ❖ Join the Parts to make a meaningful Sentence
- (a) Seen (b) going
 (c) you (d) Him (e) have
 (a) 35214 (b) 35142 (c) 32514
 (D) 35124 (E) 53124

Ans: Option (B)

One Word Substitution.

- ❖ Extreme old age when a man behaves like a fool.
- (a) Imbecility (b) Senility
 (c) Dotage (d) Superannuation
- Ans: Option (c)
- ❖ That which cannot be corrected.
- (a) Unintelligent (b) Indelible
 (c) Illegible (d) Incurable
- Ans: Option (d)
- ❖ A Person of good understanding knowledge and reasoning power.
- (a) Expert (b) Intellectual
 (c) Snob (d) Literate
- Ans: Option (b)
- ❖ An actor who plays humorous parts.
- (a) Joker (b) Clown
 (c) Fool (e) Comedian
- Ans: Option (b)

- ❖ A style in which a writer makes a display of his knowledge.
- (a) Pedantic (b) Verbose

- (c) Pompous (d) Ornate

Ans: option (a)

- ❖ One who has little faith in human sincerity and goodness.
- (a) Egoist (b) Fatalist
 (c) Stoic (e) Cynic

Ans: Option (d)

- ❖ Which word comes first in the dictionary?
- (a) Reconnoiter (b) Recondition
 (c) Recondite (d) Reconciliation (e) Reconcile

Ans: Option (e)

- ❖ Which word comes first in the dictionary?
- (a) Social (b) Society
 (c) Sociable (d) Socialism (e) Socialite

Ans: Option (c)

- ❖ Which word comes first in the dictionary?
- (a) Winner (b) Wince
 (c) Winning (d) Win (e) Winceyatte

Ans: Option (d)

Second Word

- ❖ Which word comes second in the dictionary?
- (a) Multifarious (b) Multilateral
 (c) Multilane (d) Multiform (e) Multilingual

Ans: Option (d)

- ❖ Which word comes second in the dictionary?
- (a) Uppish (b) Uppity
 (c) Upon (d) Upright (e) Upper

Ans: Option (e)

- ❖ Which word comes second in the dictionary?
- (a) Potato (b) Potable
 (c) Potash (d) Potation (e) Potassium

Ans: Option (c)

Third Word

- ❖ Which word comes third in the dictionary?
- (a) Legislator (b) Legislative
 (c) Legitimate (d) Legislature (e) Legislate

Ans: Option (a)

- ❖ Which word comes third in the dictionary?
- (a) Hardy (b) Hardly (c) Hardship

- (d) Harden (e) Hardihood

Ans: Option (b)

- ❖ Which word comes third in the dictionary?

- (a) Gratification (b) Gratify
(c) Gratuitous (d) Gratitude (e) Grating

Ans: option (e)

Last Word

- ❖ Which word comes last in the dictionary?

- (a) Encompass (b) Encourage
(c) Encounter (d) Encore (e) Encroach

Ans: Option (e)

- ❖ Which word comes last in the dictionary?

- (a) Gratification (b) Gratify
(c) Grating (d) Gratitude (e) Gratuitous

Ans: Option (c)

Word Formation.

1. Re arrange the letters in NPHAELET to form a name for animal.

Ans: ELEPHANT

2. Re arrange the letters in RICCTEK to form a name for a sport.

Ans: CRICKET

3. Re arrange the letters in ILEBAIR to form a name for a country.

Ans: LIBERIA

Alphabet-Alphabet

If APPLE is coded as BQQMF then code BANANA.

- (a) COBBOB (b) CBOOBB
(c) CBOBOB (d) CBOBBO

Ans: Option (c)

Numerical-Numerical

If 12345 is coded as 54321 then code 678901.

- (a) 109876 (b) 109867
(c) 190876 (d) 109866

Ans: Option (a)

Alphabet- Numerical and Vice – Versa

- ❖ If TIGER is coded as 12345 and BAT is coded as 671 then code GREAT.

- (a) 35417 (b) 35471
(c) 34571 (d) 25471

Ans: Option (b)

- ❖ IF FANTA is coded as 6113201 then decode 182113.

- (a) RUN (b) SUN
(c) RAT (d) RUM

Ans: Option (d)

Relations of paternal side:

1. Father's father- Grandfather
2. Father's mother- Grandmother
3. Father's brother- Uncle
4. Father's sister- Aunt
5. Children of uncle- Cousin
6. Wife of Uncle- Aunt
7. Children of aunt- Cousin
8. Husband of aunt- Uncle

Relations of Maternal side:

1. Mother's father- Maternal grandfather
2. Mother's mother – Maternal grandmother
3. Mother's brother- Maternal uncle
4. Mother's sister – Aunt
5. Children of maternal uncle – Cousin
6. Wife of maternal uncle- Maternal aunt

Relations from one generation to next:

Generation I : Grandfather, grandmother, maternal grandfather, maternal grandmother

Generation II : Mother, father, uncle, aunt. maternal uncle maternal aunt

Generation III : Self, sister, sister-in-law, brother, brother-in-law

Generation IV : Son, daughter, nephew, niece

- ❖ Pointing to a photograph of a boy JOSEPH said, "He is the son of the only son of my mother." How is JESEPH related to that boy?

