



## Reasoning Model Practice Questions for RRB Loco Pilot (ALP) Examination

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**1. A statement followed by two assumptions I & II is given. Which one of the four given alternatives is correct ?**

Statement : Imprisonment for 27 years made Nelson Mandela The President.

**Assumptions :**

- I. One who will be imprisoned for 27 years will become The President
- II. To become The President imprisonment is a qualification.

- (a) Only I is implicit.
- (b) Only II is implicit.
- (c) Both I & II are implicit.
- (d) Neither I nor II is implicit.

**2. From the given alternative words, select the word which cannot be formed using the letters of the given word.**

CONVERSATION

- (a) Nation
- (b) Version
- (c) Station
- (d) Reason

**3. A word is given in capital letters. It is followed by four words. Out of these four words, three cannot be formed from the letters of the word in capital letters. Point out the word which can be formed from the letters of the given word in capital letters.**

**PREMONITION**

- (a) ACTION
- (b) NATION
- (c) MONITOR
- (d) REMOVE

**4. If A = 1, FAT = 27,**

then FAITH = ?

- (a) 44
- (b) 42
- (c) 41
- (d) 40

**5. If the word 'STOVE' can be written as 'FNBLK, how can the word 'VOTES' be written in that code?**

- (a) LBNKF
- (b) LNBKF
- (c) LKNBF
- (d) FLKBN

**6. If 'PAPER' is written as 'OZODQ', how 'PENCIL' can be written in that code ?**

- (a) QFODJM
- (b) OFOBHM
- (c) ODMDJM
- (d) ODMBHK

**7. There are five friends-S, K, M, A, R. S is shorter than K, but taller than R. M is the tallest. A is a little shorter than K and little taller than S. Who has two persons taller and two persons shorter than him ?**

- (a) R
- (b) S
- (c) K
- (d) A

**8. Rajiv is the brother of Atul. Sonia is the sister of Sunil. Atul is the son of Sonia. How is Rajiv related to Sonia ?**

- (a) Nephew
- (b) Son
- (c) Brother
- (d) Father

**9. Of the five members of a panel sitting in a row, A is to the left of B, but on the right of C, D is on the right of B but is on the left of E. Find the member who is sitting in the middle.**

- (a) B
- (b) D
- (c) A
- (d) C

**10. There are some boys and dogs at a place. If total number of heads is 7 and total number of legs is 20, how many boys and how many dogs are there?**

- (a) 2 boys and 5 dogs
- (b) 3 boys and 4 dogs
- (c) 4 boys and 3 dogs
- (d) 5 boys and 2 dogs

**Answer: 1. (d) 2. (c) 3. (c) 4. (a) 5. (a) 6. (d) 7. (d) 8. (b) 9. (a) 10. (c)**

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**1. P, Q & R are educated, P, R & S are hard working, R, S & T are employed, P, Q, S & T are polite. Who is educated, hardworking, polite but not employed ?**

- (a) P
- (b) Q
- (c) R
- (d) T

**2. Rama travels 10 km towards the north, turns left and travels 4 km and then again turns right and covers another 5 km and then turns right and travels another 4 km. How far is he from the starting point ?**

- (a) 5 km.
- (b) 10 km.
- (c) 15 km.
- (d) 19 km.

**3. A man starts from a point, walks 2 km towards north, turns towards his right and walks 2 km, turns right again and walks. What is the direction now he is facing ?**

- (a) South
- (b) East
- (c) North
- (d) West

**4. Mother : Child :: Cloud : ?**

- (a) Shine
- (b) Water
- (c) Rain
- (d) Weather

**5. Mountain : Hill :: Tree : ?**

- (a) Forest
- (b) Shrub
- (c) Leaf
- (d) Ground

**6. ADBC : WZXY :: EHFG : ?**

- (a) STUV
- (b) TUSV
- (c) STVU
- (d) SVTU

**7. JLNP : OMKI :: SUWY : ?**

- (a) MLKJ
- (b) PLHD
- (c) XVTR
- (d) FGHI

**8. 42 : 56 :: 72 : ?**

- (a) 81
- (b) 90
- (c) 92
- (d) 100

**9. 3265 : 4376 :: 4673 : ?**

- (a) 2154
- (b) 5487
- (c) 3562
- (d) 5784

**10. INTEGRAL**

- (a) ENTREATY
- (b) TRIANGLE
- (c) RELATING
- (d) ALERTING

**Answer: 1. (a) 2. (c) 3. (a) 4. (b) 5. (d) 6. (d) 7. (c) 8. (b) 9. (d) 10. (a)**

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**1.RAPPROCHEMENT**

- (a) REPRESENT
- (b) REPROACH
- (c) PHANTOM
- (d) CEMENT

2. In a code language the following alphabets are coded in a particular way

A	B	C	D	E	M	N	O	S	R	U
□	△	▭	▮	λ	∧	P	/	⊥	⊥	⊥

Which word can be decoded from the following?



- (a) BOUND
- (b) BONUS
- (c) BUNCH
- (d) BOARD

3. If PALE is coded as 2134, EARTH is coded as 41590, how is PEARL coded in that code?

- (a) 29530
- (b) 24153
- (c) 25413
- (d) 25430

4. (a) 64-8

- (b) 80-9
- (c) 7-49
- (d) 36-6

5. Given set : 63, 49, 35

- (a) 81, 63, 45
- (b) 64, 40, 28
- (c) 72, 40, 24
- (d) 72, 48, 24

**Directions (6-9):** In each of the following questions, a series is given, with one/two term(s) missing. Choose the correct alternative from the given ones that will complete the series.

6.   ?    DREQ, GUHT, JXKW

- (a) EFRS
- (b) TGSE
- (c) JWVI
- (d) AOBN

7. 56, 90, 132, 184, 248,   ?   

- (a) 368
- (b) 316
- (c) 362
- (d) 326

8. 0, 4, 8, 24, 64, 176,   ?   

- (a) 180
- (b) 480
- (c) 280
- (d) 300

9. WTPMIFB   ?      ?   

- (a) ZV
- (b) XU
- (c) YU
- (d) YV

10. If CONSCIOUSLY is written as PEBNPJEXNKM, then SOIL is written as

- (a) NEKJ
- (b) NEJK
- (b) JENK
- (d) ENJK

**Answer: 1. (a) 2. (d) 3. (b) 4. (c) 5. (b) 6. (d) 7. (d) 8. (d) 9. (c) 10. (b)**

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**Directions (1-9):** In each of the following questions select the related letters/word/number from the given alternatives.

