1. Three of the following four wads are alike in a certain way and one is different. Pick the odd word out.
A. Courtesy
B. Hindrance
C. Indulgence
D. Benevolence
Ans. B
Sol.
Courtesy, Indulgence and Benevolence have the same meaning which is being kind or helpful.
But **hindrance** means an obstacle which is different in compare to them.
So the odd one out option is **(b)**

2. If FLOWER is coded as 14 and DISTASTE is coded as 18, then how will BUREAUCRAT be coded as?
A. 20
B. 22
C. 28
D. 18
Ans. B
Sol.
The code for FLOWER – 14 and DISTASTE – 18
The pattern of code is (total no. of letters + 1) × 2
i.e. flower = (6(total letters)+1) ×2 =14
So, the code for BUREAUCRAT = (10 +1) ×2 =11 × 2 =22

3. Select the option in which the given figure is embedded.

Rotation not allowed

A. 

B. 

C. 

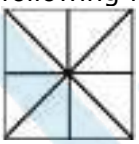
D. 

Ans. A
Sol.

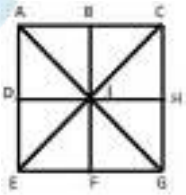
We can clearly see that the above figure is embedded only in option (a). which is mentioned below-

Hence, option (a) is the right answer.

4. How many triangles are there in the following figure?



A. 18
B. 14
C. 12
D. 16
Ans. D
Sol.



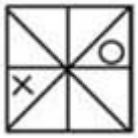
In the above figure, the triangles formed are -> **ACG, CGE, GEA, EAC, ACI, CGI, GEI, AEI, ABI,**
BCI, CHI, GHI, GFI, EFI, DEI, ADI.
Thus, the total number of triangles is **16**.

5. Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.
Frown : Displeasure
A. Smile : Ecstasy
B. Grief : Sorrow
C. Madness : Illness
D. Laugh: Comedy
Ans. A

Sol.
FROWN: DISPLEASURE
Frown is an expression of displeasure or disapproval. In other words, frown is a state of mind and displeasure is a feeling. Similarly, Smile is an expression and ecstasy is a feeling.
But in other word-pair, both the words expresses feeling.
That's why, the correct ans. (a)

6. Three of the following four word pairs are alike in a certain way and one is different. Pick the odd word out.
A. Bangladesh: Taka
B. Malaysia : Ringgit
C. South Korean: Rupiya
D. Russia : Ruble
Ans. C
Sol.
A. Bangladesh: Taka
B. Malaysia: Ringgit
C. South Korean: Rupiya
D. Russia: Ruble
In the above options, we can see that they are the pair of **country*: its currency***
And so we know that the currency of **South Korea** is ***seoul*.**
Hence, option (c) is odd one.

7. Select the figure that will come next in the following figure series.

A. 

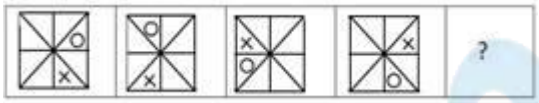
B. 

C. 

D. 

Ans. A

Sol.



X is rotating in **clockwise direction** in each step in a following given manner-
In 1st step, it is just placed **immediate left** of the original position
In 2nd step, there is a gap of **one triangle** and at last there is a gap of **two**.
The same sequence followed by **O** but in **anti-clockwise direction.**
Therefore, the next figure that will come in the series is-

Hence, the correct figure is option (a)

8. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.
A. 789
B. 123
C. 567
D. 457
Ans. D
Sol.
789, 123, and 567 –> they all are divisible by **3**.
But 457 is not divisible by **3**
So the option (d) is different.

9. Select the option that is related to the third term in the same way as the second term is related to the first term.
29 : 13 : : 37 : ?
A. 17
B. 14
C. 15
D. 21
Ans. A
Sol.
29: 13:: 37:?
13 × 2 =26 + 3 =29
17 × 2 =34 + 3 = 37
Hence, the correct answer is option (a).

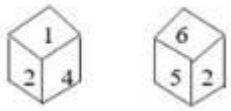
10. What will be the value of the following equation if '÷' means 'addition', '+'

means 'subtraction', '-'means 'multiplication' and '×' means 'division'?
54 × 6 – 7 ÷ 8 + 2 = ?
A. 57
B. 69
C. 63
D. 61
Ans. B
Sol.

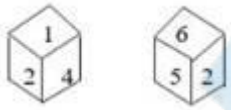
Symbol	÷	+	-	×
Meaning	+	-	×	÷

54 × 6 – 7 ÷ 8 + 2 =?
After changing the symbols,
54 ÷ 6 × 7 + 8 – 2
(Applying BODMAS rule)
=>9 × 7 + 8 – 2
=>63 + 8 – 2
=>71 – 2
=> 69
Hence, option (b) is correct.

11. Two rotated positions of a dice are given below. Which number will be at the top if '3' is at the bottom?



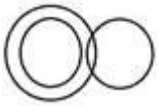
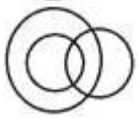
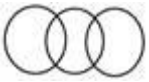
A. 4
B. 6
C. 2
D. 1
Ans. C
Sol.

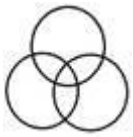


Moving in the clockwise direction,
Cube 1 : 2 1 4
Cube 2 : 2 5 6
Clearly, 3 will be opposite to 2.
Hence, option (c) is correct.

12. Arrange the following words in a logical and meaningful order.
1) Salary
2) Recruitment
3) Education
4) Promotion
5) School
6) Employment
A. 5, 3, 2, 6, 4, 1
B. 3, 5, 4, 2, 6, 1
C. 5, 3, 2, 6, 1, 4
D. 5, 3, 4, 1, 2, 6
Ans. C
Sol.
Correct sequence of a life career is :
5. School
3. Education
2. Recruitment
6. Employment
1. Salary
4. Promotion
Hence, correct sequence = 5, 3, 2, 6, 1, 4

13. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.
A. MNPS
B. DEGJ
C. PQTX
D. TUWZ
Ans. C
Sol.
The sequence follow in below letter-clusters is first two letters are come together and there is a gap of 2 letters in last two letters according to English dictionary.
MNPS, DEGJ, TUWZ
But option (c) PQTX doesn't belong to this group as there is a gap of 3 letters in last two letters.

14. Select the Venn diagram that best illustrates the relationship between the following classes.
Graduates, Literates, Hardworking
A. 
B. 
C. 

D. 

Ans. B

Sol.

Graduates, Literates, Hardworking.

All Graduates are Literates and some of them (graduates + literates) are Hardworking. So the correct diagram that depicts its true meaning is option (b)

15. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(9, 15, 27)

A. (6, 9, 18)

B. (15, 25, 35)

C. (21, 35, 56)

D. (12, 20, 36)

Ans. D

Sol.

9 ⟶ 15 ⟶ 27

+6 +12

×2

Likewise, the above pattern is followed only in option [d].

12 ⟶ 20 ⟶ 36

+8 +16

×2

So the correct answer is [d]

16. Two statements are given followed by three conclusions numbered I, II and III Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some mobiles are instruments.