- (a) Brother (b) Uncle
(c) Cousin (d) Father

Ans: Option (d)

- ❖ Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

- (a) Brother (b) Nephew
(c) Uncle (d) Son-in- law

Ans: Option (a)

- ❖ Pointing towards a man, a woman said, "his mother is the only daughter of my mother." How is the woman related to the man?

(a) Mother (b) Grandmother
(c) Sister (e) Daughter

Ans: Option (a)

- ❖ P is the mother of K; K is the sister of D; who is the father of J. How P related to J?

(a) Mother (b) Grandmother
(c) Aunt (d) Data inadequate

Ans: (b)

- ❖ A's son B is married with C whose sister D is married to E the brother of B. How D is related to A?

(a) Sister (b) Daughter's-in-law
(c) Sister-in-law (d) Cousin

Ans: Option (b)

Height

- ❖ Gauri is taller than Sabita but not then Rita. Rita and Tanoo are of the same height. Gauri is shorter than Anita. Amongst all the girls, who is the shortest?

(a) Anita (b) Rita and Tanoo
(c) Gauri (d) Sabita

Ans: Option (d)

Weight

- ❖ A blacksmith has five iron articles, A, C, C, D and E each having a different weight. (i) A weight twice as much as B. (ii) B weights four and a half times as much as C. (iii) C weights half as much as D. (iv) D weights half as much as E. (v) E weights less than A but more than C. which of the following is the lightest in weight?

(a) A (b) B (c) C
(d) D (e) E

Ans: Option (c)

Level/ Cleverness

- ❖ Child A is less intelligent than the child C and child A is more intelligent than the child E. Which child is the most intelligent?

(a) A (b) B (c) C
(d) D (e) None of these

Ans: Option (c)

- ❖ How many such 5s are there in the following number sequence each of which is immediately preceded by 3 or 4 but not immediately followed by 8 or 9?

3 5 9 5 4 55 3 5 8 4 5 6 7 3 5 7 5 5 4 5 2 3 5 1 0

(a) None (b) Three (c) Four
(d) Five (e) None of these

Ans: Option (d)

- ❖ How many numbers from 1 to 100 are there each of which is not only exactly divisible by 4 but also has 4 as a digit?

(a) 7 (b) 10
(c) 20 (d) 21 (e) More than 21

Ans: Option (a)

- ❖ Manish is fourteenth from the right end in a row of 40 boys. What is the position from the left end?

(a) 24th (b) 25th
(c) 26th (d) 27th

Ans: Option (d)

- ❖ In row of girls, Kalpana is fifth from the left and Pooja sixth from the right. When they exchange their positions, then Kalpana becomes thirteenth from the left. What will be Pooja's position from the right?

(a) 7th (b) 11th
(c) 14th (d) 18th

Ans: Option (c)

- ❖ If the seventh day of a month is three days earlier than Friday, what day will it be on the nineteenth day of the month?

(a) Sunday (b) Monday
(c) Wednesday (d) Friday

Ans: Option (a)

- ❖ If Tuesday falls on the fourth of the month, then which day will fall three days after the 24th?

(a) Monday (b) Tuesday
(c) Thursday (d) Friday

Ans: Option (c)

- ❖ Choose the word that is a necessary part of the underlined word harvest.

(a) Autumn (b) Stockpile
(c) Tractor (d) Crop

Ans: option (d)

- ❖ The problem consists of three statements, based on the first two statements; the third statement may be true, false, or uncertain.

If the first two statements are true, the third statement is

All the trees in the parks are flowering trees.

Some of the trees in the park are dogwoods.

All dogwoods in the park are flowering trees.

- (a) True (b) False (c) Uncertain

Ans: Option (a)

- ❖ The problem consists of three statements. Based on the first two statements, the third statement may be true, false, or uncertain.

Joe is younger than Kathy.

Mark was born after Joe.

Kathy is older than Mark.

If the first two statements are true, the third statement is

- (a) True (b) False (c) uncertain

Ans: Option (a)

Explanation

Joe is younger than Kathy and older than marks, so Marks must be younger than Kathy.

The problem consists of three statements. Based on the first two statements, the third statement may be true, False, or uncertain.

A toothpick is useful

Useful things are valuable

If the first two statements are true, the third statement is

- (a) True (b) False (c) uncertain

Ans: option (a)

Statements: Some flowers are rods. Some rods are doors. Some doors are houses.

Conclusions:

- (a) Some houses are flowers (b) Some doors are flowers
 (c) Some flowers are doors (d) No houses is flower.
 (i) Only either I or II follows (ii) only either I or IV follow
 (c) Only Hand III follow (iv) Only I and Iv follows

Ans: Option (ii)

Statement: some fruits are flowers. No flower is a boat. All boats are rivers.

Councilutions:

- (i) Some fruits are rivers (ii) some rivers are boats
 (iii) Some rivers are Fruits (iv) Some flowers are fruits

- (a) Only I and III follow (b) Only II and III follow
 (c) Only II and IV follow (d) all follow
 (e) None of these

Ans: Option (c)

Statements: All dogs are fruits. No chair is fruit. Some chairs are clowns.

Conclusion:

- (i) Some clowns are dogs (ii) Some chairs are dogs
 (iii) No chair is dog (iv) No dogs is clown.
 (a) None follows (b) Only either I or IV follows
 (c) Only either I or IV, and III follow
 (d) Only either I or IV, and II follow
 (e) Only either II or III follows or either I or IV follows.