**1. CFIL : ORUX :: GDJM : ?**

- (a) HJLN
- (b) NQST
- (c) PSVY
- (d) RTVX

**2. BEHK : YVSP :: DGJM : ?**

- (a) JGDA
- (b) ROLI
- (c) WTQN
- (d) ZWTQ

**3. 24 : 60 :: 120 : ?**

- (a) 160
- (b) 220
- (c) 300
- (d) 108

**4. 392 : 28 :: 722 : ?**

- (a) 18
- (b) 28
- (c) 38
- (d) 48

**5. 123 : 36 :: 221 : ?**

- (a) 52
- (b) 69
- (c) 72
- (d) 25

**6. Timid : Ass :: Cunning : ?**

- (a) Ant
- (b) Fox
- (c) Rabbit
- (d) Horse

**7. Ecstasy : Gloom :: ?**

- (a) Congratulations : Occasion
- (b) Diligent : Successful
- (c) Measure : Scale
- (d) Humiliation : Exaltation

**8. Architect : Building :: Sculptor : ?**

- (a) Museum
- (b) Stone
- (c) Chisel
- (d) Statue

**9. MKQO : LNPR :: ? XVTZ**

- (a) YSUW
- (b) SVWY
- (c) VTWY
- (d) WYTS

**10. Find the odd number/letters/word from the given alternatives.**

- (a) PQXZ
- (b) BCQN
- (c) ABDF
- (d) MNPR

**Answer: 1. (c) 2. (c) 3. (c) 4. (c) 5. (d) 6. (b) 7. (d) 8. (d) 9. (a)  
10. (b)**

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**Directions (1-5):** In each of the following questions, find the odd number/letters/word from the given alternatives.

- 1.** (a) ABYZ  
(b) CDWX  
(c) EFUV  
(d) GHTV

- 2.** (a) 626  
(b) 841  
(c) 962  
(d) 1090

- 3.** (a) 5720  
(b) 6710  
(c) 2640

(d) 4270

4. (a) Swimming  
(b) Sailing  
(c) Diving  
(d) Driving

5. (a) Perception  
(b) Discernment  
(c) Penetration  
(d) Insinuation

**6. In the following question from among the given alternative select the one in which the set of numbers is most like the set of number given in the questions.**

Give Set: (4, 25, 81)

- (a) (4, 36, 79)  
(b) (9, 48, 81)  
(c) (16, 64, 100)  
(d) (9, 49, 143)

**7. In the following question, number of letters are skipped in between by a particular rule. Which of the following series observes the rule?**

- (a) BAFHTU  
(b) ACEGJL  
(c) ACFJOU  
(d) ADFHJL

**8. In the following question, which one of the given response would be a meaningful order of the following?**

- (a) Ocean  
(b) Rivulet  
(c) Sea  
(d) Glacier  
(e) River

- (a) 5,2,3,1,4  
(b) 4,2,5,3,1  
(c) 5,2,3,4,1  
(d) 4,2,1,3,5

**9. Arrange the following words as per order in the dictionary.**

- (a) Preposition  
(b) Preperatively

- (c) Preposterous
- (d) Preponderate
- (e) Prepossess

- (a) 2,4,1,5,3
- (b) 1,5,2,4,3
- (c) 5,4,2,3,1
- (d) 4,2,5,1,3

**10. Which one of set of letters when sequentially placed at the gaps in the given letter series shall complete it?**

**Ac \_ cab \_ baca \_ aba \_ aca \_**

- (a) acbcc
- (b) aacbc
- (c) babbb
- (d) bcbba

**Answer: 1. (d) 2. (b) 3. (d) 4. (d) 5. (d) 6. (c) 7. (c) 8. (b) 9. (a) 10. (b)**

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**Directions (1-4) :** In each of the following questions, a series is given, with one/two term(s) missing. Choose the correct alternative from the given ones that will complete the series.

**1. \_ ? \_ DREQ, GUHT, JXKW**

- (a) EFRS
- (b) TGSE
- (c) JWVI
- (d) AOBN

**2. 56, 90, 132, 184, 248, \_\_ ? \_\_**

- (a) 368
- (b) 316
- (c) 362
- (d) 326

**3. 0, 4, 8, 24, 64, 176, \_\_ ? \_\_**

- (a) 180
- (b) 480
- (c) 280
- (d) 300

4. WTPMIFB \_\_?\_\_ \_\_?\_\_

- (a) ZV
- (b) XU
- (c) YU
- (d) YV

5. From the given alternatives, find the word which cannot be formed from the letters used in the given word.

INSTITUTIONALISE

- (a) NATRITION
- (b) INTUITION
- (c) TUITION
- (d) INSULATION

6. If CONSCIOUSLY is written as PEBNPJEXNKM, then SOIL is written as

- (a) NEKJ
- (b) NEJK
- (b) JENK
- (d) ENJK

7. A conclusion followed by statements I, II and III is given. Which one of the four alternatives is correct ?

**Conclusion:**

Many drug addicts were arrested

**Statements:**

- I. Taking drugs is a crime.
- II. One who commits a crime can be arrested
- III. Many people take drugs regularly.

- (a) All the 3 statements taken together brings to the conclusion.
- (b) Only I and II statements bring to the conclusion.
- (c) Only II and III bring to the conclusion.
- (d) Data is insufficient to draw the conclusion.

8. A statement followed by two assumptions I and II is given. Which one of the four given alternatives is correct ?

**Statement:**

One should not sleep under a tree.

Assumptions:

- I. The falling leaves may spoil our clothes.
- II. Trees give out CO<sub>2</sub> at night which is injurious to health.

- (a) Only I is implicit
- (b) Only II is implicit
- (c) Both I and II are implicit
- (d) Neither I nor II is implicit

**9. A question is followed by two statements I and II. Which one of the four given alternatives is correct ?**

Has Electronic media improved the class room teaching ?

Statements:

- I. Electronic media is multisensory based.
- II. TV lessons supplement the class-room teaching.

- (a) Only I is implicit
- (b) Only II is implicit
- (c) Both I and II are implicit
- (d) Neither I nor II is implicit

**10.** 4    9    2  
      3    5    7  
      8    1    ?

- (a) 9
- (b) 6
- (c) 15
- (d) 14

**Answer: 1. (d) 2. (d) 3. (d) 4. (c) 5. (b) 6. (b) 7. (c) 8. (b) 9. (a) 10. (b)**

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**Direction:** From the given alternatives, find the word which cannot be formed from the letters used in the given word.

**1. INSTITUTIONALISE**

- (a) NATRITION

- (b) INTUITION
- (c) TUITION
- (d) INSULATION

**Direction:** Find the related word/letters/numbers to complete the Analogy.

**2. House : Room :: World : ?**

- (a) Land
- (b) Sun
- (c) Air
- (d) Nation

**3. A D H M : Z W S N : C F J O : ?**

- (a) YVRM
- (b) WTPO
- (c) XWTP
- (d) ZXVT

**4. 5 : 36 :: 6 : ?**

- (a) 48
- (b) 50
- (c) 49
- (d) 56

**5. 456 : 15 :: 789 : ?**

- (a) 15
- (b) 16
- (c) 18
- (d) 24

**6. Which of the following word pair is not related in the same way as 'Returnable' and 'Natural'?**

- (a) Reciprocal and Oracle
- (b) Reconstruct and Counter
- (c) Department and Moderate
- (d) Evaluation and Violent

**Directions:** Find the odd one out from the given alternatives.

- 7.** (a) Pond-Lake  
(b) Pistol-Gun  
(c) Car-Bus  
(d) Church-Monument

8. (a) Insurance  
(b) Provident Fund  
(c) Salary  
(d) Shares

9. (a) AYBZ  
(b) BXCY  
(c) DVEW  
(d) MPON

**10. Find out the pair of number that does not belong to the group for lack of common property.**

- (a) 84,67  
(b) 112,95  
(c) 79,63  
(d) 167,150
- 

**Directions:** From the given alternatives select the one in which the set of numbers is most like the set of numbers given in the question.

