Q:1 What approximate value should come in the place of question mark (?) in the following question?

9.89 × 4.99 + 2.01 × 49.89 = ?% of 299.69

1. 25
2. 40
3. 50
4. 75
5. 10

Q:2 What approximate value should come in the place of question mark (?) in the following question?

4.99 × 55.01 × 554.64 = ? × 110.85 × 11.15

1. 125
2. 75
3. 255
4. 310
5. 150

Q:3 What approximate value should come in the place of question mark (?) in the following question?

$9.99 + 19.99 + 29.99 + 39.99 = ?^2$

1. 6
2. 8
3. 12
4. 15
5. 10

Q:4 What approximate value should come in the place of question mark (?) in the following question?

19.89% of 449.67 + 14.67% of 299.89 − 9.89% of 99.79 = ?

1. 75
2. 150
3. 125
4. 100
5. 175

Q:5 What approximate value should come in the place of question mark (?) in the following question?

5.25 × 4.09 + 3.99 × 9.67 + 6.01 × 14.88 = ?

1. 150
2. 120
3. 80
4. 180
5. 200

Q:6 The speed of the boat is 15 km/hour in still water and the speed of the current is 3 km/hour. Find how much distance it will cover in 12 min in downstream?

1. 36 km
2. 4.2 km
3. 5.2 km
4. 3.6 km
5. 8.5 km

Q:7 How many such words can be formed using 9 letters of the word IDENTICAL such that all the vowels are arranged together?

1. 18420
2. 8640
3. 71650
4. 95625
5. 8256

Q:8 Rewin invested a Sum of Rs. 15000 in compound interest rate of 15% for 4 years. While Akash invested Rs. 17000 in simple interest rate of 9% for 5 years. What is the difference in interest earned by Rewin and Akash for 2nd year?

1. Rs. 1240.5
2. Rs. 920.5
3. Rs. 1132.5
4. Rs. 1420.5
5. None of these

Q:9 Ram and Sourav have started working on a project together. Ram can alone complete the work in 15 days while Sourav can complete the work alone in 20 days. After 4 days of work, sourav took a break of 3 days while Ram continued to work. In how many days, project will be completed? (approx.)

1. 9.8
2. 10.5
3. 8.6
4. 10
5. None of these

Q:10 The average temperature of Sunday, Monday and Tuesday was 38ºC, and the average temperature of Monday, Tuesday and Wednesday was 40ºC. If the temperature on Sunday was 39ºC, then find the temperature of Wednesday.
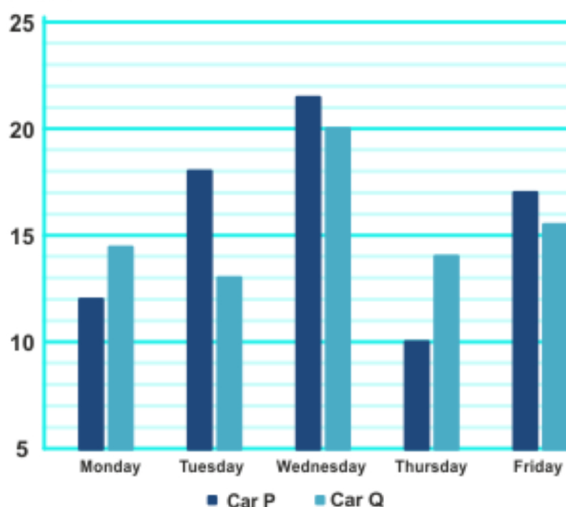
1. 55ºC

2. 65ºC
3. 45ºC
4. 35ºC
5. 75ºC

Direction(11-15) : The bar graph below shows the CNG consumption (In kg) of 2 cars P and Q in 5 different days. Study the graph carefully and answer the questions that follow.

Q:11 Total CNG consumed by car Q on Tuesday, Wednesday and Thursday is how much percentage more than the total CNG consumed by car P on Monday, Tuesday and Thursday?
1. 16.5%
2. 16%
3. 15%
4. 15.5%
5. 17.5%

Q:12 Total expenditure of CNG on Wednesday for car Q was Rs. 1440 and the mileage was 48 km/kg then find the per km cost of CNG on Wednesday for car Q.
1. Rs. 2
2. Rs. 2.5
3. Rs. 1.5
4. Rs. 1.8
5. Rs. 1.2

Q:13 The mileage of car P on Wednesday is 4% less than the mileage of car P on Monday. If the total distance covered by car P on Monday and Wednesday is 1632 km then what was the mileage of car P on Monday?
1. 40 km/kg
2. 45 km/kg
3. 55 km/kg
4. 50 km/kg
5. 60 km/kg

Q:14 Car P and Car Q cover 810 km and 650 km respectively on Tuesday. What will be the ratio of distances covered by car P and Q on Friday if their mileage on Friday remain same as that was on Tuesday?
1. 153 : 155
2. 152 : 155
3. 153 : 154
4. 151 : 155
5. 151 : 154

Q:15 Find the difference of average consumption of CNG per day of car P and car Q in the given five days.
1. 200 grams
2. 250 grams
3. 300 grams
4. 400 grams
5. 350 grams