Ans; Option (c)

Statements:

All buildings are rains, all papers are building. All dogs are papers.

Conclusions:

- (i) All dogs are rains (ii) Some papers are rains
 (iii) Some rains are buildings (iv) Some rains are papers
 (a) Only I and II follow (b) Only II and III follow
 (c) Only I, II and III follow (d) All follow
 (e) None of them

Ans: Option (e)

Statements:

Some bags are purses. All purses are containers. All containers are suitcases.

Conclusions:

- (i) Some suitcases are bags (ii) All purses are bags
 (iii) All purses are suitcases (iv) some containers are purses
 (a) Only I, II and III follow (b) Only II and III follow
 (c) Only I and II follow (d) Only I II and IV follow
 (e) Only II III and IV follow

Ans: Option (d)

Direction:

Each question consists of a statement followed by two arguments I and II. Give Answer

- (a) If only argument I is strong.
 (b) If only argument II is strong.

- (c) If either I or ii is strong.
- (d) If neither I nor II is strong and
- (e) If both I and Hare strong.

Statement: Should military service be made compulsory in our country?

Arguments:

- (i) No, It is against the policy of non- violence.
- (ii) Yes, Every citizen should protect his country.

Ans; Option (ii)

Statement: is ragging in collages a good practice?

Arguments:

- (i) Yes A sensible ragging helps the collage boys to step into manhood and teaches them to take trifles in a good humor.
- (ii) No, the tortures inflicted in the name of ragging and the humiliation suffered by young boys and girls often go beyond limits.

Ans: Option (e)

Statement: Should only one company be allowed to run to run transport system in any one big city?

Arguments:

- (i) Yes, this will put an end to unhealthy competitions among different companies.
- (ii) No, the commuter should be given a wider choice of transport system.

Ans: Option (b)

Statement:

Should the parents in Nepal be forced to opt for, only one child as against the two many at present?

Arguments:

- (i) Yes, this is the only way to check the ever-increasing population of Nepal.
- (ii) No, this type of pressure tactic is not adopted by any other country in-the world.

Should 'education' be brought under the control of the Nepal Government like Security Forces?

- (i) No, Education is a state subject and it should remain with the state.
- (ii) Yes, This is the only way to established uniformity in growth of education across the states.

Ans: Option (a)

Directions:

In each question a statement is followed by two assumption numbered I and II, consider the statement and decide which of the gives assumptions is implicit.

Statement: who raises from the prayer a better man, his prayer is Answered

Assumptions

- i. Prayer makes a man more humane.
- ii. Prayer atones all of our misdeeds

Ans; Option (d)

Statement: We must settle all the payment due to our suppliant within three working days.

Assumption?

- i. We will always have necessary funds in our account to settle the bills.
- ii. We are capable of verifying and clearing the bills in less than three working days.

Ans: Option (e)

Statement: It is faster to travel by air to Kathmandu from Biratnagar.

Assumptions:

- i. Biratnagar and Kathmandu are connected by air.
- ii. There are no other means of transport available to Kathmandu from Biratnagar.

Ans: Option (a)

Statement: Bank 'A' has announced reduction of half percentage on the interest rate on retail lending with immediate effect.

Assumptions:

- i. Other banks may also reduce the retail lending rates to be in competition.
- ii. Bank 'A' may be able to attract more customs for availing retail loans.

Ans: Option (b)

Statement:

Even with the increase in the number of sugar factories in Nepal, we still continue to import sugar.

- i. The consumption of sugar per capita has increased in Nepal.
- ii. Many of the factories are not in a position to produce sugar to their fullest capacity.

Sol. Clearly, the need to import sugar could be either due to increase in consumption or the inefficient of the factories to produce sugar to their fullest capacity. So, either I or II is implicit.

Hence, the Answer is (c)

Statement:

A large number of employees have gone on a mass casual leave in protest, against the company's new recruitment policy.

Courses of action

- i. The company should immediately withdraw the new recruitment action policy.
- ii. All these employees should immediately be suspended from their service.

Sol. Here, the problem is one of mutual disagreement. So, extreme measures as getting rid of the policy or employees protesting against it, won't help. It can best be solved by finding a middle path via mutual talks.

Thus, neither I nor II follows.

Directions:

In each of the following questions, a statement is given followed by two conclusions numbered I and II.

Give Answer

- a) If only conclusion I follows;
- b) If only conclusion II follows;
- c) If either I or II follows;
- d) If neither I nor II follows; and
- e) If both I and II follows

Statement; Morning walks are good for health.

Conclusions:

- i. All healthy people go for morning walks.
- ii. Evening walks are harmful.

Sol: The statement mentions that morning walks improve health. But this does not mean that all healthy people go for morning walks. So, I does not follow. Also, nothing is mentioned about evening walks in the statement. So, II also does not follow.

Hence, the Answer is (d)

Statement:

Smoking is one of these human weaknesses which tend to test the will power of the smoker to the edge.

Conclusion:

- i. It is very, difficult for the smokers to give up smoking even if they want to do so.
- ii. Human beings have other weaknesses as well.

Ans: option (e)

Statement:

Sealed tenders are invited from competent contractors experienced in executing construction job.