Given set: (1,3,7) 34.

- (a) 3, 7, 11  
(b) 13, 17, 29  
(c) 17, 21, 29  
(d) 29, 37, 47

**Directions:** From among the given alternatives select the one in which the set of numbers is most like the set of numbers given in the question.

Given set: (21, 30, 48)

1. (a) (8, 14, 25)  
(b) (9, 18, 36)  
(c) (13, 20, 30)  
(d) (6, 14, 21)

**2. Which one of the given responses would be a meaningful order of the following?**

1. Probation
2. Interview
3. Selection
4. Appointment
5. Advertisement
6. Application

- (a) 5, 6, 4, 2, 3, 1
- (b) 5, 6, 3, 2, 4, 1
- (c) 5, 6, 2, 3, 4, 1
- (d) 6, 5, 4, 2, 3, 1

**Directions:** Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it.

**3.** BE-K-Q; BB-EHH-KNNQQ

- (a) DLEK
- (b) HNEK
- (c) DLCJ
- (d) HNCJ

**Directions:** Find the missing number in the series.

**4.** 1,0,3,2,5,6, ?

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

**5.** 1438, 1429, 1417,1402, ?

- (a) 1378
- (b) 1384
- (c) 1,387
- (d) 1392

**6.** 18, 24, 21, 27, ?, 30, 27

- (a) 33
- (b) 30
- (c) 24
- (d) 21

**7.** 'A' man starts from a point and walks 2km towards North, turns towards his right and walks 2km, turns right again and walks. What is the direction now he is facing?

- (a) South
- (b) South-East
- (c) North
- (d) West

**8.** P is Q's brother. R is Q's mother. S is R's father. T is S's mother. How is P relate to T?

- (a) Grand daughter
- (b) Great grandson
- (c) Grandson
- (d) Grandmother

**9. If ,you are eleventh in a queue staring either end, how many are there in the queue ?**

- (a) Eleven
- (b) Twenty
- (c) Twenty one
- (d) Twenty two

**10. Six toys are quite identical to look at, but only one of them is less in weight. It is to be identified' using the balance minimum number of times. What is that minimum number of using the balance ?**

- (a) Once
- (b) 2 times
- (c) 3 times
- (d) More than 3 times

**Answer: 1. (c) 2. (a) 3. (a) 4. (a) 5. (d) 6. (a) 7. (d) 8. (d) 9. (c) 10. (b)**

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**1. As Lira is related to Italy, so is taka related to which country?**

- (a) Pakistan
- (b) India
- (c) England
- (d) Bangladesh

**2. As soft is related to wax, so is leather related to what ?**

- (a) Plain
- (b) Rough
- (c) Smooth
- (d) Tough

**3. As music is related to tune, so is design related to -**

- (a) Beauty
- (b) Building
- (c) Architecture
- (d) Symmetry

**4. As alphabet is related to letters, similarly necklace is related to what ?**

- (a) Gold
- (b) Beads
- (c) Ornament
- (d) Silver

**5. Paddy : Field :: Steel . ?**

- (a) Iron
- (b) Factory
- (c) Ore
- (d) Mine

**6. Laugh : Joke :: ? : Cracker**

- (a) Fear
- (b) Anger
- (c) Fireball
- (d) Explode

**7. President : India: : King**

- (a) England
- (b) China
- (c) Jordan
- (d) France

**8. Light : Rays: : Sound : ?**

- (a) Audio
- (b) Wave
- (c) Hear
- (d) Visual

**9. PCWL : REXM :: THNY : ‘?’**

- (a) OZPL
- (b) KOVZ
- (c) PMKZ
- (d) VJOZ

**Directions:** Find out the missing letter number in each of the following questions ?

**10. 0, 2, 6, 12, ?, 30. 42**

- (a) 24
- (b) 20
- (c) 21
- (d) 22

**Answer: 1. (d) 2. (d) 3. (d) 4. (b) 5. (b) 6. (d) 7. (a) 8. (b) 9. (d) 10. (b)**

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**Directions:** Find out the missing letter number in each of the following questions ?

**1. 5, 7, 11, 19, 35, 67, ?, 259**

- (a) 130
- (b) 129
- (c) 131
- (d) 140

**2. 3, 7, 15, 31, 63, 127, ?**

- (a) 255
- (b) 260
- (c) 245
- (d) 265

**3. 7, 12, 22, 37, ?, 82, 112, 147**

- (a) 50
- (b) 58
- (c) 57
- (d) 156

**4. -1, 2, 7, ?, 23, 34, 47**

- (a) 13
- (b) 14
- (c) 12
- (d) 15

**5. a-bbc-aab-as-abba**

- (a) cabaa
- (b) bacba
- (c) bbaaa
- (d) aabba

**6. nc-dcn—cddc-n-ddcnn-d**

- (a) cdndc
- (b) dmncc
- (c) dcndd
- (d) nccdn

**Directions:** Identify the odd man out in the following questions.

7. (a) Gupta dynasty  
(b) Nanda dynasty  
(c) Maurya dyasty  
(d) Chola dynasty

8. (a) Vayudoot  
(b) Pushkar  
(c) Indian Airlines  
(d) Air India

9. (a) Andaman-Nicobar  
(b) Puducherry  
(c) Delhi  
(d) Goa

10. (a) Violent  
(b) Blue  
(c) Green  
(d) White

**Answer: 1. (c) 2. (a) 3. (c) 4. (b) 5. (a) 6. (c) 7. (d) 8. (d) 9. (c) 10. (d)**

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**Directions:** Identify the odd man out in the following questions.

1. (a) CRDT  
(b) APBQ  
(c) EUFV  
(d) GWHX

2. (a) Harmless  
(b) Guilty  
(c) Innocent  
(d) Fearless

3. (a) 2

- (b) 5
- (c) 8
- (d) 11

4. (a) 44  
(b) 66  
(c) 132  
(d) 300

5. (a) Diphtheria  
(b) Cataract  
(c) Whooping Cough  
(d) Encephalitis

**Directions:** Find the related word/letters/number to complete the Analogy.

**6. Carbon : Diamond :: Corundum : ?**

- (a) Garnet
- (b) Ruby
- (c) Pukhraj
- (d) Pearl

**7. Smoke : Pollution :: War**

- (a) Victory
- (b) Peace
- (c) Treaty
- (d) Destruction

**8. Ink : Pen :: Blood ?**

- (a) Accident
- (b) Doctor
- (c) Vein
- (d) Donation

**9. BOQD : ERTG :: ANPC : ?**

- (a) DQSF
- (b) FSHU
- (c) SHFU
- (d) DSQF

**10. AFKP : ZUPK :: BGLQ : ?**

- (a) YUQM
- (b) XURO

- (c) YXWV
- (d) YTOJ

**Answer: 1. (a) 2. (b) 3. (c) 4. (d) 5. (b) 6. (b) 7. (d) 8. (c) 9. (a)  
10. (d)**

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**Directions:** Find the related word/letters/number to complete the Analogy.