All instruments are heavy items.

Conclusions:

I. Some mobiles are heavy items.

II. No mobile is a heavy item.

III. Some heavy items are instruments.

A. All conclusions follow

B. Only conclusion I follows

C. Only conclusions I and III follow

D. Only conclusion III and either conclusion I or II follow

Ans. C

Sol.

Conclusions:-

I. Some mobiles are heavy items. –True – as some mobiles are instruments

II. No mobile is a heavy item. – False – as the above diagram clearly shows that some mobiles are heavy items as well.

III. Some heavy items are instruments. – True – As all instruments are heavy items.

Hence, Opt. (c) only conclusion I and III follows is correct.

17. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

A. IVHU

B. KXJW

C. MZLY

D. GESO

Ans. D

Sol.

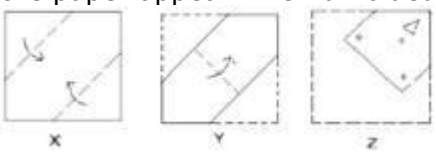
(A) IVHU (B) KXJW (C) MZLY

In the above three letter-clusters, 3rd and 1st letter comes together, so as 4th and 2nd letter according to english alphabetical series

But in GESO, the above pattern is not followed.

Hence, option (d) is different.

18. The sequence of folding a piece of square paper (figures X and Y) and the manner in which the folded paper has been cut (figure Z) are shown). How will the paper appear when unfolded?



A. 

B. 

C. 

D. 

Ans. B

Sol.

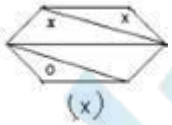
When the above paper (z) unfold, it appears as mentioned below :-

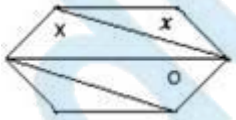
STEP-1

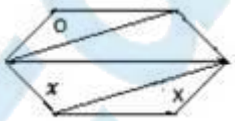
STEP-2

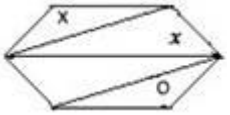
So, the correct figure is option (b)

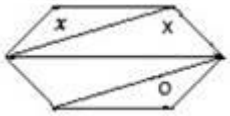
19.Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.



A. 

B. 

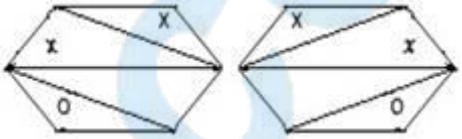
C. 

D. 

Ans. C

Sol.

In a plane mirror, a mirror image is a reflected duplication of an object that appears almost identical, but it is reversed in the direction perpendicular to the mirror surface. As an optical effect it results from reflection of substances such as a mirror or water.



Opt.(c)

Option (c) is correct.

20. In a code language if FRIDGE is written as GTLHLK, then in the same language how will you write the word KETTLE?

A. GLXWQK

B. LGWXQK

C. WQLGXK

D. XKWQLG

Ans. B

Sol.

Hence, the correct answer is (C).

21.In a code language. SUNDAY is written as DNUAYS. How will MOTHER be written as in that language?

A. HOTERM

B. THEORM

C. HTOERM

D. HTEOMR

Ans. C

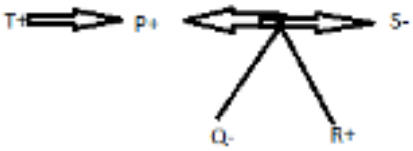
Sol.

1. **SUNDAY** code is ***DNUAYS***.

2nd, 3rd and 4th letter written in reverse order.

5th and 6th letter written as it is followed by the first letter
Similarly, the code for **MOTHER** will be ***HTOERM***.
Option (C) is correct.

22. P is the father of Q and R is the son of S. T is the brother of P. Q is the sister of R. How is S related to T?
A. Brother
B. Daughter
C. Sister-in-law
D. Brother-in-law
Ans. C
Sol.



Hence, from the above diagram it is clear that **S** is sister-in-law of **T**.
So, the correct option is (c)

23. Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.
cb_db_cba_bc_bad_c
A. cabdc
B. acdcb
C. acbcd
D. dcbcb
Ans. B
Sol. cb_db_cba_bc_bad_c
The pattern follow in the above equation is- cba and dbc respectively.
I.e. cb**a**db**c**cba**d**bc**c**bad**b**c

24. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.
DKFM : FIHK : : BLOP : ?
A. DNER
B. DJIN
C. CKHO
D. ZNEN
Ans. B
Sol. DKFM: FIHK: BLOP:?
D ___+2____F, K___-2____I,
F___+2____H, M___-2____K
Similarly,
B ___+2____D, L___-2____J,
O___+2____Q, P____-2____N
So, the correct option is (b) DJQN

25. Which two signs should be interchanged in the following equation to make it correct?
15 – 9 ÷ 6 × 10 + 5 = 25
A. + and ÷
B. × and –
C. + and -
D. × and ÷
Ans. C
Sol. 15 – 9 ÷ 6 × 10 + 5 = 25
According to the question,
If we interchange the + and – sign the above equation become correct.
15 + 9 ÷ 6 × 10 – 5
=>15 + 15 – 5
=> 30 – 5 => 25
Hence, option (c) is the correct answer.

26. Which of the following is a communicable disease?
A. Diabetes
B. Asthma
C. Measles
D. Scurvy
Ans. C
Sol.
• **Measles is a highly communicable disease.**
• It is a serious childhood disease caused by a virus.
• It is easily spread by coughing, sneezing or even talking to an infected person. Measles begins with a fever, runny nose and cough.

27. Who was the first female chief justice of a state high court in India?
A. Leila Seth
B. Ruma Pal
C. Syeda Tahira
D. Fatima Bibi
Ans. A
Sol.
• **Leila Seth was the first woman judge** on the Delhi High Court.
• She became the first woman to become Chief Justice of a state High Court on 5 August 1991.

28. Baglihar Dam is constructed on which river?
A. Indus
B. Chenab
C. Sutlej
D. Ravi

Ans. B
Sol.
• **Baglihar Dam is built on Chenab River** in the Doda district of Jammu & Kashmir.
• The hydro power project 'Baglihar Hydroelectric Power Project', is a run-of-the-river power project on the Chenab River.
• This project was conceived in 1992, approved in 1996 and construction began in 1999.

29. As of May 2019, which political party does actor Raj Babbar belong to?
A. Bahujan Samaj Party
B. Indian National Congress
C. Bharatiya Janta Party
D. Samajwadi
Ans. B
Sol.
• Raj Babbar is a Hindi and Punjabi film actor and politician belonging **to Indian National Congress.**
• He has been a three-time member of the Lok Sabha and a two-time member of the Upper House of the Indian Parliament. He is the President of Uttar Pradesh Congress Committee.

30. In 2019, Kazakhstan renamed its capital Astana to _____ .
A. Nursulta
B. NurNazar
C. Nazarbayev
D. Nurbayev
Ans. A
Sol.
• **Kazakhstan has renamed its capital Astana as Nur-Sultan** in honour of the country's longtime president who resigned in a surprise move.
• The order to change the capital city's name was issued on Saturday by Kazakhstan's newly sworn-in interim President Kassym-Jomart Tokayev.