Conclusions:

- i. Tenders are invited only from experienced contractors.
- ii. It is difficult to find competent tenders in construction jobs.

Ans: Option: (a)

Statement:

We follow some of the best effective teaching statement of a professor of Google Institute.

Conclusions;

- i. The Google Institute is one of the leading institutes of the world.
- ii. Whatever is being followed by worlds leading institutes will definitely be good useful.

Ans: Option (b)

Statement:

Mr. Alexander is one of the probable candidates short listed for the post of director General of KIA Institute.

- i. Mr. Alexander will be selected as Director General Of KIA Institute.
- ii. Mr. Alexander will not be selected as Director General of KIA Institute.

Ans; Option (c)

❖ The price of 10 chairs is equal to that of 4 tables. The price of 15 chairs and 2 tables together is Rs. 4000. The total price of 12 chairs and 3 tables is:

- | | |
|--------------|--------------|
| (a) Rs. 3500 | (b) Rs. 3750 |
| (c) Rs. 3840 | (d) Rs. 3900 |

Ans: Option (d)

❖ If $a-d = 3$ and $a^2+b^2=29$, find the value of ab .

- | | |
|--------|--------|
| (a) 10 | (b) 12 |
| (c) 15 | (d) 18 |

Ans: Option (a)

❖ A fires 5 shots to B's 3 but A Kills only once in shorts while B kills once in 2 shorts. When b has missed 27 times, A has killed:

- (a) 30 birds (b) 60 birds
(c) 90 birds (d) 120 birds

Ans : Option (a)

- ❖ A sum of Rs. 1360 has been divided among A, B and C such that A gets $\frac{2}{3}$ of what and gets $\frac{1}{4}$ of what C gets. B's share is:
(a) Rs. 120 (b) Rs 160
(c) Rs 240 (d) Rs 300

Ans: Option (c)

- ❖ Find the greatest number that will divide 43, 91 and 183 so as to leave the same remainder in each case.
(a) 4 (b) 7
(c) 9 (d) 13

Ans: Option (a)

- ❖ The H.C.M of two numbers is 23 and the other two factors of their L.C.M are 13 and 14. The larger of the two numbers is;
(a) 276 (b) 299
(c) 322 (d) 345

Ans: Option (c)

- ❖ Six bells commence tolling together and toll at intervals of 2,4,6,8,10 and 12 seconds respectively. In 30 minutes, how many times do they toll together?
(a) 4 (b) 10
(c) 15 (d) 16

Ans: Option (d)

- ❖ The angle of elevation of the sun, when the length of the shadow of a tree 3 times the height or the tree, is:
(a) 30° (b) 45°
(c) 60° (d) 92°

Ans; Option (a)

- ❖ The angle of elevation of a ladder leaning against a wall is 60° and the foot of the ladder is 4.6 m away from the wall. The length of the ladder is:
(a) 2.3m (b) 4.6m
(c) 7.8m (d) 9.2m

Ans: Option(d)

- ❖ From a point P on a Level ground, the angles of elevation of the top tower is 30° . If the tower is 100 m high, the distance of point P from the foot of the tower is:
(a) 149m (b) 156m

- (c) 173m (d) 200m

Ans: Option (c)

- ❖ A person crosses a 600 m long street in 5 minutes. What is his speed in Km per hour?
(a) 3.6 (b) 7.2
(c) 8.4 (d) 10

Ans: Option (b)

- ❖ An aeroplane covers a certain distance at a speed of 240 km ph in 5 hours. To cover the same distance in $\frac{2}{3}$ hours, it must travel at a speed of :
(a) 300kmph (b) 360kmph
(c) 600kmph (d) 720kmph

Ans: Option (d)

- ❖ If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20km more. The actual distance traveled by him is:
(a) 50km (b) 56km
(c) 70km (d) 80km

Ans: Option (a)

- ❖ Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?
(a) 9 (b) 10
(c) 12 (d) 20

Ans: Option (b)

- ❖ A man completes a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. find the total journey in km.
(a) 220 km (b) 224km
(c) 230km (d) 234 km

Ans: Option (b)

- ❖ The sum of age's of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?
(a) 4 years (b) 8 years
(c) 10 years (d) 6 years

Ans: Option (a)

- ❖ A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:
(a) 14 years (b) 19 years
(c) 33years (d) 38 years

Ans: option (a)

- ❖ A is two years older than b who is twice as old as (c) if the total of the ages of A, B and c be 27, the how old is B?

(a) 7 (b) 8
(c) 9 (d) 10

Ans: Option (d)

- ❖ 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) 14years (b) 18years
(c) 20 years (d) 22years

Ans: Option (d)

- ❖ The sum of the present ages of a father and his son is 60 years. Six years ago, father's age was five times this ages of the son. After 6 years, son's age will be:

(a) 12years (b) 14 years
(c) 18 years (d) 20 years

Ans: Option (d)

- ❖ A and B invest in a business in the ratio3:2. IF 5% of the total profit goes to charity and A's share is Rs. 855, the total profit is.