**1. 182 : ? :: 210 : 380**

- (a) 342
- (b) 272
- (c) 240
- (d) 156

**Directions:** Find the odd one out from the given alternatives.

**2. (a) Mizoram  
(b) Sikkim  
(c) Kohima  
(d) Manipur**

**3. (a) Amoeba  
(b) Bacteria  
(c) Germs  
(d) Microbes**

**4. (a) IJCD  
(b) WUTS  
(c) QRKL  
(d) PQMN**

**5. (a) 8  
(b) 42  
(c) 49  
(d) 35**

**6. (a) 81 : 243  
(b) 16 : 64  
(c) 64 : 192  
(d) 25 : 75**

**Directions:** Which one of the given responses would be a meaningful order of the following?

**7. 1. Book  
2. Pulp**

3. Timber
4. Jungle
5. Paper

- (a) 3, 2, 5, 1, 4
- (b) 2, 5, 1, 4, 3
- (c) 4, 3, 2, 5, 1
- (d) 5, 4, 3, 1, 2

**Directions:** Arrange the following words according to dictionary arrangement.

8. 1. Epitaxy
2. Episode
3. Epigene
4. Epitome
5. Epilogue

- (a) 1, 2, 3, 4, 5
- (b) 3, 5, 2, 1, 4
- (c) 5, 4, 2, 1, 3
- (d) 3, 2, 5, 4, 1

**Directions:** Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

9. — stt — tt — tts —

- (a) tsst
- (b) sstt
- (c) ttst
- (d) tsts

10. Number of letters skipped in between adjacent letters goes on increasing successively by one in the series. Identify the set following the above rule.

- (a) AEIMQU
- (b) EHKNQT
- (c) DINSXC
- (d) FHKOTZ

**Answer: 1. (a) 2. (c) 3. (d) 4. (c) 5. (b) 6. (b) 7. (c) 8. (a) 9. (b) 10. (a)**

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**Directions:** Find the missing number from the given responses.

1

$$\frac{2}{3} \frac{7}{7} \dots \frac{11}{21} \frac{16}{31}$$

(a)  $\frac{6}{11}$

(b)  $\frac{5}{9}$

(c)  $\frac{9}{17}$

(d)  $\frac{7}{13}$

2. 25, 50, 30, 45, 35, 40, ?

(a) 30

(b) 35

(c) 40

(d) 45

3. If '+' stands for division, '÷' stands for multiplication, 'x' stands for subtraction and '-' stands for addition, which one of the following is correct?

(a)  $18 \div 6 - 7 + 5 \times 2 = 20$

(b)  $18 + 6 \div 7 \times 5 - 2 = 18$

(c)  $18 \times 6 \div 7 + 5 - 2 = 16$

(d)  $18 \div 6 \times 7 + 5 - 2 = 22$

4. If '-' stands for division, '+' for multiplication, '÷' for subtraction and 'x' for addition, which one of the following equations is correct?

(a)  $18 \div 3 \times 2 + 8 - 6 = 10$

(b)  $18 - 3 + 2 \times 8 \div 6 = 14$

(c)  $18 - 3 \div 2 \times 8 + 6 = 17$

(d)  $18 \times 3 + 2 \div 8 - 6 = 15$

5. If  $324 \times 150 = 54$ ,  $251 \times 402 = 48$  and  $523 \times 246 = 120$  then  $651 \times 345 = ?$

(a) 120

(b) 85

(c) 144

(d) 60

6. Some equations are solved on the basis of certain system. Find out the correct answer for the unsolved equation on that basis.

If  $12 \times 7 = 408$  and  $9 \times 8 = 207$  then  $13 \times 7 = ?$

(a) 190

(b) 91

(c) 901

(d) 109

**7. If NOIDA is written as STNIF, how MEERUT can be written in that code?**

- (a) QIIVYX
- (b) RJJWZV
- (c) RJJWZY
- (d) RIIVYX

**8. In a certain code FORGET is written as DPPHCU, how would DOCTOR be written in that code?**

- (a) BPAUMS
- (b) BPAUPS
- (c) EMDRPP
- (d) BPARPP

**9. In a certain code DECEMBER is written as ERMBCEDE, in that code which word will be written as ERMBVENO ?**

- (a) SEPTEMBER
- (b) AUGUST
- (c) NOVEMBER
- (d) OCTOBER

**10. If RED is coded as 6720, then how GREEN would be coded?**

- (a) 9207716
- (b) 1677199
- (c) 1677209
- (d) 16717209

**Answer: 1. (b) 2. (c) 3. (b) 4. (a) 5. (a) 6. (d) 7. (a) 8. (d) 9. (d) 10. (c)**

**1. A, B, C, D, E, F & G are sitting in line facing the East. C is immediate right of D. B is at an extreme end and has E as his neighbour. G is between E and F. D is sitting third from the South end. Who are the persons sitting at the extreme ends?**

- (a) A & E
- (b) A & B
- (c) F & B
- (d) C & D

**2. Sita is the niece of Ashok. Ashok's mother is Lakshmi. Kalyani is Lakshmi's mother. Kalyani's husband is Gopal. Parvathi is the mother-in-law of Gopal. How is Sita related to Gopal ?**

- (a) Great grandson's daughter
- (b) Gopal is Sita's father
- (c) Sita is Gopal's great grand daughter
- (d) Grand niece

**3. A is B's sister, C is B's mother, D is C's father, E is D's mother, then how A is related to D ?**

- (a) Grandfather
- (b) Daughter
- (c) Grandmother
- (d) Grand daughter

**4. 'All beggars are poor.'**

**If the above statement is true, which of the following conclusions can be drawn?**

- (a) All those who are poor are beggars.
- (b) If A is rich, then A is not a beggar.
- (c) If A is not rich, then A is not a beggar.
- (d) If A is a beggar, then A is not rich.