31. Who bagged the 4th Carnot Prize 2018 for his contribution towards sustainable energy solutions?
A. Hardeep Puri
B. Arun Jaitley
C. Harsh Vardhan
D. Piyush Goyal
Ans. D
Sol.
• **Piyush Goyal to receive Carnot prize** for his contribution towards sustainable energy solutions.
• The Carnot Prize is the Kleinman Center's annual recognition of distinguished contributions to energy policy through scholarship or practice.

32. The defending champions _____ won the 85th Ranji Trophy title in 2019.
A. Mumbai
B. Karnataka
C. Saurashtra
D. Vidarbha

Ans. D
Sol.
• **Vidarbha** were the defending champions.
• The 2018–19 Ranji Trophy was the 85th season of the Ranji Trophy, the premier first-class cricket tournament that took place in India between November 2018 and February 2019.
• The final took place between Vidarbha and Saurashtra, starting on 3 February 2019. Vidarbha defeated Saurashtra by 78 runs in the final, to become the sixth team in the tournament's history to retain their title.

33. 'Mithun', a cattle breed is found in _____.
A. Arunachal Pradesh
B. Maharashtra
C. Kerala
D. Tamilnadu
Ans. A
Sol.
• Mithun is a cattle breed is found in **Arunanchal Pradesh.**

• Mithun is also known as 'Cattle of Mountain" .
• It is an important bovine species of north-eastern hill region of India and also of China, Myanmar, Bhutan and Bangladesh.
• This magnificent massive bovine is presently reared under free-range condition in the hill forests at an altitude of 1000 to 3000 m above mean sea level.

34. The amount of light entering into eye can be controlled and regulated by _____.
A. Pupil
B. Iris
C. Cornea
D. Retina
Ans. A
Sol.
• The amount of light entering into eye can be controlled and regulated by **Pupil.**
• In low-light conditions, the pupil dilates so more light can reach the retina to improve night vision. In bright conditions, the pupil constricts to limit how much light enters the eye (too much light can cause glare and discomfort, and it may even damage the lens and retina).

35. In which part of the Indian Constitution are centre-state relations mentioned?
A. Part XI (Article 245 to 255)
B. Part IV (Article 227 to 234)
C. Part X (Article 234 to 240)
D. Part XII (Article 265 to 277)
Ans. A
Sol.
• **In Part XI (Article 245 to 255)** of the Indian Constitution are centre-state relations mentioned.
• The centre-state relations are divided into three parts, which are mentioned below:
(A) Legislative Relations (Article 245-255)
(B) Administrative Relations (Article 256-263)
(C) Financial Relations (Article 268-293)

36. Which hormone leads to the expulsion of milk from the breast, when baby sucks it?
A. Progesterone
B. Prolactin
C. Estrogen
D. Oxytocin
Ans. B
Sol.
• **Prolactin** is a hormone that promotes milk production(lactation) in mammals in response to the suckling of young after birth.
• Production of prolactin takes place in the pituitary gland.

37. The festival of Marabats and Badgyas celebrated in ____directly confronts social evils and criticise their perpetrators through a procession with effigies.
A. Hyderabad
B. Jabalpur
C. Nagpur
D. Panaji
Ans. C
Sol.
• On Bhadrapada Shukla Pratipada of the Indian lunar calendar, a unique festival, **popularly known as Marabat,** is celebrated in the eastern part of Vidarbha.
• In the evening a festival of toy bulls, called 'Tanha Pola', is celebrated by children.
• Marabat and Badgyas are female and male representations respectively.
• Nagpurians have a novel way of wishing away everything that troubles society, in the form of the Marbat.

38. Which of the following economic activities employs the maximum number of people in India?
A. Tourism
B. Agriculture
C. Mining
D. Manufacturing
Ans. B
Sol.
• **Agriculture sector imploys maximum no. of people** in india, whereas it has least contribution in GDP.

• The opposite scenario is due to lack of technological upgradation in agriculture, disguise employment, land fragmentation and low agriculture input.'

39. Who is the author of the book 'Rajatarangini"?
A. Somadeva
B. Kalidasa
C. Banabhatta
D. Kalhana
Ans. D
Sol.
• **Kalhan** was son of a Kashmiri minister Carpaka.
• He was most probably a Brahmin who wrote the Rajtarangini.
• Kalhan's father Carpaka is speculated to have served as a "dwarpati"(commandant) with the King Harsa of the Lohara dynasty.

40. 21 March 2019 was celebrated by the UN as World Down Syndrome Day and the theme was _____.
A. "Live and let live"
B. "Leave no one behind"
C. "All is well"
D. "Together we grow"
Ans. B
Sol.
• **World Down Syndrome Day** is celebrated on 21st March 2019.
• World Down Syndrome Day 2019 theme was "Leave no one behind".
• It is a global event organized to advocate the rights of people or children suffering from "Down Syndrome" and to send a message that they too can live a happy and normal life.

41. The period between _____ in India's history is known as the Delhi Sultanate period.
A. 1206 AD and 1526 AD
B. 745 AD and 1245 AD
C. 1105 AD and 1445 AD
D. 1456 AD and 1675 AD
Ans. A
Sol.
• Period betweeb **1206-1526** is considered as Delhi Sultanate.
• The kingdoms of Delhi Sultanate are as follow-
a) Slave dynasty 1206 – 1290
b) Khilji dynasty 1290 – 1320
c) Tughlaq dynasty 1321 - 1413
d) Sayyid dynasty 1414 - 1450
e) Lodhi dynasty 1451 - 1526

42. The Nanda Devi Peak is located in _____.
A. Sikkim
B. Uttarakhand
C. Jammu and Kashmir
D. Assam
Ans. B
Sol.
• Nanda Devi Peak is the **second highest mountain in India.**
• It is the 23rd-highest peak in the world.
• It is part of the Garhwal Himalayas, and is located in Chamoli district of **Uttarakhand.**

43. In the year 1978, the _____ amendment eliminated the right to acquire, hold and dispose of property as a fundamental right.
A. 41st
B. 42nd
C. 43rd
D. 44th

Ans. D
Sol.
• In 1978, **44th amendment** eliminated the right to acquire, hold and dispose of property as a fundamental right.
• It was made legal right instead of fundamental one.
• Article 19(1)(f), which guarantees the citizens the right to acquire, hold and dispose of property and article 31 relating to compulsory acquisition of property have been omitted.

44. Which of the following has the highest protein content per gram?
A. Apple
B. Groundnut
C. Scyabean
D. Wheat
Ans. C
Sol.

Soyabean is one of the richest source of protein.The nutrition facts for 3.5 ounces (100 grams) of boiled soybeans are -
a) Protein: 16.6 grams
b) Carbs: 9.9 grams
c) Sugar: 3 grams
d) Fiber: 6 grams
e) Fat: 9 grams

45. Mihira Bhoja was the ruler of _____.
A. Chola
B. Rashtrakuta
C. Chalukya
D. Pratihara
Ans. D
Sol.
• **Mihira Bhoja was a ruler of the Gurjara-Pratihara dynasty** of India.
• He succeeded his father Ramabhadra.
• Bhoja was a devotee of Vishnu and adopted the title of Adivaraha which is inscribed on some of his coins.
• One of the outstanding political figures of India in ninth century, he ranks with Dhruva Dharavarsha and Dharmapala as a great general and empire builder.