Q:16 Sumit distributed some amount of money among his 3 children A, B, and C. A received 35% of the total money and B received 3/8 of the remaining money. If C received Rs. 975 then how much amount Sumit had initially?
1. Rs. 2800
2. Rs. 2400
3. Rs. 2000
4. Rs. 2200
5. Rs. 2500

Q:17 Ratio of present ages of Tushar, Garima and Saurav is 5 : 7 : 4. If the sum of their ages after 9 years will be 139 years then what was the age of Garima 5 years ago?
1. 30 years
2. 37 years
3. 48 years
4. 36 years
5. 44 years

Q:18 3 persons A, B, and C start a business by investing

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Rs. 125000, Rs. 200000, and Rs. 275000 respectively. If the profit of the first month is Rs. 84000 then find the difference between the shares of C and A.
1. Rs. 23000
2. Rs. 18000
3. Rs. 24000
4. Rs. 21000
5. Rs. 28000

Q:19 3 inlet pipes A, B, and C can fill a tank in 40 min, 10 min, and 12 min respectively while 2 outlet pipes X and Y can empty the completely filled tank in 30 min and 24 minutes respectively. Pipes B and X were opened and they were closed after 10 minutes. Pipes A, C, and Y are then opened then how much time the remaining tank will get filled?
1. 8 minutes
2. 10 minutes
3. 7 minutes
4. 4 minutes
5. 5 minutes

Q:20 A dishonest shopkeeper sells the mangoes x% above the cost price but uses 980 grams weight instead of 1 kg. If he earns 17% profit by selling the mangoes, find the value of x.
1. 16.66%
2. 15.5%
3. 14%
4. 14.66%
5. 12.33%

Direction (21-25):8:7. If the mixture so formed be worth Rs 10 per kg, The following bar graph tells the number of Covid-19 cases in 5 states of India. The pie chart is also attached which gives the percentage of patients who recovered from these states. A total of 11000 patients has recovered across all these 5 states. Check the graphs and answer accordingly.
(All values in the bar graph are in multiples of 2500)
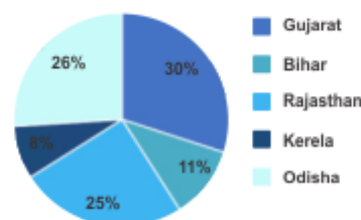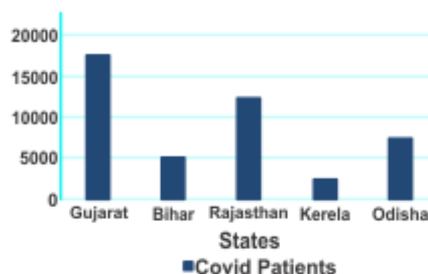
Q:21 What is the average number of patients who have not recovered across all 5 states?
1. 5900
2. 6300
3. 5400
4. 6800
5. 7600

Q:22 If Gujarat and Rajasthan are considered western states, what is the percentage of total patients who have recovered from western states?
1. 15.4%
2. 17.6%
3. 20.1%
4. 22.5%
5. 19.4%

Q:23 In Odisha, 3% of patients died and in Bihar, 2% of patients died due to the disease, what is the difference in number of active cases in these two states?
1. 580
2. 725
3. 440
4. 675
5. 805

Q:24 Which state has the best recovery rate of the patients across these 5 states?
1. Gujarat

2. Bihar

3. Rajasthan

4. Kerala

5. Odisha

Q:25 10% of patients in Gujarat, 15% of patients in Kerala, and 100% of patients in Bihar belong originally to Bihar. What is the percentage of total patients who belong to Bihar across these 5 states?

1. 16.2%

2. 22.3%

3. 17.4%

4. 19.6%

5. 15.8%

Q:26 A and B working alone can finish a piece of work in 24 hours and 40 hours respectively. A and B started working with C then find the time in which the work will be finished if the efficiency of C is 37.5% of the sum of the efficiencies of A and B.

1. 110/13 hours

2. 115/11 hours

3. 120/11 hours

4. 100/11 hours

5. 120/13 hours

Q:27 If $5x^2 - 13xy + 6y^2 = 0$, then x : y = ?

1. (5 : 3) or (1 : 2)

2. only (5 : 3)

3. only (2 : 1)

4. (3 : 5) or (2 : 1)

5. only (3 : 5)

Q:28 The ratio of present ages of Rohan and Tarun is 5 : 7 and the ratio of present ages of Rohan and Chinmay is 10 : 13. If the ratio of ages of Tarun and Chinmay will be 16 : 15 after 8 years, then what was the sum of ages of Rohan and Tarun 5 years ago?

1. 62 years

2. 74 years

3. 86 years

4. 82 years

5. 70 years

Q:29 One amount of wheat at Rs 9.30 per kg is mixed with another quality at a certain rate in ratio 8:7. If the mixture so formed be worth Rs 10 per kg,

what is the rate per kg of the second quality of wheat?