**Directions: In the following question, number of letters skipped in between adjacent letters in the series is increased by one. |**

**5. Which of the following series observes the rule ?**

- (a) ACFJN
- (b) ACFJO
- (c) ADFJO
- (d) ACFKO

**6. Which letter represents the Artists who are Doctors and Dancers ?**

- (a) H
- (b) G
- (c) D
- (d) A

**7. Which letters represent the Artists who are neither Scientists nor Doctors ?**

- (a) A & 8
- (b) A & L
- (c) B & G
- (d) L & H

**8. Which letters represent the Artists who are Dancers as well Doctors ?**

- (a) A&D
- (b) G&H
- (c) C & A
- (d) C & D

**9. Which letter represents the Artists who are neither Doctors nor Scientists nor Dancers ?**

- (a) D
- (b) F
- (c) A
- (d) G

**10. Which letter represents the Scientists who are not Artists?**

- (a) B
- (b) D
- (c) L
- (d) F

**Answer: 1. (b) 2. (c) 3. (d) 4. (d) 5. (d) 6. (d) 7. (b) 8. (a) 9. (a) 10. (c)**

**Directions: In question nos. 1 to 6 select the related letters/word/ number/figure from the given alternatives.**

**1. Smoke : Pollution :: War : \_?\_**

- (a) Victory
- (b) Peace
- (c) Treaty
- (d) Destruction

**2. Hour : Second :: Tertiary**

- (a) Ordinary
- (b) Secondary
- (c) Primary
- (d) Intermediary

**3. BEHK : YVSP :: CFIL : ?**

- (a) XVSQ
- (b) XWUT
- (c) XURO
- (d) XUSP

**4. ADHM : ZWSN :: CFJO : ?**

- (a) YVRM
- (b) WSPK
- (c) XWTP
- (d) ZXVT

5.  $5 : 36 :: 6 : ?$

- (a) 48
- (b) 50
- (c) 49
- (d) 56

6.  $182 : ? :: 210 : 380$

- (a) 342
- (b) 272
- (c) 240
- (d) 156

**Directions: In question nos. 7 to 10, find the odd one out from the given alternatives.**

7. (a) MIZORA  
(b) SIKKIM  
(c) KOHIMA  
(d) MANIPUR

8. (a) Pond - Lake  
(b) Pistol - Gun  
(c) Car - Bus  
(d) Church - Monument

9. (a) AYBZ  
(b) BXCY  
(c) DVEW  
(d) MPON

10. (a) ACDF  
(b) TUOP  
(c) HIVW  
(d) FGKL

**Answer: 1. (a) 2. (b) 3. (c) 4. (d) 5. (d) 6. (c) 7. (c) 8. (a) 9. (c) 10. (a)**

**Directions: In question no. 3 to 5, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.**

**3. 18, 24, 21, 27, ? , 30, 27**

- (a) 33
- (b) 30
- (c) 24
- (d) 21

**4. 2, 5, 10, 17, 26, 37, 50, ?**

- (a) 63
- (b) 65
- (c) 67
- (d) 69

**5. A, D, H, M, ?, Z**

- (a) B
- (b) G
- (c) S
- (d) N

**6. A compact disc (CD) is a data storage system of the type**

- (a) magnetic
- (b) optical
- (c) electrical
- (d) electro-mechanical

**7. Tungsten is used for the manufacture of the filament of an electric bulb, because**

- (a) It is a good conductor
- (b) It is economical
- (c) It is malleable
- (d) It has a very high melting point

**8. What is the wavelength of visible spectrum ?**

- (a) 1300 A-3000 A
- (b) 3900 A - 7600 A
- (c) 7800 A - 8000 A
- (d) 8500 A - 9800 A

**9. How was Burma (now Myanmar) known to ancient Indians ?**

- (a) Malayamandalam
- (b) Yavadwipa
- (c) Suvamabhumi
- (d) Suvarnadwipa

**10. The ratio of pure gold in 18 carat gold is**

- (a) 60%
- (b) 75%
- (c) 80%
- (d) 90%

**Answer: 3. (c) 4. (d) 5. (d) 6. (b) 7. (d) 8. (a) 9. (d) 10. (b)**

**1. A pipe of diameter  $d$  can drain a certain water tank in 40 minutes. The time taken by a pipe of diameter  $2d$  for doing the same job is**

- (a) 5 minutes
- (b) 10 minutes
- (c) 20 minutes
- (d) 80 minutes

**2. A contractor undertakes to make a road in 40 days and employs 25 men. After 24 days, he finds that only one-third of the road is made. How many extra men should he employ so that he is able to complete the work 4 days earlier?**

- (a) 100
- (b) 60
- (c) 75
- (d) None of these

**3. A can do a work in 15 days and B in 20 days. If they together work on it for 4 days, then the fraction of the work that is left is**

- (a)  $\frac{8}{15}$
- (b)  $\frac{7}{15}$
- (c)  $\frac{1}{4}$
- (d)  $\frac{1}{10}$

**4. A tap can empty a tank in one hour. A second tap can empty it in 30 minutes. If both the taps operate simultaneously, how much time is needed to empty the tank?**

- (a) 20 minutes
- (b) 30 minutes
- (c) 40 minutes
- (d) 45 minutes

**5. The perimeter of the top of a rectangular table is 28m., whereas its area is 48m<sup>2</sup>. What is the length of its diagonal?**

- (a) 5m.
- (b) 10 m.
- (c) 12m.
- (d) 12.5 m.

**6. The volume of a right circular cylinder whose height is 40cm, and circumference of its base is 66 cm, is**

- (a) 55440 cm<sup>3</sup>
- (b) 3465 cm<sup>3</sup>
- (c) 7720 cm<sup>3</sup>
- (d) 13860 cm<sup>3</sup>

**7. ABC is a triangle with base AB. D is a point on AB such that AD = 5 and DB = 3. What is the ratio of the area of DADC to the area of DABC?**

- (a) 3/2
- (b) 2/3
- (c) 3/5
- (d) 2/5

**8. A sum of Rs. 1600/- gives a simple interest of Rs. 252/ in 2 years and 3 months. The rate of interest per annum is:**

- (a) 11/2%
- (b) 8%
- (c) 7%
- (d) 6%

**9. A sum of Rs.400/- amounts to Rs. 480/- in 4 years. What will it amount to if the rate of interest is increased by 2%?**

- (a) Rs. 484
- (b) Rs. 560
- (c) Rs. 512
- (d) None of these

**10. The marked price of a watch was Rs. 720/-. A man bought the same for Rs. 550.80, after getting two successive discounts, the first at 10%. What was the second discount rate?**

- (a) 12%
- (b) 14%
- (c) 15%
- (d) 18%

**Answer: 1. (b) 2. (c) 3. (b) 4. (a) 5. (b) 6. (d) 7. (d) 8. (c) 9. (c) 10. (c)**

**1. A shopkeeper marks his goods 20% above cost price, but allows 30% discount for cash. His net loss is:**

- (a) 8%
- (b) 10%
- (c) 16%
- (d) 20%

**2. The arithmetic mean of the scores of a group of students in a test was 52. The brightest 20% of them secured a mean score of 80 and the dullest 25% a mean score of 31.**

**The mean score of remaining 55% is :**

- (a) 45%
- (b) 50%
- (c) 51.4% approx.
- (d) 54.6% approx.