46. Which cells in our body are popularly called "soldiers of the human body"?
A. Red blood cells
B. Eosinophils
C. Basophils
D. White blood cells
Ans. D
Sol.
• **WBCs are also known as Soldiers of human body**.
• White blood cells are part of the body's immune system. They help the body fight infection and other diseases.
• Types of white blood cells are granulocytes (neutrophils, eosinophils, and basophils), monocytes, and lymphocytes (T cells and B cells).

47. Vikramashila University was founded by _____, a Pala king.
A. Dharmapala
B. Mihira Bhoja
C. Rajendra Chola
D. Pulakeshin I
Ans. A
Sol.
• **Vikramashila was founded by Pala king Dharmapala** in the late 8th or early 9th century.
• It is one of the top center of education not only for Indians but also for foreigners.
• It prospered for about four centuries before it was destroyed by Bakhtiyar Khilji along with the other major centres of Buddhism in India around 1193.

48. If there is a lack of money supply in comparison to the supply of goods and services, then the possible consequence would be _____.
A. Hyperinflation
B. Inflation
C. Deflation
D. Devaluation
Ans. C
Sol.
• **Deflation** is the decline in the prices for goods and services that occur when the rate of inflation falls below 0%.
• It will take place naturally, if and when the money supply of an economy is limited.
• It indicates deteriorating conditions.
• It is normally linked with significant unemployment and low productivity levels of goods and services.

49. _____ won the inaugural Pro Volleyball League (PVL) title in 2019.
A. Calicut Heroes
B. Ahmedabad Defenders
C. Chennai Spartans
D. Kochi Blue Spikers
Ans. C
Sol.
• **Chennai Spartans** defeated Calicut Heroes 3-0 to win the the inaugural edition of the Pro Volleyball League in the inaugural Pro Volleyball League (PVL) title in 2019.
• League's top scorer and best spiker Rudy Verhoeff scored 13 points (11 spikes and 2 blocks) for the winners.

50. Veer Kunwar Singh Jayanti is celebrated in_____ in order to

recognise the achievements of Kunwar Singh during the Indian rebellion of 1857.
A. Uttarakhand
B. Bihar
C. Uttar Pradesh
D. Himachal Pradesh
Ans. B
Sol.
• Kunwar Singh was a **notable leader** during the Indian Rebellion of 1857.
• He belonged to a royal house of Jagdispur, **Bihar.**
• At the age of 80, he led a select band of armed soldiers against the troops under the command of the British East India Company.

51.A man purchases 100 copies of a book from the publisher and gets a discount of 25%. He buys 50 copies from a retailer at a discount of 10%. He got an overall discount of:
A. 20%
B. 35%
C. 17.5%
D. 16.5%

Ans. A
Sol.
Let the p
rice of one copy of book is Rs. 100
Price of 100 copies $= 100 \times 100 = 10000$
Discounted price of 100 copies $= 10000 \times \frac{75}{100} = 7500$
Price of 50 copies $= 50 \times 100 = 5000$
Discounted price of 50 copies $= 5000 \times \frac{90}{100} = 4500$.
Total price of 150 copies = 15000
The man paid a total of = 7500 + 4500 = 12000.
Overall discount $= \frac{15000-12000}{15000} \times 100 = \frac{3000}{150} = 20\%$

52. If x is added to each of 12, 28, 21 and 45, the numbers so obtained, in this order, are in proportion. What is the mean proportional between (x + 3) and (4x +1)?
A. 15
B. 18
C. 10
D. 12
Ans. A
Sol.
A/Q,
$$\frac{12+x}{28+x} = \frac{21+x}{45+x}$$
$$x^2 + 57x + 12 \times 45 = x^2 + 49x + 21 \times 28$$
$$8x = 21 \times 28 - 12 \times 45$$
$$x = 4 \times \frac{3}{8}(7 \times 7 - 3 \times 15) = \frac{3}{2} \times 4 = 6$$
Mean proportion $= \sqrt{(x+3)(4x+1)}$
$$= \sqrt{(6+3)(4 \times 6 + 1)} = 3 \times 5 = 15$$

53. Three numbers are such that if the average of any two of them is added to the third number, the sums obtained are 168, 174 and 180 respectively. What is the average of the original three numbers?
A. 84
B. 87
C. 89
D. 86
Ans. B
Sol.
Let the numbers are x, y and z. Then A/Q,
$$\frac{x+y}{2} + z = 168 \ldots\ldots (i)$$
$$\frac{y+z}{2} + x = 174 \ldots\ldots (ii)$$
$$\frac{x+z}{2} + y = 180 \ldots\ldots (iii)$$
Adding (i), (ii) and (iii) we get
$$\frac{2(x+y+z)}{2} + (x+y+z) = 522$$
$$2(x+y+z) = 522$$
$$x+y+z = 261$$
$$\frac{x+y+z}{3} = 87$$

54. If $(27x^3 - 343y^3) \div (3x - 7y) = Ax^2 + By^2 + 7Cyx$, then the value of (4A – B + 5C) is:

A. 2
B. 3
C. 1
D. 0
Ans. A
Sol.

$$\frac{27x^3-343y^3}{3x-7y} = Ax^2 + By^2 + 7Cxy$$

$$\frac{(3x-7y)(9x^2+21xy+49y^2)}{3x-7y} = Ax^2 + By^2 + 7Cxy$$

$$9x^2 + 21xy + 49y^2 = Ax^2 + 7Cxy + By^2$$

$$A = 9, B = 49, 7C = 21 \Longrightarrow C = 3$$

$$4A - B + 5C = 36 - 49 + 15 = 2$$

55. What will be the compound interest (nearest to Rs. 1 on a sum of Rs. 25,000 for 2 years at 12% p.a., if the interest is compounded 8-monthly?
A. Rs. 6.349
B. Rs. 6,439
C. Rs. 6,394
D. Rs. 6,493
Ans. D
Sol.
2 years = 24 months = 3 times compounded 8-monthly.
Rate of CI for 12 months = 12%
Rate of CI for 8 months

$$= 12 \times \frac{8}{12} = 8\%$$

$$A = 25000\left(1 + \frac{8}{100}\right)^3$$

$$A = 25000\left(\frac{27}{25}\right)^3$$

$$A = 25000 \times \frac{19683}{15625} = 1.6 \times 19683 = 3149$$

$$CI = A - P = 31492.8 - 25000 = 649$$

$$CI \approx Rs.6493$$

56. The areas of the three adjacent faces of a cuboid are 32 cm^2, 24 cm^2 and 48 cm^2. What is the volume of the cuboid?
A. 288 cm^3
B. 256 cm^3
C. 192 cm^3
D. 128 cm^3
Ans. C
Sol.
Let length, breadth and height of cuboid are respectively l, b and h. Then,

$$lb = 48 \ldots\ldots (i)$$

$$bh = 24 \ldots\ldots (ii)$$

$$lh = 32 \ldots\ldots (iii)$$

$$(lb)(bh)(lh) = 48 \times 24 \times 32$$

$$l^2b^2h^2 = 48 \times 24 \times 32$$

$$lbh = \sqrt{48 \times 24 \times 32}$$

$$= 4\sqrt{3} \times 2\sqrt{3}\sqrt{2} \times 4\sqrt{2}$$

$$= 192\ cm^3$$

57. The value of θ, when $\sqrt{3}\cos\theta + \sin\theta = 1$ $(0^\circ \le \theta \le 90^\circ)$, is:
A. 90°
B. 30°
C. 60°
D. 0°
Ans. A
Sol.