1. Rs. 10.30

2. Rs. 10.60

3. Rs. 10.80

4. Rs. 11

5. Rs. 13.54

Q:30 Total surface area of cylinder is 704 cm^2 and ratio of height and radius of base of the cylinder is 3 : 4. What will be the volume of that cylinder?

1. 384π cm^3

2. 243π cm^3

3. 518π cm^3

4. 423π cm^3

5. None of these

Direction (31-35): In each of these questions, two equations (I) and (II) are given. You have to solve both equations and mark the appropriate answer.

Q:31 I. $4x^2 + 48x + 140 = 0$

II. $3y^2 + 9y - 84 = 0$

1. x > y

2. x ≥ y

3. x < y

4. x ≤ y

5. x = y or Relationship between x and y cannot be determined

Q:32 I. x(15x − 4) = 4

II. $8y^2 - 18y + 9 = 0$

1. x > y

2. x ≥ y

3. x < y

4. x = y or Relationship between x and y cannot be determined

5. x ≤ y

Q:33 I. $2x^2 - (5 + 2\sqrt{5})x + 5\sqrt{5} = 0$

II. $y^2 - 5y + 25/4 = 0$

1. x > y

2. x ≥ y

3. x < y

4. x = y or Relationship between x and y cannot be determined

5. $x \leq y$

Q:34 I. $8x^2 - 22x + 15 = 0$
II. $3y^2 - 13y + 14 = 0$
1. $x > y$
2. $x \geq y$
3. $x < y$
4. $x \leq y$
5. $x = y$ or Relationship between x and y cannot be determined

Q:35 I. $x^2 + 21x - 22 = 0$
II. $y^2 - 21y + 20 = 0$
1. $x > y$
2. $x \geq y$
3. $x < y$
4. $x \leq y$
5. $x = y$ or Relationship between x and y cannot be determined

Direction (36-40): Read the given information carefully and answer the following questions.

Seven friends namely A, B, C, D, E, F, and G are going on a trip to different cities, the cities are Mumbai, Delhi, Kurg, Shimla, Ooty, Patna, and Varanasi but not necessarily in the same order. Only one person is going to a particular city. Three of them travel by train and the remaining travel by bus.

B went to Mumbai but not by Train. Either C or D is going to Ooty. E travels by train and he went to Shimla. A travels by train but not to Kurg, Patna, or Delhi. Both F and G travel by Bus but not to Varanasi. The one who travels to Ooty travel by train. G doesn't travel to Patna or Kurg. D doesn't travel to Patna and also doesn't take a train.

Q:36 Who travels to Ooty for the trip?
1. D
2. C
3. F
4. G
5. None of these

Q:37 Who travels to Varanasi for the trip?
1. A
2. F
3. G

4. D
5. C

Q:38 To which city F went for the trip?
1. Delhi
2. Kurg
3. Ooty
4. Patna
5. None of these

Q:39 Choose the correct combination.
1. A - Varansi - Bus
2. C - Ooty - Train
3. F - Patna - Train
4. G - Delhi - Train
5. None of these

Q:40 Find the odd one out.
1. Mumbai
2. Kurg
3. Delhi
4. Patna
5. Shimla

Direction (41-43): In the questions, four statements are given, followed by four conclusions, I, II, III, and IV. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Q:41 Statements:
Only a few As are Bs.
Only a few Bs are Cs.
No B is a D.
All Ds are Es.
Conclusions:
I. Some Es being Cs is a possibility.
II. Some Ds being Cs is a possibility.
III. Some As are Cs.
IV. No A is a C.
1. Only conclusions I and II follow
2. Either conclusion III or IV follows
3. No conclusion follows
4. Both I and II & Either III or IV follows
5. All conclusions follow

Q:42 Statements:
All cars are trucks.
Some cars are ships.
Some trucks are trains.
No truck is a cycle.
Conclusions:
I. Some trucks are ships.
II. Some trains being trucks is a possibility.
III. No car is a cycle.
IV. Some trucks are cars.
1. Only conclusions I and II follow
2. Only conclusions I, III and IV follow
3. Only conclusions II and III follow
4. All conclusions follow
5. No conclusion follows

Q:43 Statements:
Some animals are cows.
Some cows are hens.
All hens are birds.
No hen is a pigeon.
Conclusions:
I. Some animals are hens.
II. Some cows are birds.
III. No bird is a pigeon.
IV. Some animals are pigeons.
1. Only I follows
2. Only II follows
3. Only III and IV follow
4. None follows
5. Only I and II follow

Direction (44-48): Read the information carefully and answer the following questions.
Eight people A, B, C, D, E, F, G and H works in a firm. Each of them has a different designation i.e. CEO, Founder, Director, Clerk, Salesman, Manager, PO and Supervisor but not necessarily in the same order. Each person goes to a different city of India. The one who is a manager, goes to Manali. B goes to chennai and his designation is either founder or clerk. G works at the post of PO. The one who goes to Hampi is not the CEO of the firm. A goes to to either Delhi or Chennai. Either C or D is the director of the firm, who goes to Mysuru. F is the manager of the firm. D goes to coorg. The one who goes to puri has a designation of PO in the firm. One of the person goes to Ujjain. H is not the clerk and goes to either Hampi or

coorg. The CEO of the firm goes to Delhi. E is neither clerk nor Supervisor. The one who goes to coorg is clerk.