**3. A cricketer whose bowling average is 24.85, runs per wicket, takes 5 wickets for 52 runs and thereby decreases his average by 0.85. The number of wickets taken by him till the last match was:**

- (a) 64
- (b) 72
- (c) 80
- (d) 96

**4. The sum and product of two numbers are 12 and 35 respectively. What will be the sum of their reciprocals?**

- (a)  $\frac{1}{3}$
- (b)  $\frac{1}{5}$
- (c)  $\frac{12}{35}$
- (d)  $\frac{35}{12}$

**5. Which of the following is a perfect square as well as a cube?**

**343, 125, 81, or 64**

- (a) 81
- (b) 125
- (c) 343
- (d) 64

**6. If the sum of two numbers is 3 and the sum of their squares is 12, then their product is equal to**

- (a)  $\frac{3}{2}$
- (b)  $\frac{2}{3}$
- (c)  $-\frac{3}{2}$
- (d)  $-\frac{2}{3}$

**7. Half of 1 per cent written as a decimal is**

- (a) 0.2
- (b) 0.02
- (c) 0.05
- (d) 0.005

**8. 800 chocolates were distributed among the students of a class. Each student got twice as many chocolates as the number of students in the class. The number of students in the class was :**

- (a) 25
- (b) 30
- (c) 35
- (d) 20

**9. A runner runs laps of a 5 lap race. What fractional part of the race remains to be run?**

- (a)  $\frac{15}{4}$
- (b)  $\frac{4}{5}$
- (c)  $\frac{5}{6}$
- (d)  $\frac{2}{3}$

**10. If the total amount spent during the year 1998 was Rs. 46000/-, the amount spent on food, was**

- (a) Rs. 2000/-
- (b) Rs. 10580/-
- (c) Rs. 23000/-
- (d) Rs. 2300/-

**Answer: 1. (c) 2. (c) 3. (c) 4. (c) 5. (d) 6. (c) 7. (d) 8. (d) 9. (a) 10. (b)**

**1. A is older than B but younger than C. D is younger than E but older than A. If C is younger than D, who is the oldest of all?**

- (a) A
- (b) C
- (c) D
- (d) E

**2. A is B's brother. C is D's father. E is B's mother. A and D are brothers. How is E related to C?**

- (a) Sister
- (b) Sister-in-law
- (c) Niece
- (d) Wife

**Directions: From the given alternatives, find the word which cannot be formed from the letters used in the given word.**

### **3. INFRASTRUCTURE**

- (a) Nature
- (b) Charter
- (c) Fracture
- (d) Restrain

**4. If 'A' = 26, SUN = 27, then CAT=?**

- (a) 24
- (b) 57
- (c) 58
- (d) 27

**5. If in a code language "ORGANISATION" is written as "CBDWLQJWYQCL" and "OPERA-TION" is written as "CXFBWYQCL", how is "SEPARATION" coded?**

- (a) EJXEBEYQCL
- (b) JFQYWBCXQL
- (c) JFXWBWYQCL
- (d) QCLYWBFXJE

**6. If '+' means '-', '-' means '×', '×' means '÷' and '÷' means '+' then**

$$2 \div 6 \times 6 + 2 = ?$$

- (a) 1
- (b) 0
- (c) 10
- (d) 5

**Directions: Some equations are solved on the basis of a certain system. On the same basis find out the correct answer from amongst the four alternatives for the unsolved equation in each question.**

7. **a = 11 (242) 121;**  
**b = 14 (392) 196;**  
**c = 13 (?) 169;**

- (a) 182
- (b) 338
- (c) 21971
- (d) 28224

8.  **$323 \times 41 = 14323$ ,  $137 \times 72 = 27731$ ,  $48 \times 87 = 7884$ ,  $34 \times 75 = ?$**

- (a) 2550
- (b) 5743
- (c) 7534
- (d) 4357

9. **Mamatha walks 14 metres towards west, then turns to her right and walks 14 metres and then turns to her left and walks 10 metres. Again turning to her left she walks 14 metres. What is the shortest distance (in metres) between her starting point and her present position?**

- (a) 38 m
- (b) 28 in
- (c) 24 m
- (d) 10 m

**Directions: Find the related word/letters/number to complete the analogy.**

10. **Detective : Informer Reporter : ?**

- (a) Source
- (b) Editorial
- (c) News
- (d) Essay

**Answer: 1. (a) 2. (a) 3. (c) 4. (d) 5. (d) 6. (b) 7. (b) 8. (c) 9. (d) 10. (b)**

**Directions: Find the related word/letters/number to complete the analogy.**

1. **Genuine : Authentic Mirage : ?**

- (a) Illusion
- (b) Image
- (c) Hideout
- (d) Reflection

**2. Thunder : Rain :: ? : Night**

- (a) Day
- (b) Dusk
- (c) Dark
- (d) Evening

**3. 18 : 30 :: 36 : ?**

- (a) 64
- (b) 66
- (c) 54
- (d) 62

**4. 0.16 : 0.0016 :: 1.02 : ?**

- (a) 10.20
- (b) 0.102
- (c) 0.0102
- (d) 1.020

**5. ACEG : NPRT :: ADGJ : ?**

- (a) NRTX
- (b) ORVX
- (c) NQSU
- (d) NQTW

**6. FHEG : JLIK :: PROQ : ?**

- (a) TVSU
- (b) VTUS
- (c) TVUS
- (d) SUVT

**Directions:** Find the odd one out from the given alternatives.

- 7.** (a) node  
(b) abode  
(c) shy  
(d) across

- 8.** (a) Microbe  
(b) Microfilm  
(c) Microphone  
(d) Microscope

9. (a) Sociologist  
(b) Economist  
(c) Neurologist  
(d) Educationist

10. (a) DINS  
(b) CHNR  
(c) BGLQ  
(d) AFKP

**Answer: 1. (b) 2. (a) 3. (a) 4. (c) 5. (d) 6. (b) 7. (b) 8. (a) 9. (c) 10. (a)**

**Directions: Find the odd one out from the given alternatives.**

1. (a) ACE  
(b) FHJ  
(c) KLM  
(d) SUW

2. (a) (52, 142)  
(b) (54, 126)  
(c) (56, 168)  
(d) (58, 184)

**Directions: From among the given alternatives select the one in which the set of numbers is most like the set of numbers given in the question.**

**3. Given set (3, 7, 15)**

- (a) 2, 6, 10  
(b) 4, 8, 18  
(c) 5, 9, 17  
(d) 7, 12, 19

**Directions: Arrange the following words according to the Dictionary.**

4. (A) eagle  
(B) earth  
(C) eager  
(D) early  
(E) each

- (a) B, A, D, C, E  
(b) A, E, B, D, E  
(c) B, C, E, D, A  
(d) E, C, A, D, B

**5. Which one of the given responses would be a meaningful order of the following ?**

- (A) Infant**
- (B) Old**
- (C) Adult**
- (D) Adolescent**
- (E) Child**

- (a) E, D, C, B, A
- (b) C, D, B, A, E
- (c) A, E, D, C, B
- (d) B, C, D, E, A

**Answer: 1. (b) 2. (a) 3. (a) 4. (a) 5. (a)**

**Directions:** Find the odd word/letters/number from the given alternatives.

- 1.** (a) Herring  
(b) Shark  
(c) Barracuda  
(d) Whale

- 2.** (a) Abundance  
(b) Plentiful  
(c) Copious  
(d) Ample

- 3.** (a) AEFJ  
(b) KOPT  
(c) UYZD  
(d) EHIL

- 4.** (a) 24  
(b) 60  
(c) 124  
(d) 210

**Directions:** Which one of the given responses would be a meaningful order of the following?

- 5. 1. Probation.**
- 2. Interview,**
- 3. Selection,**
- 4. Appointment,**
- 5. Advertisement,**
- 6. Application**