$$\sqrt{3}\cos\theta + \sin\theta = 1$$

$$3\cos^2\theta = (1 - \sin\theta)^2$$

$$3(1 - \sin^2\theta) = (1 - 2\sin\theta + \sin^2\theta)$$

$$4\sin^2\theta - 2\sin\theta - 2 = 0$$

$$2\sin^2\theta - \sin\theta - 1 = 0$$

$$2\sin^2\theta - 2\sin\theta + \sin\theta - 1 = 0$$

$$(2\sin\theta + 1)(\sin\theta - 1) = 0$$

$$\sin\theta = -\frac{1}{2} \text{ or } 1$$

$\theta = 240^\circ$ or 90° since, $0^\circ \le \theta \le 90^\circ$, therefore $\theta = 90^\circ$

58. If a ΔABC, the sides AB and AC are extended to P and Q, respectively. The bisectors of ∠PBC and ∠QCB intersect at a point R. If ∠R = 66°, then the measure of ∠A is:
A. 24°
B. 48°
C. 72°
D. 36°
Ans. B
Sol.

Using formula,

$$\angle R = 90° - \frac{1}{2}\angle A$$
$$\angle A = 180° - 2\angle R$$
$$\angle A = 180° - 2 \times 66°$$
$$\angle A = 180° - 132° = 48°$$

59. If x + y = 1 and xy (xy – 2) = 12, then the value of $x^4 + y^4$ is:
A. 23
B. 25
C. 19
D. 20
Ans. B
Sol.

$$(x+y)^2 = 1$$
$$2xy = 1 - x^2 - y^2$$

Now,

$$xy(xy-2) = 12$$
$$x^2y^2 - 2xy = 12$$
$$\frac{(1-x^2-y^2)^2}{4} - (1-x^2-y^2) = 12$$
$$1 + x^4 + y^4 - 2x^2 + 2x^2y^2 - 2y^2 - 4 + 4x^2 + 4y^2 = 48$$
$$x^4 + y^4 + 2(x^2 + y^2) + 2x^2y^2 = 51$$
$$x^4 + y^4 + 2[(x+y)^2 - 2xy] + 2x^2y^2 = 51$$
$$x^4 + y^4 + 2(1)^2 - 4xy + 2x^2y^2 = 51$$
$$x^4 + y^4 + 2xy(xy-2) = 51 - 2$$
$$x^4 + y^4 + 2(12) = 49$$
$$x^4 + y^4 = 49 - 24 = 25$$

60. If $a^2 + b^2 + 64c^2 + 16c + 3 = 2(a + b)$, then the value of $4a^7 + b^7 + 8c^2$ is :
A. $3\frac{7}{8}$
B. $4\frac{1}{8}$
C. $5\frac{1}{8}$
D. $4\frac{7}{8}$
Ans. C
Sol.

$$a^2 + b^2 + 64c^2 + 16c + 3 = 2(a+b)$$
$$a^2 - 2a + 1 + b^2 - 2b + 1 + 64c^2 + 16c + 1 = 0$$
$$(a-1)^2 + (b-1)^2 + (8c+1)^2 = 0$$
$$a = 1, b = 1, c = -\frac{1}{8}$$
$$4a^7 + b^7 + 8c^2 = 4(1)^7 + 1^7 + 8\left(-\frac{1}{8}\right)^2 = 5\frac{1}{8}$$

61. On selling an article for Rs. 800, a person loses 20% of its selling price. At what price should he sell it to gain 25% on its cost price?
A. Rs. 1,152
B. Rs. 1,280
C. Rs. 1,250
D. Rs. 1,200
Ans. D
Sol.

CP = SP + Loss $= 800 \times \frac{120}{100} = 960$

Required SP $= 960 \times \frac{125}{100} = Rs.1200$

62. The income of A is 25% more than that of B and the income of C is 65% less than the sum of the incomes of A and B. Income of C is what percent less than the income of A?
A. 32
B. 28
C. 35
D. 37
Ans. D
Sol.

Let income of B = 100, then income of A = 125 and income of C

$$= (100 + 125) \times \frac{35}{100} = 225 \times \frac{35}{100} = \frac{315}{4}$$

Required %

$$= \frac{125 - \frac{315}{4}}{125} \times 100 = \frac{500 - 315}{5 \times 4} \times 4 = 37$$

63. The table shows the production of different types of cars (in thousands).

Cars Year	2014	2015	2016	2017	2018
A	64	56	57	63	70
B	48	54	63	64	72
C	33	42	48	57	64
D	25	45	40	55	35
E	40	48	52	61	60

The total production of type C cars in 2015 and type E cars in 2018 taken together is what percent of the total production of cars in 2014 and 2017 taken together?
A. 20
B. 22
C. 27
D. 25
Ans. A
Sol.
The total production of type C cars in 2015 and type E cars in 2018 = 42 + 60 = 102
Total production of cars in 2014 and 2017 = (64 + 48 + 33 + 25 + 40) + (63 + 64 + 57 + 55 + 61) = 210 + 300 = 510
Required percent $= \frac{102}{510} \times 100 = 20\%$

64. If $a^2 + b^2 + c^2 = 21$, and $a + b + c = 7$, then $(ab + bc + ca)$ is equal to:
A. 14
B. 8
C. 28
D. 12
Ans. A
Sol.
$(a+b+c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ac)$
$7^2 = 21 + 2(ab + bc + ac)$
$ab + bc + ac = \frac{49 - 21}{2} = \frac{28}{2} = 14$

65. If $\sec\theta - \tan\theta = P$, then $\operatorname{cosec}\theta$ =?
A. $\frac{2P}{1+P^2}$
B. $\frac{1-P^2}{1+P^2}$
C. $\frac{P^2+1}{1-P^2}$
D. $\frac{2P}{1-P^2}$
Ans. C
Sol.
$\sec^2\theta - \tan^2\theta = 1$
$(\sec\theta - \tan\theta)(\sec\theta + \tan\theta) = 1$
$\sec\theta + \tan\theta = \frac{1}{P}$
$\sec\theta = \frac{P + \frac{1}{P}}{2} = \frac{P^2+1}{2P}$
$\tan\theta = \frac{\frac{1}{P} - P}{2} = \frac{1-P^2}{2P}$
$\sin\theta = \frac{1-P^2}{2P} \cos\theta = \frac{1-P^2}{2P} \times \frac{2P}{1+P^2} = \frac{1-P^2}{1+P^2}$
$cosec\ \theta = \frac{1+P^2}{1-P^2}$