Q:44 Who among the following is Founder and Salesman respectively?
1. E and B
2. A and C
3. B and E
4. C and A
5. G and F

Q:45 In a certain way, E is related to Ujjain and H is related to Hampi. In that similar way who is related to Mysuru?
1. D
2. A
3. F
4. B
5. C

Q:46 Find the odd one out.
1. A- CEO- Delhi
2. C- Director- Mysuru
3. F- Manager- Manali
4. D- Salesman- Ujjain
5. G- PO- Puri

Q:47 Who among the following is Supervisor of the firm?
1. E
2. A
3. B
4. H
5. G

Q:48 Who among the following is the CEO?
1. B
2. A
3. C
4. D
5. F

Directions (49-52): Read the given information carefully and answer the following questions.
In a family of eight members A, B, C, D, E, F, G and H there are two married couples. H is the cousin of G. D is E's uncle. E and his brother are unmarried. B is married but

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not to F or G. C is the sister of E's uncle. E's father does not have any brothers or sisters. H is the nephew of D. F is A's daughter. G is D's daughter. B is not a female. F and G are siblings.

Q:49 How is A related to D?
1. Father-in-law
2. Wife
3. Husband
4. Son
5. Daughter

Q:50 How many male members are there in the family?
1. Two
2. Five
3. Four
4. Three
5. One

Q:51 How many female members are there in the family?
1. One
2. None
3. Three
4. Two
5. Four

Q:52 How is E related to D?
1. Brother
2. Sister
3. Mother
4. Father
5. Nephew

Directions (53-57): Read the given information carefully and answer the following questions.

12 people are sitting in two parallel rows, 6 people in each row. People sitting in a row facing south like different flowers and the people sitting in a row facing north like different fruits. Neither N nor L likes Cherry. The one, who likes Banana, sits to the left of the one, who likes Apple. H does not like Lotus and Rose. G and W do not like Daisy. M sits fourth to the right of S, who likes Mango. The one, who likes Lilly, sits immediately right of the one, who sits opposite S. Two people sit between the ones, who like Lilly and Rose. Q sits to the left of the one, who likes Rose and sits two places away from the one, who likes Jasmine. Three people sit between Q and R. V sits third to the right of G, who does not like fruit. N sits

third to the left of O. J sits second to the right of L and does not sit opposite S. J sits opposite the one, who likes Tulip. The one, who likes Litchi, sits immediately right of the one, who likes Grapes. Neither L nor O likes Grapes.

Q:53 Who likes Daisy?
1. U
2. R
3. Q
4. H
5. None of these

Q:54 Who among the following sits opposite R?
1. J
2. M
3. N
4. S
5. None of these

Q:55 How many people sit to the right of the one, who likes Cherry?
1. 2
2. 3
3. 1
4. 4
5. None

Q:56 Which of the following is liked by W?
1. Lotus
2. Rose
3. Banana
4. Apple
5. None of these

Q:57 Find the odd one out.
1. R
2. G
3. N
4. M
5. O

Direction (58-59): Study the following alphanumeric series carefully and answer the question given below.
G 4 T 6 D 8 K A N 7 O R V 6 M 2 8 S 8 H L 2 Q 8 4 F J 6 S

Q:58 How many numbers are just preceded by a consonant but not followed by another consonant in the given series?
1. Three
2. Four
3. Two
4. More than four
5. None of the above

Q:59 How many even numbers are there in the given series?
1. 9
2. 10
3. 11
4. 8
5. 12

Q:60 Which word can be formed by rearranging the letters of the word 'Sacrifice'?
1. Mice
2. Crow
3. Rifle
4. Scarf
5. Cease

Directions (61-65): Read the given information carefully and answer the following questions.
In a certain language,
'Book and copy notes' is coded as ' B#X H@M W#Z P@Y'
'College home school' is coded as ' O@H V@S V%X'
'Mobile needs battery' is coded as' V%N H@M B@Y'

Q:61 What is the code for 'Mobile'?
1. V@N
2. H@M
3. V%X
4. V%N
5. None of these

Q:62 What will be the code for 'Student'?
1. G$T
2. G#T
3. G@T
4. G@H
5. None of these

Q:63 What will be the code for 'University'?
1. B%F
2. B#U
3. U#B
4. F%B
5. None of these

Q:64 What will be the code for 'laptop'?
1. K#O
2. K@O
3. O#K
4. O@K
5. None of these

Q:65 What is the code for 'Home'?
1. H@M
2. H%M
3. V@S
4. V#S
5. V%S

Direction (66-70): Read the given information carefully and answer the following questions.
Six friends A, B, C, D, E, and F are sitting around a triangular table in such a way that three are facing toward the center of the table and three are facing away from the center. Those sitting at the corners are facing away from the center and those sitting around the sides are facing toward the center. C sits third to the left of A. E sits 2nd to the right of C. B is not an immediate neighbor of C. D sits 2nd to the right of A and 2nd to the left of F, who is facing inside.