- (a) 5, 6, 3, 2, 4, 1
- (b) 5, 6, 4, 2, 3, 1
- (c) 6, 5, 4, 2, 3, 1
- (d) 5, 6, 2, 3, 4, 1

- 6. 1. Heel**
- 2. Shoulder**
- 3. Skull**
- 4. Neck**
- 5. Knee**
- 6. Chest**
- 7. Thigh**
- 8. Stomach**
- 9. Face**
- 10. Hand**

- (a) 3, 4, 7, 9, 2, 5, 8, 10, 6, 1
- (b) 3, 9, 4, 2, 10, 6, 8, 7, 5, 1
- (c) 2, 4, 7, 10, 1, 5, 8, 9, 6, 3
- (d) 4, 7, 10, 1, 9, 6, 3, 2, 5, 8

**7. Arrange the following words according to dictionary arrangement:**

- 1. Wound,**
- 2. Writer,**
- 3. Whiter,**
- 4. Worst,**
- 5. Worked**

- (a) 5, 3, 2, 1, 4
- (b) 1, 4, 3, 5, 2
- (c) 3, 5, 4, 1, 2
- (d) 2, 1, 3, 4, 5

**8. Number of letters skipped in between adjacent letters in the series increases by one. Which of the following series observe the ruling given above?**

- (a) CEHLQW
- (b) CLOUBK
- (c) CHMRWB
- (d) HLPTXN

**Directions:** Complete the series.

**9. 2460,3570,4680,?**

- (a) 8640
- (b) 5670

- (c) 5970
- (d) 5790

**10. 7714,7916,8109,?**

- (a) 8311
- (b) 8312
- (c) 8509
- (d) 8515

**Answer: 1. (d) 2. (d) 3. (d) 4. (c) 5. (d) 6. (b) 7. (c) 8. (c) 9. (d) 10. (a)**

**1. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?**

ac — ga — eg — ce —

- (a) dbag
- (b) ecag
- (c) deag
- (d) ebdg

**2. In an imaginary mathematical operation ‘+’ means multiplication, ‘×’ means subtraction, ‘÷’ means addition and ‘-’ means division. All other rules in mathematical operation are the same as in the existing system. Which one of the following gives the result of**

$175 - 25 \div 5 + 20 \times 3 + 10 ?$

- (a) 160
- (b) 2370
- (c) 77
- (d) 240

**3. If ‘-’ stands for division, ‘+’ for multiplication, ‘÷’ for subtraction and ‘×’ for addition, which one of the following equations is correct?**

- (a)  $6 \div 20 \times 12 + 7 - 1 = 70$
- (b)  $6 + 20 - 12 \div 7 \times 1 = 62$
- (c)  $6 - 20 \div 12 \times 7 + 1 = 57$
- (d)  $6 + 20 - 12 \div 7 - 1 = 38$

**Directions:** Find the missing number from the given responses.

**4. a = 23 (529) (1024),  
b = 21 (441) (144),**

**c = 19 (361)**  
**(?)**

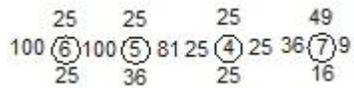
- (a) 1441
- (b) 3529
- (c) 9361
- (d) 8281

**5.**

0	-1	-2
1	0	-1
2	?	0

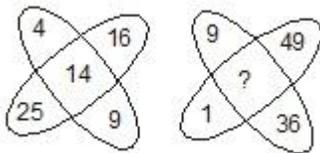
- (a) 1
- (b) -1
- (c) -2
- (d) 4

**6.**



- (a) 3
- (b) 2
- (c) 5
- (d) 4

**7.**



- (a) 25
- (b) 15
- (c) 17
- (d) 18

**8. If ROSE is written as TQUG, how BISCUIT can be written in that code?**

- (a) CJTDVJU
- (b) DKVEWKV
- (c) DKUEWKY
- (d) DKUEWKV

**9. If the word MENTAL is written as LNDFM OSUZBKM, then how would the word TEST be written in that code?**

- (a) UVFGTUUV
- (b) RSCDQRRS
- (c) SUDFQRSU
- (d) SUDFRTSU

**10. If TYPEWRITER is written as GBKVDIRGVI, how STENO can be written in that code?**

- (a) LMVGH
- (b) HGVML
- (c) LMHGV
- (d) HVLGM

**Answer: 1. (a) 2. (c) 3. (c) 4. (c) 5. (d) 6. (b) 7. (c) 8. (c) 9. (d) 10. (a)**

**1. If KASHMIR is written as 8142753, how RIMSHAK can be written in that code?**

- (a) 3574218
- (b) 3571842
- (c) 3521478
- (d) 3574812

**2. The average age of a cricket team is 27 years. Two players with 24 and 27 years of age are replaced by new players of 23 and 28 years of age. What is the average age of the team now?**

- (a) 27 years
- (b) 26 years
- (c) 24 years
- (d) 28 years

**3. Four friends A, B, C, D, contribute money to a pool. A contributes double the amount C contributes and B contributes half the amount A contributes. D contributes half the amount of B. Which two are contributing equal amount?**

- (a) B, D
- (b) A, D
- (c) A, B
- (d) B, C

**4. Anil reached a place on Friday. He came to know that he was three days earlier than the scheduled day. If he had reached there on the following Sunday, how many days late/early he would have been?**

- (a) One day earlier
- (b) One day late
- (c) Two days late
- (d) Two days earlier

**5. In the following question a statement is followed by four inferences. Select the one which is most appropriate. All the books, written by Prabhakar, are textbooks. Some of his books are published by Pitamber Publishing Company.**

- (a) All the books published by Pitamber Publishing Company have been written by Prabhakar.
- (b) Pitamber Publishing Company publishes some critical essays written by Prabhakar.
- (c) Some textbooks written by Prabhakar are published by publishers other than Pitamber Publishing Company.
- (d) Pitamber Publishing Company only publishes textbooks.

**Answer: 1. (a) 2. (a) 3. (c) 4. (d) 5. (d)**

**Directions:** In question numbers 1 to 7, select the related letter/word/number/figure from the given alternatives.

**1. DE : 10 :: HI : ?**

- (a) 17
- (b) 20
- (c) 36
- (d) 46

**2. ACEG : IKMO :: PRTV : ?**

- (a) QRUW
- (b) JLMP
- (c) WXAC
- (d) XZBD

**3. 6 : 222 :: 7 : ?**

- (a) 350
- (b) 343
- (c) 336
- (d) 210

**4. CLOSE : DNRWJ :: OPEN : ?**

- (a) PRJQ
- (b) RPJB
- (c) PRHR
- (d) RZWR

**5. DRIVEN : EIDRVN :: BEGUM**

- (a) UEBGM
- (b) EUBGM
- (c) BGMEU
- (d) BGMUE

**6. Framework : House : Skeleton : ?**

- (a) Ribs
- (b) Skull
- (c) Body
- (d) Grace

**7. January : November :: Sunday:?**

- (a) Tuesday
- (b) Monday
- (c) Friday
- (d) Saturday

**Directions:** In question numbers 8 to 13, select the one which is different from the other three responses.

- 8.** (a) ywus  
(b) zxyv  
(c) geca  
(d) bzxv

- 9.** (a) MKGA  
(b) RPLF  
(c) VTPJ  
(d) PNID

- 10.** (a) Plant-Flower  
(b) Chair-Sofa  
(c) Face-Eye  
(d) Tree-Stem

**Answer: 1. (b) 2. (c) 3. (a) 4. (d) 5. (c) 6. (a) 7. (d) 8. (b) 9. (b) 10. (d)**

---

**1. How many digits in all are required to write numbers from 1 to 50?**

- (a) 100
- (b) 92
- (c) 91
- (d) 50

2.  $82/3$  is equal to :