66. The table shows the production of different types of cars (in thousands).

Cars Year	2014	2015	2016	2017	2018
A	64	56	57	63	70
B	48	54	63	64	72
C	33	42	48	57	64
D	25	45	40	55	35
E	40	48	52	61	60

The total production of type D cars during 2015 to 2017 is what percent less than the total production of type E cars during 2014, 2015, 2016 and 2018 taken together?
A. 35
B. 28
C. 32
D. 30
Ans. D
Sol.
The total production of type D cars during 2015 to 2017 = 45 + 40 + 55 = 140
Total production of type E cars during 2014, 2015, 2016 and 2018 = 40 + 48 + 52 + 60 = 200.
Required percent $= \frac{200-140}{200} \times 100 = \frac{60}{2} = 30\%$

67. If the 8-digit number 179x091y is divisible by 88, the value of (5x – 8y) is:
A. 4
B. 7
C. 9

D. 5
Ans. A
Sol.
Since, the number is divisible by 88, it must be divisible by 11, 8 and 4 also. So, last two digit must be divisible by 4. So, the possible values of y are 2 and 6. Now last three digit must be divisible by 8. So, only for y = 2, the number 912 is divisible by 8. Hence, y = 2. Now, the number is divisible by 11. Therefore, $(-1+7-9+x-0+9-1+y) = (5+x+y) = (5+x+2) = (7+x)$ must be divisible by 11. For x = 4, it is divisible by 11.
$(5x-8y) = 20-16 = 4$

68. The ratio of the efficiencies of A. B and C is 7: 5: 4. Working together, they can finish a work in 35 days. A and B work together for 28 days. The remaining work will be completed (in days) by C alone:
A. 60
B. 63
C. 56
D. 49
Ans. C
Sol.
A:B:C = 7:5:4
(A+B+C): (A+B) = 16:12 = 4:3

$$\frac{M_1D_1}{W_1} = \frac{M_2D_2}{W_2}$$

$$\frac{4\times 35}{1} = \frac{3\times 28}{W_2}$$

$$W_2 = \frac{3}{5}$$

A and B together finish 3/5th of the work in 28 days. Remaining work = 2/5.
Now,
(A+B+C):C = 16:4 = 4:1

$$\frac{4\times 35}{1} = \frac{1\times D}{\frac{2}{5}}$$

$$D = 4\times 35\times \frac{2}{5} = 56$$

69. The value of $2\frac{7}{8} \div \left(3\frac{5}{6} \div \frac{2}{7} \text{ of } 2\frac{1}{3}\right) \times \left[\left(2\frac{6}{7} \text{ of } 4\frac{1}{5} \div \frac{2}{3}\right) \times \frac{5}{9}\right]$ is:
A. 5
B. $\frac{1}{4}$
C. 4
D. $\frac{1}{23}$
Ans. A
Sol.

$$2\frac{7}{8} \div \left(3\frac{5}{6} \div \frac{2}{7} \text{ of } 2\frac{1}{3}\right) \times \left[\left(2\frac{6}{7} \text{ of } 4\frac{1}{5} \div \frac{2}{3}\right) \times \frac{5}{9}\right]$$
$$= \frac{23}{8} \div \left[\frac{23}{6} \div \left(\frac{2}{7} \times \frac{7}{3}\right)\right] \times \left[\left\{\left(\frac{20}{7} \times \frac{21}{5}\right) \div \frac{2}{3}\right\} \times \frac{5}{9}\right]$$
$$= \frac{23}{8} \div \left[\frac{23}{6} \times \frac{3}{2}\right] \times \left[\left\{12 \times \frac{3}{2}\right\} \times \frac{5}{9}\right]$$
$$= \frac{23}{8} \div \frac{23}{4} \times \left[18 \times \frac{5}{9}\right]$$
$$= \frac{23}{8} \times \frac{4}{23} \times 10$$
$$= 5$$

70. AB and CD are two parallel chords of a circle such that AB = 6 cm and CD = 2 AB. Both chords are on the same side of the center of the circle. If the distance between them is equal to one-fourth of the length of CD, then the radius of the circle is:
A. $4\sqrt{5}$ cm
B. $3\sqrt{5}$ cm
C. $5\sqrt{3}$ cm
D. $4\sqrt{3}$ cm
Ans. B
Sol.

AB = 6, CD = 2AB = 12, PQ = CD/4 = 3.
Since, $OQ \perp AB$ and $OP \perp CD$, CP = PD = 6, AQ = QB = 3.
$OD = OB = r$
$OD^2 = OB^2$

$$OP^2 + PD^2 = OQ^2 + QB^2$$
$$OP^2 + 6^2 = (OP + 3)^2 + 3^2$$
$$OP^2 + 36 = OP^2 + 6OP + 9 + 9$$
$$6OP = 18$$
$$OP = 3$$
$$r = \sqrt{OP^2 + PD^2} = \sqrt{9 + 36} = 3\sqrt{5}$$

71. The table shows the production of different types of cars (in thousands).

Cars / Year	2014	2015	2016	2017	2018
A	64	56	57	63	70
B	48	54	63	64	72
C	33	42	48	57	64
D	25	45	40	55	35
E	40	48	52	61	60

The ratio of the total production of type A cars in 2015 and type B cars in 2014 taken together to the total production of type C cars in 2017 and type E cars in 2018 taken together is:
A. 4 : 5
B. 8 : 9
C. 34 : 39
D. 16 : 19
Ans. B
Sol.
Total production of A type cars in 2015 and B type cars in 2014 = 56 + 48 = 104
Total production of type C cars in 2017 and type E cars in 2018 = 57 + 60 = 117
Required ratio = 104:117 = 8:9

72. Anu allows a 20% discount on the marked price of an article and still makes a profit of 25%. If she gains Rs. 44 .80 on the sale of the article, then the cost price of the article is:
A. Rs. 179.20
B. Rs. 188.80
C. Rs. 184.20
D. Rs. 192.80
Ans. A
Sol.
25% of CP = Rs. 44.80
100% of CP $= 44.80 \times \frac{100}{25} = 179.2$

73.The table shows the production of different types of cars (in thousands).