Q:66 Who is sitting fourth to the left of F?
1. B
2. C
3. A
4. D
5. E

Q:67 Which statement is correct?
1. A sits third right of F
2. D sits third right of B
3. E and F are immediate neighbours
4. C faces center
5. All are correct

Q:68 Find the odd option.
1. B
2. C
3. E
4. D
5. None of these

Q:69 How many persons are sitting between A and D while counting from left of A?
1. None
2. One
3. Two
4. Three
5. Four

Q:70 Who is sitting third to the left of F?
1. E
2. A
3. B
4. D
5. None of these

Direction (71-73): Read each sentence to find out whether there is any grammatical/idiomatic error in it. Find out the sentence that has grammatical or idiomatic error in it. If there is no error then mark option 5 i.e. 'No Error' as your answer.

Q:71 The Union Ministry of Environment, Forests and Climate Change (MoEFCC) (A)/ notifies draft environmental standards for an bulk drug and (B)/ pharmaceutical manufacturing industry. The proposed standards aim to limit the (C)/ concentration of antibiotics and other toxins in effluents from the bulk drug manufacturing sector. (D).
1. A
2. B
3. C
4. D
5. No Error

Q:72 The growth of the sector has come at a cost to the environment. (A)/ Toxic chemicals are used extensively to manufacture drugs. (B)/ Several studies have reported the contamination of air, water and soil in and around (C)/ bulk drug manufacturing facility in Patancheru, Baddi, Cuddalore and other places.

1. C
2. B
3. A
4. D
5. No error

Q:73 In addition to toxic emissions from manufacturing, an equal (A)/ threat are posed by antibiotic pollution and active pharmaceutical ingredients (APIs) are released (B)/ into the environment during the drug-manufacturing process and in the case of antibiotics (C)/ the release of untreated APIs in wastewater streams has been shown to contribute to the spread of antimicrobial resistance (AMR). (D)
1. No error
2. A
3. D
4. B
5. C

Direction (74-75): In the following paragraphs, emboldened parts are grammatically correct while the other parts may have an error in it. If there is no error then mark E option i.e. No error.

Q:74 Ms. Bachelet expressed hope that they **(A) / will soon establish a Permanent Forum on people (B)/** of **African descent, and draft a related UN declaration on respecting (C)/** their human rights: the first step toward a treaty that would be legally binding **(D)/** No error **(E)**
1. A
2. B
3. C
4. D
5. E

Q:75 Now, at the wake of worsening (A)/**trade relationship with many European countries**, (B)/American companies have been (C)/searching for opportunities (D)/ in other countries, including India (E).
1. A
2. C
3. D
4. E
5. No error

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Direction (76-79): In the following questions, two columns are given containing three sentences/phrases each. In the first column sentences/phrases are A, B and C and in the second column sentences/phrases are D, E and F. A sentence/phrase from the first column may or may not connect with another sentence/phrase from the second column to make a grammatically and contextually correct sentence. Each question has five options, four of which display the sequence(s) in which the sentences/phrases can be joined to form a grammatically and contextually correct sentence. If none the options given forms a correct sentence after combination, mark option (5), i.e. "None of these" your answer.

Q:76

Column1	Column2
A. In a statement, the department advised the public, and teachers in particular, that the Ministry of Health's protocols must be observed upon returning to work.	D. Thus, emphasis should be on exploring the scientific and sustainable usage of renewable sources of energy like solar, wind, biogas etc. for which our country has proved to be a potent candidate.
B. Mining, if continues, will compromise with the existence of the ecology and the environment which is the basis of life for all the living beings.	E. Faucets and sinks should be cleaned and disinfected often; custodial and maintenance staff should document any health and safety concerns.
C. If the facility was closed for 7 days or more, there is no need to implement a special COVID-19 cleaning and disinfecting exercise as current evidence suggest that the SARS-COV-2 virus does not survive on surfaces longer than this period.	F. The Ministry of the Environment and Housing and the Department of Environmental Health Services takes the threat of COVID-19 seriously and urges the public to be cautious. It is necessary for essential workers to return to their jobs as a matter of urgency.

1. A-C
2. B-D
3. A-F
4. C-D and B-F
5. None of these

Q:77

Column1	Column2
A. Additionally, biophysical diversity of microorganisms, flora and fauna provides extensive knowledge which carry.	D. Custodial and maintenance staff should document any health and safety concerns.
B. However, only through shifting energy sources, judicious utilization, public awareness, sustainable governance and inputs from unbiased institutions that can reduce the exploitation of ecology.	E. People in the high risk category are to remain home, the statement read.
C. It will be challenging to lower the dependency on coal with the existing trend of investments.	F. Important benefits for biological, health, and pharmacological sciences.