(a) Rs. 1425 (b) Rs. 1500
(c) Rs. 1537.50 (d) Rs. 1576

Ans: option (b)

- ❖ A, B, C subscribe Rs. 50000 for a business. A subscribes Rs. 4000 more than B and B Rs. 5000 more than C out of a total profit of Rs. 35000, A receives:

(a) Rs. 8400 (b) Rs. 11,900
(c) Rs. 13,600 (d) Rs, 14,700

Ans; Option (d)

- ❖ A and B entered into partnership with capitals in the ratio 4:5, after 3 months A withdrew $\frac{1}{4}$ of his capital and B withdrew $\frac{1}{5}$ of his capital. The gain at the end of 10 months was rs. 760. A's share in this profit is:

(a) Rs. 330 (b) Rs. 360
(c) Rs. 380 (d) Rs. 430

Ans: Option (a)

- ❖ In the first 10 over of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 over to reach the target of 282 runs?

(a) 6.25 (b) 6.5
(c) 6.75 (d) 7

- ❖ A family consists of grandparents, parents and three grandchildren, the average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?

(a) $28\frac{4}{7}$ (b) $31\frac{5}{7}$
(c) $32\frac{1}{7}$ (d) None of these

Ans: Option (b)

- ❖ The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?

(a) 0 (b) 1
(c) 10 (d) 19

Ans: Option (d)

Explanation:

Average of 20 numbers = 0

Sum of 20 numbers $(0 \times 20) = 0$

- ❖ It is quit possible that 19 of these numbers may be positive and if their sum is a then 20th number is (-a).

- ❖ Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is:

(a) 2:5 (b) 3:5
(c) 4:5 (d) 6:7

Ans: Option (c)

- ❖ A Sum of money is to be distributed among A, B, C, D in the proportion of 5:2:4:3. If C gets Rs. 1000 more than D, what is B's share?

(a) Rs, 500 (b) Rs. 1500
(c) Rs. 2000 (d) None of these

Ans: Option (c)

- ❖ In a mixture 60 liters, the ratio of milk and water 2:1. If this ratio is to be 1:2, then quantity of water to be further added is:

(a) 20 liters (b) 30 liters
(c) 40 liters (d) 60 liters

Ans: Option (d)

- ❖ Two numbers are in the ratio 3:5, if 9 are subtracted from each the new numbers are in the ratio 12:23. The smaller number is:

(a) 27 (b) 33
(c) 49 (d) 55

Ans: Option (b)

- ❖ 4 men and 6 women can complete a work in 8 days, while 3 men and 7 women can complete it in 10 days. In how many days will 10 women complete it:
 (a) 35 (b) 40
 (d) 45 (d) 50
Ans: Option (b)
- ❖ A, B and C can do a piece of work in 20, 30 and 60 days respectively. In how many days can A do the work if he is assisted by B and C on every third day?
 (a) 12 days (b) 15 days
 (d) 16 days (d) 18 days
Ans: Option (b)
- ❖ A can finish a work a in 24 days, B in 9 days and C in 12 days, B and C start the work but are forced to leave after 3 days. The remaining work was done by A in:
 (a) 5 days (b) 6 days
 (c) 10 days (d) 101/2 days
Ans: Option (c)
- ❖ A sum fetched a total simple interest of Rs. 4016.25 at the rate of 9 p.c.p.a. in 5 years. What is the sum?
 (a) Rs. 4462.50 (b) Rs. 8032.50
 (c) Rs. 8900 (d) Rs. 8925
Ans: Option (d)
- ❖ How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?
 (a) 3.5 years (b) 4 years
 (c) 4.5 years (d) 5 years
Ans: Option (b)
- ❖ The different between simple and compound interests compounded annually on a certain sum of money for 2 years at 4% per annum is Rs. 1 the sum (in Rs) is:
 (a) 625 (b) 630
 (c) 640 (d) 650
Ans: Option (a)
- ❖ There is 60% increase in an amount in 6 year at simple interest of Rs. 12,000 after 3 years at the same rate?
 (a) Rs. 2160 (b) Rs. 3120
 (c) Rs. 3972 (d) Rs. 6240
Ans: option (c)

- ❖ The least number of complete years in with a sum of money put out at 20% compound interest will be than doubled is:
 (a) 3 (b) 4
 (c) 5 (d) 6
Ans: Option (b)
- ❖ The ratio between the length and the breath of a rectangular park is 3:2. If a man cycling along the boundary of the park at the speed of 12 km/hr completes one round in 8 minutes, then the area of the park (insq. M) is:
 (a) 15360 (b) 153600
 (c) 30720 (d) 307200
Ans: option (b)
- ❖ The ratio between the perimeter and the breath of a rectangle is 5:1. If area of the rectangle is 216 sqcm, what is the length of the rectangle?
 (a) 16 cm (b) 18cm
 (c) 24cm (d) data inadequate
Ans: Option (b)
- ❖ The percentage increase in the area of a rectangle, if each of its sides is increased by 20% is:
 (a) 40% (b) 42%
 (d) 44% (d) 46%
Ans: Option (c)
- ❖ A rectangular park 60m long and 40 m wide has two concrete crossroads running in the middle of the park and rest of the party has been used as a lawn. If the area of the lawn is 2109 sq.m then what is the width of the road?
 (a) 2.91 m (b) 3m
 (d) 5.82m (d) None of these
Ans: Option (b)
- ❖ The length of a rectangular plot is 20 meters more than its breath. If the cost of fencing the plot @ 26.50 per meter is Rs. 5300, what is the length of the plot in meters?
 (a) 40 (b) 50
 (c) 120 (d) 60
Ans: option (e)