Cars / Year	2014	2015	2016	2017	2018
A	64	56	57	63	70
B	48	54	63	64	72
C	33	42	48	57	64
D	25	45	40	55	35
E	40	48	52	61	60

In the data related to the production of type D cars is represented by a pie chart, then the central angle of the sector representing production of cars in 2015 will be:
A. 63°
B. 99°
C. 72°
D. 81°
Ans. D
Sol.
Required angle
$$= \frac{\text{prod.Of D in 2015}}{\text{Total prod.Of D}} \times 360°$$
$$= \frac{45}{25 + 45 + 40 + 55 + 35} \times 360°$$
$$= \frac{45}{200} \times 360°$$
$$= 81°$$

74. ABCD is a cyclic quadrilateral in which ∠A = 67° and ∠B = 92°. What is the difference the measures of ∠C and ∠D?
A. 19°
B. 27°
C. 29°
D. 25°
Ans. D
Sol.
Since, ABCD is cyclic quadrilateral,
$$\angle C = 180° - \angle A = 180° - 67° = 113°$$
$$\angle D = 180° - \angle B = 180° - 92° = 88°$$
$$\angle C - \angle D = 113° - 88° = 25°$$

75. The area of a triangle is 15 sq cm and the radius of its incircle is 3 cm. Its perimeter is equal to:
A. 12 cm
B. 5 cm
C. 10 cm
D. 20 cm
Ans. C

Sol.
Let A is the area, r is the inradius and s is the semi perimeter of triangle ABC, then

$$A = sr$$

$$s = \frac{A}{r} = \frac{15}{3} = 5$$

$$2s = 10\ cm$$

76. |||Common||| Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No Improvement. |||End|||
She read that novel since she got up in the morning.
A. No improvement
B. reads that novel
C. has been reading that novel
D. has read that novel
Ans. C
Sol.
The past perfect continuous tense (also known as the past perfect progressive tense) shows that an action that started in the past continued up until another time. The past perfect continuous tense is constructed using had been + the verb's present participle (root + -ing). Hence, **option C** is the correct answer.

77. |||Common||| In the sentence identify the segment which contains the grammatical error. |||End|||
Torrential rains and winds of up to 170 km per hour swept away roads, homes and bridges and knocking down power and communication lines.
A. homes and bridges
B. winds of up to
C. knocking down
D. swept away roads
Ans. C
Sol.
The given sentence is in the past tense. Therefore, 'knocking' is grammatically incorrect. It should be 'knocked' to form a grammatically correct sentence. Hence, **option C** is the correct answer.

78. |||Common||| Select the word which means the same as the group of words given. |||End|||
A person who draws or produces maps
A. lexicographer
B. choreographer
C. cartographer
D. calligrapher
Ans. C
Sol.
The meanings of the words are:
Lexicographer: a person who compiles dictionaries.
Choreographer: a person who composes the sequence of steps and moves for a performance of dance.
Cartographer: a person who draws or produces maps.
Calligrapher: a person who is skilled at the art of calligraphy (producing beautiful writing, often with a special pen or brush).
Therefore, **option C** is the correct answer.

79. Select the wrongly spelt word.
A. exercise
B. exite
C. exclaim
D. exchange
Ans. B
Sol.
'Excite' meaning 'cause (someone) to feel very enthusiastic and eager' is incorrectly spelt as 'exite'. Hence, **option B** is the correct answer.

80. |||Common||| In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
Eager to control the South Atlantic, the British Navy had tasked Admiral Byron (###Q1###) settling an island off the South American coast (###Q2###) ships could resupply, and then finding an alternative (###Q3###) to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world's (###Q4###) body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island

(###Q5###). Byron joyously described the island's "beautiful appearance - surrounded by a beach of the finest white sand - and covered with tall trees."
|||End|||
Select the most appropriate option for blank No. (###Q5###). A. showed
B. appeared
C. stood up
D. came out
Ans. B
Sol.
The sentence implies that a tiny island became visible after a month of blue horizon. **'Appear'** meaning 'come into sight; become visible or noticeable, especially without apparent cause' is the apt fit for the blank. Hence, **option B** is the correct answer.

81. Select the most appropriate option for blank No. (###Q4###).
A. more larger
B. larger
C. large
D. largest
Ans. D
Sol.
The superlative form of the adjective 'large' i.e. **'largest'** is required for the blank.
Hence, **option D** is the correct answer.

82. Select the most appropriate option for blank No. (###Q3###).
A. road
B. route
C. means
D. path
Ans. B
Sol.
The British Navy had asked Admiral Byron to find an alternative way to East Indies.
'Route' meaning 'a way or course taken in getting from a starting point to a destination' is the apt fit for the blank.
Hence, **option B** is the correct answer.

83. |||Common||| In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
Eager to control the South Atlantic, the British Navy had tasked Admiral Byron (###Q1###) settling an island off the South American coast (###Q2###) ships could resupply, and then finding an alternative (###Q3###) to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world's (###Q4###) body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island (###Q5###). Byron joyously described the island's "beautiful appearance - surrounded by a beach of the finest white sand - and covered with tall trees."
|||End|||
Select the most appropriate option for blank No. (###Q2###). A. where
B. wherever
C. when
D. there
Ans. A
Sol.
An adverb having the meaning 'to what place or position' is required in the blank.
'Where' meaning 'at, in, or to which (used after reference to a place or situation)' is the correct answer.
Hence, **option A** is the correct answer.

84. |||Common||| In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.
Eager to control the South Atlantic, the British Navy had tasked Admiral Byron (###Q1###) settling an island off the South American coast (###Q2###) ships could resupply, and then finding an alternative (###Q3###) to the East Indies. After rounding the tip of South America, Admiral Byron confronted the world's (###Q4###) body of water: the endless Pacific Ocean. After a month of empty blue horizon, a tiny island (###Q5###). Byron joyously described the island's "beautiful appearance - surrounded by a beach of the finest white sand - and covered with tall trees."
|||End|||
Select the most appropriate option for blank No. (###Q1###).

A. for
B. with
C. of
D. from
Ans. B
Sol.
We use the preposition 'with' after the verb 'tasked'. Therefore, **'with'** should fill in the blank.
Hence, **option B** is the correct answer.

85. |||Common||| Select the word which means the same as the group of words given. |||End|||
A cylindrical container bulging out in the middle, traditionally made of wooden staves for keeping oil, beer etc.
A. bin
B. barrel
C. bale
D. bushel
Ans. B
Sol.
The meanings of the words are:
Bin: a receptacle in which to deposit rubbish.
Barrel: a cylindrical container bulging out in the middle, traditionally made of wooden staves with metal hoops round them.
Bale: a large wrapped or bound bundle of paper, hay, or cotton.
Bushel: a measure of capacity equal to 8 gallons (equivalent to 36.4 litres), used for corn, fruit, liquids, etc.
Therefore, **option B** is the correct answer.

86. |||Common||| Select the correct passive form of the given sentence. |||End|||
Please show me my son's Mathematics notebook.
A. I will please be shown my son's Mathematics notebook.
B. My son may please be shown the Mathematics notebook.
C. My son's Mathematics notebook was please shown to me.
D. I may please be shown my son's Mathematics notebook.
Ans. D
Sol.
The following rules should be considered while changing active form to passive voice:
* The places of subject and object will be interchanged in the sentence.
* Only 3rd form of the verb or Past Participle will be used as a main verb in the Passive Voice.
Therefore, **option D** correctly provides the passive form of the given sentence.

87. |||Common||| Select the synonym of the given word. |||End|||
INEPT
A. fit
B. strong
C. clumsy
D. capable
Ans. C
Sol.
The meanings of the words are:
Inept: having or showing no skill; clumsy.
Fit: of a suitable quality, standard, or type to meet the required purpose.
Strong: having the power to move heavy weights or perform other physically demanding tasks.
Clumsy: awkward in movement or in handling things.
Capable: having the ability, fitness, or quality necessary to do or achieve a specified thing.
Therefore, **option C** is the correct answer.