1. A-D and C-F
2. B-F
3. C-D
4. A-F
5. None of these

Q:78

Column1	Column2
A. Over the past couple of decades that I've been doing this work, a part of it has always been being on the front lines with those who are trying to help make change happen.	D. A non-profit organization that connects the hip-hop community to the civic process to build power and create positive change.
B. That no communities, whether rural or urban, have to have their lives cut short.	E. It pushes for individuals to think about the way they consume; for businesses to develop greener models; for farmers and manufacturers to produce more sustainably; for governments to safeguard wild spaces; for educators to inspire students to live in harmony with the Earth; and for youth to become fierce gatekeepers of a green future.
C. World Environment Day offers a global platform for inspiring positive change.	F. We know that communities of color, lower wealth communities and Indigenous peoples are the ones that are being disproportionately impacted from that.

1. B-E
2. A-F
3. C-E
4. A-D and C-E
5. None of these

Q:79

Column1	Column2
A. We've also got 24 million people in our country who have asthma.	D. Many have felt a strengthened connection to their local neighbours and local environments.
B. Then we had police officers who did the nefarious things that they did to take his life.	E. But we also know that if we don't put a spotlight on it, then nothing's going to change.
C. Physical distancing forced us to find new (and some old) ways of satisfying those needs. We found new ways of taking care of each other and showing our affection, and new ways of working.	F. These things are not surprising or new – our basic needs have always been there.

1. C-D
2. A-D
3. B-E
4. C-F
5. None of these

Direction (80-81): Following are the sentences having one blank in each.The words which could represent each sentence are given below in the options. Choose the appropriate word so as to fit the blanks and make the

entire sentence grammatically and contextually meaningful.

Q:80 If his life was to be dedicated to the service of his fellowmen, if spiritual enlightenment was to be the goal of his striving, he must for ever _____ the lust of flesh and observe strict celibacy or what Hindu scriptures called brahmacharya.
1. Swathe
2. Vindicate
3. Rarefy
4. Abjure
5. Retain

Q:81 81The control of epidemics and communicable diseases in advanced countries was a _____ of general progress in education, in science, sanitation and economic well-being.
1. Concomitant
2. Clamor
3. Dispel
4. Emulate
5. Inimical

Direction (82-84): Select the phrase/connector from the given options which can be used to combine the given two sentences into a single sentence, implying the same meaning.

Q:82 A. Iraq will allow the Reuters news agency to go back to work
B. Its licence was suspended earlier this month over a report that the government was under-reporting coronavirus cases.
1. Before
2. After
3. Meanwhile
4. Therefore
5. Though

Q:83 A. President Kovind too decided to strictly follow the Health Ministry's protocol
B. One Lok Sabha member, who was part of a delegation of MPs from Uttar Pradesh and Rajasthan invited by President Kovind for a breakfast meeting, announced self-qurantine.
1. But
2. Not
3. After
4. Where
5. Therefore

Q:84 A. Even though 4G usage has picked up considerably in the country, 65 per cent of subscribers on incumbent operators' network are still using 2G/3G services,
B. Mobile handsets are more affordable compared to 4G smartphones.
1. But
2. For
3. Nor
4. As
5. So

Direction (85-86): In the following sentence, a part of the sentence is emboldened. Below are given alternatives to the emboldened part,which may improve or replace the meaning of the sentence. Choose the correct alternative. In case no improvement is needed, choose the alternative that indicates 'No improvement.'

Q:85 Leema **told her teacher** to explain the whole lesson once again.
1. Said her teacher
2. Adviced her teacher
3. Asked her teacher
4. Called her teacher
5. No Improvement

Q:86 The speaker of Lok Sabha **broke away** the meeting as it turned violent.
1. Broke off
2. Broke through
3. Broke up
4. Broke out
5. No Improvement

Direction (87-91): Read the following passsage carefully and answer the questions given below.
The effect of Corona virus is badly felt and noticed in the

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world's most developed countries like USA, Britain and Germany etc. Obviously, India was bound to be affected not only because of its domestic slowdown but also because of international recession. Learning the lessons from the developed countries like Spain and Italy, India put all its machinery and material into motion to curb and/or prevent the disease. What started as one day Janta Curfew on 22.03.2020 by the Prime Minister of India and lockdowns by some of the state governments, the entire country was declared to be under lockdown from the midnight of 24.03.2020, and the same continues to be so till now or atleast till 03.05.2020, unless extended.

Resultantly, everything and every activity, barring the activities relating to and concerning with the essential supplies came to a complete grinding halt. Though the improvement in the environment due to such a lockdown was a silver lining, however the toll on economy due to this lockdown is too early to be estimated.

While presenting the Finance Bill for the year 2020-21, the Union Government on 01.02.2020 had reasonably estimated India's nominal GDP growth rate (i.e., real growth + inflation) of 10 percent, however, the same now seems far from reality and certainty. The slowdown in demand, closure of production activities, fall in the global price of crude oil, ban on foreign trade, price decrease in the commodities like energy, metals and fertilizers, restrictions on the aviation industry as also on tourism, amongst others, are bound to exert downward pressure on the inflation, thus adversely affecting the economy chart. (1) It is believed that India's _____lockdown could bring the country's growth down to 2.5 percent from 4.5 percent it had earlier estimated. However, as per a statement released by Chief India Economist of Goldman Sachs on 09.04.2020, the economic growth of India has been estimated at a low figure of 1.6% only.