- (a)  $11/2$
- (b)  $64/3$
- (c) 4
- (d)  $10/3$

3. The simplified form of  $(16^{3/2} + 16^{-7/2})$  is:

- (a) 0
- (b)  $4097/64$
- (c) 1
- (d)  $16/4097$

4.  $\left(\frac{2+\sqrt{3}}{2-\sqrt{3}} + \frac{2-\sqrt{3}}{2+\sqrt{3}} + \frac{\sqrt{3}-1}{\sqrt{3}+1}\right)$  simplifies to:

- (a)  $2-\sqrt{3}$
- (b)  $2+\sqrt{3}$
- (c)  $16-\sqrt{3}$
- (d)  $40-\sqrt{3}$

5.  $\sqrt{6+\sqrt{6+\sqrt{6+\dots}}}$  is equal to :

- (a) 8
- (b) 6
- (c)  $7/6$
- (d) 3

6. The next term of the sequence 1, 2, 5, 26, ... is:

- (a) 677
- (b) 6
- (c) 50
- (d) 152

7.  $\left(\frac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}\right)^2 + \left(\frac{\sqrt{5}-\sqrt{3}}{\sqrt{5}+\sqrt{3}}\right)^2$  is equal to:

- (a) 64
- (b) 62

- (c) 66
- (d) 68

**8.  $25 \times 25$  is divided by 26, the remainder is:**

- (a) 1
- (b) 62
- (c) 66
- (d) 68

**9. The smallest possible three-place decimal is:**

- (a) 0.012
- (b) 0.123
- (c) 0.111
- (d) None of the above

**10.  $(7.5 \times 7.5 + 37.5 + 2.5 \times 2.5)$  is equal to:**

- (a) 100
- (b) 80
- (c) 60
- (d) 30

**Answer: 1. (a) 2. (d) 3. (b) 4. (d) 5. (c) 6. (a) 7. (d) 8. (b) 9. (b) 10. (d)**

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- 1. (a) Kennel**  
(b) Stable  
(c) Lock  
(d) Den

- 2. (a) 12-96**  
(b) 13-117  
(c) 15-120  
(d) 16-128

- 3. (a) 527**  
(b) 639  
(c) 246  
(d) 356

**Directions: In question numbers 4 and 5 which one of the given responses would be a meaningful order of the given words ?**

4. 1. Pulp
2. Print
3. Paper
4. Purchase

**5. Publish**

- (a) 1, 3, 2, 5, 4
- (b) 1, 4, 5, 2, 3
- (c) 1, 2, 3, 5, 4
- (d) 1, 5, 4, 2, 3

**6. 1. Never**

**2. Sometimes**

**3. Generally**

**4. Seldom**

**5. Always**

- (a) 5, 2, 1, 3, 4
- (b) 5, 3, 2, 1, 4
- (c) 5, 3, 2, 4, 1
- (d) 5, 2, 4, 3, 1

**7. Which one set of letters when sequentially placed at the gaps in the given letter series shall complete it ?**

**\_aa ba bb \_ab\_aab**

- (a) babab
- (b) aaabb
- (c) bbaab
- (d) bbbaa

**Directions: In question numbers 7 to 10 a series is given with some terms missing. Choose the correct alternative from the given ones that will complete the series.**

**8. 9,27,31,155,161,1127,?**

- (a) 1135
- (b) 1288
- (c) 316
- (d) 2254

**9. DFI, KMP, ?, YAD**

- (a) QSV
- (b) RTW

- (c) SUX
- (d) RTV

**10. 0246,6024,4602,2460,?**

- (a) 0426
- (b) 4620
- (c) 2064
- (d) 0246

**Answer: 1. (d) 2. (a) 3. (a) 4. (d) 5. (d) 6. (a) 7. (d) 8. (b) 9. (a) 10. (d)**

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**2. In this question a Statement followed by Conclusions, I and II is given. Which one of the four given alternatives (a), (b), (c) or (d) is correct?**

**Statement:** Fortune favours the brave.

**Conclusions:**

- I. Cowards die many deaths before their real death.
- II. For any success risks are necessary.

- (a) Only I follows
- (b) Only II follows
- (c) Neither I nor II follows
- (d) Both I and II follow

**3. If MIND becomes KGLB and ARGUE becomes YPESC then what will DIAGRAM be in that code?**

- (a) Glpeykb
- (b) Bgyepyk
- (c) lkgypk
- (d) Bgypyek

**4. If GLARE is coded as 67810 and MONSOON as 2395339 then how can RANSOM be coded?**

- (a) 183952
- (b) 198532

- (c) 189352
- (d) 189532

**5. A word is given in capital letters. It is followed by four words. Out of these four words, three cannot be formed from the letters of the word in capital letters. Point out the word which can be formed from the letters of the given word in capital letters.**

**BLANDISHMENT**

- (a) BOARD
- (b) METAL
- (c) SHAPE
- (d) CRASH

**6. Match the dams and the rivers across which these have been constructed**

**Dam River**

- a. Farakka 1. Krishna
- b. Tehri 2. Ravi
- c. Thein 3. Ganga
- d. Nagarjuna 4. Bhagirathi

- (a) 1 2 3 4
- (b) 2 3 1 4
- (c) 3 4 2 1
- (d) 4 1 2 3

**7. Who is the proponent and propagandist of the “Art of Living”?**

- (a) Maharshi Mahesh Yogi
- (b) Sri Ravi Shankar
- (c) Swami Chinmayananda
- (d) Bhagwan Rajneesh

**8. Which of the following Mahatma Gandhi series of currency notes issued by the RBI has a drawing of the ‘Parliament House’ depicted on it?**

- (a) Rs. 500
- (b) Rs. 100
- (c) Rs. 50
- (d) Rs. 10

**9. Duncan Passage is located between:**

- (a) South and Little Andaman
- (b) North and South Andaman

- (c) North and Middle Andaman
- (d) Andaman and Nicobar

**10. According to the UN Convention on the Rights of the Child which of the following is not a right?**

- (a) Safe drinking water
- (b) Adequate standard of living
- (c) Employment
- (d) Protection from exploitation

**Answer: 1. (c) 2. (d) 3. (a) 4. (d) 5. (d) 6. (a) 7. (d) 8. (b) 9. (a) 10. (d)**

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