88. |||Common||| Select the antonym of the given word. |||End|||
EXCEPTIONAL
A. uncommon
B. unimaginable
C. unthinkable
D. unremarkable
Ans. D
Sol.
The meanings of the words are:
Exceptional: unusual; not typical.
Uncommon: out of the ordinary; unusual.
Unimaginable: difficult or impossible to imagine or comprehend.
Unthinkable: (of a situation or event) too unlikely or undesirable to be considered a possibility.

Unremarkable: not particularly interesting or surprising.
Therefore, **option D** is the correct answer.

89. |||Common||| Select the most appropriate word to fill in the blank. |||End|||
A number of Indian goods face a _____ competition from Chinese goods in terms of prices and looks.
A. powerful
B. bold
C. fierce
D. angry
Ans. C
Sol.
The sentence implies that a powerful competition is faced by Indian goods from Chinese goods. 'Fierce' meaning 'powerful and destructive' is the apt fit for the blank. Hence, **option C** is the correct answer.

90. |||Common||| Given below are four jumbled sentences. Select the option that gives their correct order. |||End|||
A) An estimated 70% of this plastic which enters the sea sinks.
B) This is a problem that stretches far beyond India.
C) Eight million tonnes of plastic ends up in the world's oceans every year, causing damage to the fragile ecosystem.
D) And much of it is not biodegradable.
A. ABDC
B. CDBA
C. CADB
D. ADBC
Ans. C
Sol.
The sentence C is the first sentence of the passage as it introduces the subject i.e. 'water pollution caused due to plastic'. 'AD' is a mandatory pair because it mentions that the plastic which enters the sea is not biodegradable. Hence, the rearranged order is **option C** i.e. **CADB.**

91. |||Common||| Select the correct active form of the given sentence. |||End|||
The crop was adversely affected by the inadequate rainfall.
A. The inadequate rainfall adversely affected the crop.
B. The adversely rainfall has affected the inadequate crop.
C. The inadequate rainfall was adversely affecting the crop.
D. The inadequate crop adversely affected the rainfall.
Ans. A
Sol.
The following rules should be considered while changing passive form to active voice:
• Identify the subject of the sentence - who is doing an action?
• Rewrite the sentence so the subject is performing the action.
Therefore, **option B** correctly provides the active form of the given sentence.

92. Select the wrongly spelt word.
A. commission
B. committee
C. comparable
D. consceine
Ans. D
Sol.
Option D has the incorrectly spelt word. The correct spelling is 'conscience' and it means 'a person's moral sense of right and wrong, viewed as acting as a guide to one's behavior'.

93. |||Common||| Given below are four jumbled sentences. Select the option that gives their correct order. |||End|||
A) And 844 million don't have access to clean water close to home, according to the latest report by WaterAid.
B) Around 4 billion people in the world live in physically water-scarce areas.
C) It is because globally we use six times as much water today as we did 100 years ago.
D) The world's water crisis is getting worse.
A. BDCA
B. BADC
C. CADB
D. DACB
Ans. B

Sol.
The sentence B is the first sentence of the passage as it introduces the subject i.e. 'people living in water-scarce areas'. The sentence B gives the number of people living in water-scarce areas. 'And' in the sentence A further adds on the fact that 844 million don't have access to clean water close to home. Therefore, sentence A becomes the second sentence. DC is the mandatory pair as it gives the problem and the reason of water crisis. Hence, the rearranged order is **option B** i.e. **BADC.**

94. |||Common||| In the sentence identify the segment which contains the grammatical error. |||End|||
She lost a big order from a known showroom in case of her own carelessness.
A. She lost a big order
B. her own carelessness
C. in case of
D. from a known showroom
Ans. C
Sol.
The phrase 'in case' means 'as a provision against something happening or being true'. The sentence requires a conjunction which is used to introduce a clause expressing an explanation or reason. 'Because' meaning 'for the reason that; since' should be used instead of 'in case'. Hence, **option C** is the correct answer.

95. |||Common||| Select the antonym of the given word. |||End|||
PARDON
A. kindness
B. grace
C. punish
D. mercy
Ans. C
Sol.
The meanings of the words are:
Pardon: the action of forgiving or being forgiven for an error or offence.
Kindness: the quality of being friendly, generous, and considerate.
Grace: smoothness and elegance of movement.
Punish: inflict a penalty or sanction on (someone) as retribution for an offence, especially a transgression of a legal or moral code.
Mercy: compassion or forgiveness shown towards someone whom it is within one's power to punish or harm.
Therefore, **option C** is the correct answer.

96. |||Common||| Select the synonym of the given word. |||End|||
INARTICULATE
A. eloquent
B. incoherent
C. fluent
D. inevitable
Ans. B
Sol.
The meanings of the words are:
Inarticulate: unable to express one's ideas or feelings clearly or easily.
Eloquent: fluent or persuasive in speaking or writing.
Incoherent: (of spoken or written language) expressed in an incomprehensible or confusing way; unclear.
Fluent: able to express oneself easily and articulately.
Inevitable: certain to happen; unavoidable.
Therefore, **option B** is the correct answer.

97. |||Common||| Select the most appropriate word to fill in the blank. |||End|||
Many items made of ivory were _____ from a dealer in antiques by the custom authorities at the Delhi airport.
A. confiscated
B. hijacked
C. annexed
D. appropriated
Ans. A
Sol.
The sentence implies that the custom authorities seized many items made of ivory.
'Confiscate' means 'take or seize (someone's property) with authority'. This word fits best in the sentence.

Therefore, **option A** is the correct answer.

98. |||Common||| Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No Improvement. |||End|||
If I have money, I purchase this house.
A. I will purchase
B. I have purchased
C. I purchased
D. No improvement
Ans. A
Sol.
The sentence is an example of first conditional sentences.
The first conditional has the present simple after 'if', then the future simple in the other clause:
if + present simple, ... will + infinitive
It's used to talk about things which might happen in the future.
Therefore, **option A** is the correct answer.

99. |||Common||| Select the most appropriate meaning of the given idiom. |||End|||
'Pull someone's leg' A. trust someone
B. tell someone a secret
C. get upset with someone
D. joke with someone
Ans. D
Sol.
The phrase 'pull someone's leg' means 'to joke with someone playfully; to tease someone'.
For example: I love pulling my sister's leg—it's almost too easy to annoy her.
Therefore, **option D** is the correct answer.

100. |||Common||| Select the most appropriate meaning of the given idiom. |||End|||
Actions speak louder than words
A. what you do is more important than what you say
B. look for solutions in the wrong place
C. take up a task that you cannot finish
D. do something without planning
Ans. A
Sol.
The phrase 'actions speak louder than words' means that people are more likely to believe what you do rather than what you say.
For example: Julie always says she'll donate to the school, and she never does, so I doubt she will this year. Actions speak louder than words, after all.
Therefore, **option A** is the correct answer.