Overall uncertainty and lack of demand, coupled with no investment seen in near future, the Indian stock markets crashed. A UN report estimated a trade impact of more than USD 350 million on India due to this outbreak, making India one of the top worst affected economies across the world. During the same time, Asian Development Bank estimated the loss to Indian economy due to this outbreak upto USD 29.9 billion. The worst crash of Indian stock market by 2352.6 points on one single day on 12.03.2020 is a cause of concern for all the Indian economists and economic advisors. However, after the declaration of complete lockdown, Sensex and Nifty gained a little, adding a value of about USD 66 billion to investors' wealth. The trend however reveals that the curve has been meandrical with absolute uncertainty.

Q:87 What does the phrase "Silver Lining" implies as according to the passage?
1. The miserable side of a situation that might seem very overwhelming.
2. The hopeful side of a situation that might seem gloomy on the surface.
3. A ray of Misery.
4. The dark side having silver outliners.
5. Ray of sunlight.

Q:88 Which of the following will be the antonym of the word "Certainty"?
1. Assurance
2. Conviction
3. Certitude
4. Precariousness
5. Reliance

Q:89 Which of the following will fit the best in the blank given (1) in the passage?
1. Aggressive
2. Ultimate
3. Robust
4. Troth
5. Authentic

Q:90 Which of the following is the meaning of the word "Exert"?
1. (Of a person) avoiding work; lazy.
2. Apply or bring to bear (a force, influence, or quality).
3. (Of an engine) run slowly while disconnected from a load or out of gear.
4. Without purpose or effect; pointless.
5. Spend time doing nothing.

Q:91 Which of the following is one of the top worst affected economies across the world according to a UN report estimation due to the outbreak?
1. China
2. USA
3. India
4. Britain
5. Germany

Direction (92-95): Read the following passage carefully and answer the questions that follow.

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Nature is sending us a message with the coronavirus pandemic and the ongoing climate crisis, according to the UN's environment chief, Inger Andersen. Andersen said humanity was placing too many pressures on the natural world with damaging consequences and warned that failing to take care of the planet meant not taking care of ourselves. Leading scientists also said the Covid-19 outbreak was a "clear warning shot", given that far more deadly diseases existed in wildlife, and that today's civilisation was "playing with fire". They said it was almost always human behaviour that caused diseases to spill over into humans.

To prevent further outbreaks, the experts said, both global heating and the destruction of the natural world for farming, mining and housing have to end, as both drive wildlife into contact with people. They also urged authorities to put an end to live animal markets – which they called an "ideal mixing bowl" for disease – and the illegal global animal trade. Andersen, executive director of the UN Environment Programme, said the immediate priority was to protect people from the coronavirus and prevent its spread. "But our long-term response must tackle habitat and biodiversity loss," she added. "Never before have so many opportunities existed for pathogens to pass from wild and domestic animals to people," she told, explaining that **75% of all emerging infectious diseases come from wildlife**. Our continued **(1)erosion** of wild spaces has brought us uncomfortably close to animals and plants that harbour diseases that can jump to humans. Human infectious disease outbreaks are rising and in recent years there have been Ebola, bird flu, Middle East respiratory syndrome (Mers), Rift Valley fever, sudden acute respiratory syndrome (Sars), West Nile virus and Zika virus all cross from animals to humans. "The emergence and spread of Covid-19 was not only predictable, but it was also predicted [in the sense that] there would be another viral emergence from wildlife that would be a public health threat," said Prof Andrew Cunningham, of the Zoological Society of London. **A 2007 study of the 2002-03 Sars outbreak** concluded: "The presence of a large reservoir of Sars-CoV-like viruses in horseshoe bats, together with the culture of eating **(2) exotic** mammals in southern China, is a timebomb."

Cunningham said other diseases from wildlife had much higher fatality rates in people, such as 50% for Ebola and 60%-75% for Nipah virus, transmitted from bats in south Asia. "Although you might not think it at the moment, we've probably got a bit lucky with [Covid-19]," he said. "So I think we should be taking this as a clear warning shot. It's a throw of the dice." It's almost always a human

behaviour that causes it and there will be more in the future unless we change," said Cunningham. Markets butchering live wild animals from far and wide are the most obvious example, he said. A market in China is believed to have been the source of Covid-19.

The animals have been _____(3) over large distances and are crammed together into cages. They are stressed and immunosuppressed and excreting whatever pathogens they have in them," he said. "With people in large numbers in the market and in intimate contact with the body fluids of these animals, you have an ideal mixing bowl for [disease] emergence. If you wanted a scenario to maximise the chances of [transmission], I couldn't think of a much better way of doing it." The Covid-19 crisis may provide an opportunity for change, but Cunningham is not convinced it will be taken: "I thought things would have changed after Sars, which was a massive wake up call – the biggest economic impact of any emerging disease to that date," he said.