Explanation:

Let breath = x meter

Then, length = (x + 20) meters

$$\text{Perimeter} = \left(\frac{5300}{26.50}\right) \text{m} = 200\text{m}$$

Hence, length = $x + 20 = 60\text{m}$

- ❖ In a shower, 5 cm of rain falls. The volume of water that falls on 1.5 hectares of ground is:
 (a) 75cu.m (b) 750 cu. m
 (c) 7500cu.m (d) 75000cu.m
Ans: Option (b)
- ❖ A hall is 15 m long and 12m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is:
 (a) 720 (b) 900
 (c) 1200 (d) 1800
Ans: Option (c)
- ❖ 66 cubic centimeters of silver is drawn into a wire 1 mm in diameter. The length of the wire in meters will be;
 (a) 84 (b) 90
 (c) 168 (d) 336
Ans: Option (a)
- ❖ A boat having a length 3m and 2 m is floating on a lake. The boat sinks by 1 cm when a man gets on it. The mass of the man is:
 (a) 12 kg (b) 60 kg
 (d) 72 kg (d) 96 kg
Ans: option (b)
- ❖ Which one of the following is not a prime number?
 (a) 31 (b) 61
 (c) 71 (d) 91
Ans: Option (d)
- ❖ What least number must be added to 1056, so that the sum is completely divisible by 23?
 (a) 2 (b) 3
 (c) 18 (d) 21
Ans: Option (a)
- ❖ How many of the following numbers are divisible by 132?
 264,396,462,792,968,2178,5184,6336
 (a) 4 (b) 5
 (c) 6 (d) 7
Ans: Option (a)
- ❖ Which natural number is nearest to 8485, which is completely divisible by 75?
 (a) 8475 (b) 8500

- (c) 8550 (d) 8525
Ans: Option (a)
- ❖ $397 \times 397 + 104 \times 104 + 2 \times 397 \times 104 = ?$
 (a) 250001 (b) 251001
 (c) 260101 (d) 261001
Ans: Option (b)
- ❖ If one-third of one-fourth of a number is 15, then three-tenth of that number is:
 (a) 35 (b) 36
 (c) 45 (d) 54
Ans: Option (d)
- ❖ A two-digit number is such that the product of the digit is 8. when 18 is added to the number, then the digits are reversed. The number is;
 (a) 18 (b) 24
 (c) 42 (d) 81
Ans: Option (b)
- ❖ What decimal of an hour is a second?
 (a) .0025 (b) .0256
 (c) .00027 (d) .000126
Ans: Option (c)
- ❖ The value of $0.1 \times 0.1 \times 0.1 + 0.02 \times 0.02 \times 0.02$
 $0.2 \times 0.2 \times 0.2 + 0.04 \times 0.04 \times 0.04$ is:
 (a) 0.0125 (b) 0.125
 (c) 0.25 (d) 0.5
Ans: Option (b)
- ❖ When 0.232323..... is converted into a fraction, then the result is:
 (a) $1/5$ (b) $2/9$
 (c) $23/99$ (d) $23/100$
Ans: Option (c)
- ❖ The expression $(11.98 \times 11.98 + 11.98 + 0.02 \times 0.02)$ will be a perfect square for x equal to:
 (a) 0.02 (b) 0.2
 (c) 0.04 (d) 0.4
Ans: Option (c)
- ❖ Which of the following fractions is greater than $3/4$ and less than $5/6$?
 (a) $\frac{1}{2}$ (b) $\frac{2}{3}$

- (c) $\frac{4}{5}$ (d) $\frac{9}{10}$

Ans: Option (c)

- ❖ The least among the following is:

- (a) 0.2 (b) $1 \div 0.2$
 (c) 0.2 (d) $(0.2)2$

Ans: Option (d)

- ❖ 4.36 divided by 0.04 gives:

- (a) 1.009 (b) 10.09
 (c) 100.9 (d) None of these

Ans: Option (c)

- ❖ 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

Ans: Option (c)

- ❖ If 20% of a = b, then b% of 20 is the same as:

- (a) 4% of a (d) 5% of a
 (c) 20% of a (d) none of these

Ans: Option (a)

- ❖ The population a town increase from 1, 75,000 to 2,62,500 in a decade. The average percent increases of population per year are:

- (a) 4.37% (b) 5%
 (c) 6% (d) 8.75%

Ans: Option (b)

- ❖ Three unbiased coins are tossed. What is the probability of getting at most two heads?

- (a) $\frac{3}{4}$ (b) $\frac{1}{4}$
 (c) $\frac{3}{8}$ (d) $\frac{7}{8}$

Ans: option (d)

- ❖ What is the probability of getting a sum 9 from two throws of a dice?

- (a) $\frac{1}{6}$ (b) $\frac{1}{8}$
 (c) $\frac{1}{9}$ (d) $\frac{1}{12}$

Ans: Option (c)

- ❖ Tickets numbered 1 to 20 are mixed up and than a ticket is draw at random. What is the probability that the ticket draw has a number which is a multiple 3 or 5?

- (a) $\frac{1}{2}$ (b) $\frac{2}{5}$
 (c) $\frac{8}{15}$ (d) $\frac{9}{20}$

Ans: option (d)

- ❖ A bag contains 2 red, 3 green and 2 blue balls. Two balls are draw at random. What is the probability that none of the balls drawn is blue?

- (a) 10/21 (b) 11/21
 (c) 2/7 (d) 5/7

Ans: Option (a)

- ❖ In how many ways can 21 books on English and 19 books on Hindi be placed in a raw on a shelf so that two books on Hindi may not be together?

- (a) 3990 (b) 1540
 (c) 1995 (d) 3672

Ans: option (b)

- ❖ In how many different ways can the letters of the word 'LEAFDING' be arranged in such a way that the vowels always come together?

- (a) 360 (b) 480
 (c) 720 (d) 5040

Ans: Option (c)

- ❖ From a group of 7 men and 6 women, five persons are to be selected to from a committee so that at least 3 men are there on the committee. In how many ways it be done?

- (a) 564 (b) 645
 (c) 735 (d) 756

Ans: Option (d)

- ❖ An accurate clock shows 8 o' clock in the morning. Through how may degree will the hour hand rotate when the clock shows 2 o'clock in the afternoon?

- (a) 144o (b) 150o
 (c) 168o (d) 180o

Ans: Option (d)

- ❖ The reflex angle between the hands of a clock at 10.25 is:

- (a) 180° (b) 191/22°
 (c) 195° (d) 191/72°

Ans: Option (d)

- ❖ How many times are the hands of a clock at right angle in a day?
 (a) 22 (b) 24
 (c) 44 (d) 48

Ans: Option (c)

- ❖ How many times in a day, are the hands of a clock in straight line but opposite in direction?
 (a) 20 (b) 22
 (c) 24 (d) 48

Ans: option (b)

Explanation:

- ❖ The hands of a clock point in opposite directions (in the same straight line) 11 times in every 12 hours. (Because between 5 and 7 they point in opposite directions at 6 o' clock only)
 So, in a day, the hands point in the opposite directions 2 times.
- ❖ train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?
 (a) 120 meters (b) 180 meters
 (c) 324 meters (d) 150 meters
 Ans: option (d)
- ❖ The length of the bridge, which a train 130 meters long and traveling at 45 km/hr can cross in 30 seconds, is:
 (a) 200m (b) 225m
 (c) 245m (d) 250m
 Ans: Option (c)
- ❖ Two trains running in opposite directions cross a man standing on the platform in 27 seconds and 17 seconds respectively and they cross each in 23 seconds. The ratio of their speeds is:
 (a) 1:3 (b) 3:2
 (c) 3:4 (d) None of these
 Ans: Option (b)
- ❖ A train 240m long passes a pole in 24 seconds. How long will take to pass a platform 650 m long.
 (a) 65sec (b) 89sec
 (c) 100sec (d) 150 sec
 Ans : Option (b)
- ❖ A train speeds past a pole in 15 seconds and a platform 100m long in 25 seconds. Its length is:
 (a) 50m (b) 150m
 (c) 200m (d) Data inadequate

Ans: Option (b)

Explanation:

Let the length train be x meters and its speed by y m / sec.

$$\text{Then, } \frac{x}{y} = 15 = y = \frac{x}{15}$$

$$x \frac{100}{25} = \frac{x}{15}$$

$$= 15(x+100) = 25x$$

$$= 15x+1500 = 25x$$

$$= 1500 = 10x$$

$$= x = 150\text{m.}$$

- ❖ 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work.
 (a) 10 (b) 13
 (c) 14 (d) 15
 Ans: Option (b)
- ❖ If a quarter kg of potato costs 60 paise, how many paise will 200 gm cost?
 (a) 48 Paise (b) 54 paise
 (c) 56 Paise (d) 72 paise
 Ans: option (a)
- ❖ If 7 spiders make 7 webs in 7 days 1 spider will make 1 web in how many days?
 (a) 1 (b) 7/2
 (c) 7 (d) 49
 Ans: Option (c)
- ❖ 36 men can complete a piece of in 18 days. In how many days will 27 men complete the same work?
 (a) 12 (b) 18
 (c) 22 (d) 24
 Ans: Option (d)
- ❖ If $\log 2 = 0.3010$ and $\log 3 = 0.4771$, the value of $\log_5 512$ is:
 (a) 2.870 (b) 2.967
 (c) 3.876 (d) 3.912
 Ans: option (c)

Explanation;

$$\text{Log}_5 512 = \log_5 12$$

$$\begin{aligned} & \text{Log}_5 \\ & \text{Log}_{2/9} \\ & = \log\left(\frac{10}{2}\right) \end{aligned}$$

$$\begin{aligned} & 9 \log 2 \\ & = \text{Log } 10 - \log 2 \\ & = (9 \times 0.3010) \\ & = 1 - 0.3010 \\ & = 2.709 \\ & = 0.699 \\ & = 2709 \\ & = 699 \\ & 3.876 \end{aligned}$$

- ❖ If $\log 27 = 1.431$, then the value of $\log 9$ is:
 (a) 0.934 (b) 0.945
 (c) 0.954 (d) 0.958
Ans: Option (c)
- ❖ If $\log_{10} 2 = 0.3010$, the value of $\log_{10} 80$ is:
 (a) 1.6020 (b) 1.9030
 (c) 3.9030 (d) None of these
Ans: Option (b)
- ❖ If $\log_{10} 2 = 0.3010$, then $\log_2 10$ equal to
 (a) $699/301$ (b) $1000/301$
 (c) 0.3010 (d) 0.6990
Ans: Option (b)
- ❖ A boat can travel; with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream.
 (a) 2 hours (b) 3 hours
 (c) 4 hours (d) 5 hours
Ans: Option (c)
- ❖ A man's speed with the current is 15 km/hr and the speed of the current is 2.5 km/hr. the man's speed against the current is:
 (a) 8.5 km/hr (b) 9 km/hr
 (c) 10 km/hr (d) 12.5 km/hr
Ans: option (c)
- ❖ In one hour, a boat goes 11 km/hr along the stream and 5 km/hr against the stream. The speed of the boat in still water (in km/hr) is:
 (a) 3 km/hr (b) 5 km/hr

- (c) 8 km/hr (d) 9 km/hr

Ans: Option (c)

- ❖ The speed of a boat in still water is 15 km/hr and the rate of current is 3 km/hr. the distance traveled downstream in 12 minutes is:
 (a) 1.2 km (b) 1.8 km
 (c) 2.4 km (d) 3.6 km

Ans: option (d)

- ❖ A man can row at 5 kmph in still water. If the velocity of current is 1 kmph and it takes him 1 hour to row to a place and come back, how far is the place?
 (a) 2.4 km (b) 2.5 km
 (c) 3 km (d) 3.6 km

Ans: option (a)

- ❖ A and B take part in 100 m race. A runs at 5 kmph. A gives B a start of 89 m and still beats him by 8 seconds. The speed of B is:
 (a) 5.15 kmph (b) 4.14 kmph
 (c) 4.25 kmph (d) 4.4 kmph

Ans: option (b)

- ❖ In a 100m race, A beats B by 10m and C by 13m. In a race of 180 m, B will beat C by:
 (a) 5.4m (b) 4.5m
 (c) 5m (d) 6m

Ans: Option (d)

- ❖ At a game of billiards, A can give B 15 points in 60 and A can give C 20 points in 60. How many points can B give C in a game of 90?
 (a) 30 points (b) 20 points
 (c) 10 points (d) 12 points

Ans: Option (c)

- ❖ In a race of 200m, A can beat B by 31 m and C by 18 m. In a race of 350 m, C will beat B by:
 (a) 22.75m (b) 25m
 (c) 19.5m (d) 74/7 m

Ans: option (b)

- ❖ In 100m race, A covers the distance in 36 seconds and B in 45 seconds. In this race A beats B by:
 (a) 20m (b) 25m
 (c) 22.5m (d) 9m

Ans: option (a)

Explanation:

- ❖ Distance covered by B in 9 sec. = $100/45 \times 9 \text{ m} = 20\text{m}$
A beats B 20 meters.
The banker's discount on Rs. 1600 at 15% per annum is the same as true discount on Rs. 1680 for the same time and at the same. The time is:
- (a) 3 months (b) 4 months
(c) 6 months (d) 8 months
- Ans: Option (b)*
- ❖ The banker's gain on a sum due 3 years hence at 12% per annum is Rs. 270. The banker's discounts:
- (a) Rs. 960 (b) Rs. 840
(c) Rs. 1020 (d) Rs. 760
- Ans: Option (c)*
- ❖ The present worth of a certain bill due sometime hence is Rs. 800 and the true discount is Rs. 36. The banker's discount is:
- (a) Rs. 37 (b) Rs. 37.62
(c) Rs. 34.38 (d) Rs. 38.98
- Ans: Option (b)*
- ❖ A vessel is filled with liquid, 3 parts of which are and 5 parts syrup. How much of the mixture must be draw off and replaced with water so that the mixture may be half water and half syrup?
- (a) $\frac{1}{3}$ (b) $\frac{1}{4}$
(c) $\frac{1}{5}$ (d) $\frac{1}{7}$
- Ans: Option (c)*
- ❖ In what ratio must a grocer mix two varieties of pulses costing Rs. 15 and Rs. 20 per kg respectively so as to get a mixture worth Rs. 16.50 kg?
- (a) 3:7 (b) 5:7
(c) 7:3 (d) 7:5
- Ans: Option (c)*
- ❖ Find the ratio in which rice at Rs. 7.20 a kg is mixed with rice at Rs 5.70 a kg to produce a mixture worth Rs. 6.30 kg.
- (a) 1:3 (b) 2:3
(c) 3:4 (d) 4:5
- Ans: option (b)*

Explanation:

- ❖ By the rule of allegation:
Cost of 1 kg of 1st kind cost of 1 kg of 2nd kind
720p/60 Mean price/630p 570p90
 \therefore Required ratio = 60:90 = 2:3
- ❖ The sum of ages of 5 children born at the interval of 3 years each is 50 years. What is the age of the youngest child?
- (a) 4 years (b) 8 years
(c) 10 years (d) 6 years
- Ans: option (a)*
- ❖ Today is Monday. After 61 days, it will be
- (a) Friday (b) Monday
(c) Wednesday (d) Saturday
- Ans: Option (d)*
- ❖ Which word comes seconds in dictionary?
- (a) PRESS (b) PRESET (c) PRESENCE
(d) PRESIDE (e) PRESERVE (f) PRESENT
- Ans: Option (f)*