Q:92Which of the following correctly symbolizes the meaning of 'Erosion' as stated in the passage?
1. Construction
2. Attrition
3. Accretion
4. Erection
5. Fabrication

Q:93 Which of the following is/are TRUE according to the passage?
a) They said it was almost always human behaviour that caused diseases to spill over into humans.
b) They also urged authorities to continue to keep the live animal markets open.
c) To prevent further outbreaks, the experts said, both global heating and the destruction of the natural world for farming, mining and housing have to end.
d) The immediate priority was not to protect people from the coronavirus and prevent its spread.
e) Our continued erosion of wild animals has brought us uncomfortably close to wild spaces and plants that harbour diseases that can jump to humans.
1. Only a
2. Only b and c
3. Only c and d
4. Only a and c
5. Only e

Q:94 What did the leading scientists exactly say about the Covid-19 outbreak?

1. Humanity was placing too many pressures on the natural world with damaging consequences.

2. That it was a "clear warning shot" and that today's civilisation was "playing with fire".

3. Warned that failing to take care of the planet meant not taking care of ourselves.

4. That the destruction of the natural world for farming, mining and housing have to end.

5. Called an "ideal mixing bowl" for disease – and the illegal global animal trade.

Q:95 Which of the following words is the opposite in meaning to the word marked as (2) in the passage?

1. Strange

2. Outlandish

3. Unusual

4. Foreign

5. Native

Direction (96-100): Read the following passage and answer the given questions.

Global consumers are displaying a growing appetite for engaging, high-definition visual experiences. Moviegoers are demanding high-quality productions with engaging visual effects and realistic animation and studios are including more animation and VFX shots into films. Consumers are consuming more **(1)immersive** *content* across channels such as ultra-high-definition TVs, tablets and smartphones to head-mounted devices. Animation, VFX and games content is being consumed not only on Netflix, Amazon, Hulu, and Twitch, but also on YouTube, Twitter, and Facebook. With the growing internet penetration and access to multimedia devices, customers are spending more time streaming digital content. Streaming video is the fastest-growing distribution channel for animation and is witnessing double-digit growth and the same is expected to continue. This growth is attributed to the **(2)exponential** growth in the number of online video viewers throughout the world. The demand for animation, VFX and video gaming has expanded with the increase in targeted broadcasting hours by cable and satellite TV, availability of low-cost internet access, penetration of mobile devices along the growing popularity of streaming video.

In addition, the demand for Animation and VFX content to power immersive experiences such as Augmented Reality and Virtual Reality is growing exponentially. The rapid advancement of technology has made animation, VFX & games available to the masses, and this industry has become one of the fastest-growing segments in the global media and entertainment market. We are increasingly seeing more animation, VFX and game production taking place in a globally distributed mode. Production work is becoming global with countries as well as regions offering tax incentives, subsidies, financial support, regional low labor costs, etc. and companies are cutting costs by setting up facilities in such regions. Cloud computing is playing a key role in character rendering and modeling processes as the cloud-based rendering of animation films is more effective and efficient as it reduces the time and cost compared to traditional rendering. Cloud Gaming services that are growing at an exponential pace would need the right pricing model to both drive adoption and generate sufficient returns for platforms and publishers. The availability of low-cost micro-payment systems is allowing users to pay for access or download small quantities of digital content and is the key for the online games market to grow.

Artificial Intelligence and Machine Learning based _____ (3) are being used for in-game analytics, customer acquisition, retention, cross-sell, churn, classify player behavior, etc.

Q:96 Which of the following words given below will be the **antonym** of the word marked as (1) in the passage?

1. Alluring

2. Submergence

3. Monotonous

4. Captivating

5. Riveting

Q:97 Why are customers spending more time streaming digital content?

1. The demand for animation, VFX and video gaming has expanded with the increase in targeted broadcasting hours.

2. Augmented Reality and Virtual Reality is growing exponentially.

3. Increasingly seeing more of animation, VFX and game production.

4. The growing internet penetration and access to multimedia devices.

5. With engaging visual effects and realistic animation and studios are including more animation and VFX shots into films.

Q:98 Which of the following can replace the word **'exponential'** as mentioned in the passage?

1. Haltingly

2. Ascendingly

3. Sedatively

4. Imperceptive

5. Leisurely

Q:99 Which of the following plays a key role in character rendering and modeling processes, according to the passage?

1. VFX and game production

2. Head-mounted devices

3. High-quality productions with engaging visual effects.

4. Cloud computing

5. The rapid advancement of technology

Q:100 Which of the following words can fill the blank given at (3) in the passage?

1. Lawsuits

2. Litigations

3. Proficiencies

4. Estimates

5. Remainings

Answer Key

1. (3)	2. (1)	3. (5)	4. (3)	5. (1)
6. (4)	7. (2)	8. (2)	9. (1)	10. (3)
11. (5)	12. (3)	13. (4)	14. (1)	15. (3)
16. (2)	17. (5)	18. (4)	19. (5)	20. (4)
21. (4)	22. (3)	23. (2)	24. (5)	25. (5)
26. (3)	27. (4)	28. (3)	29. (3)	30. (1)
31. (5)	32. (3)	33. (5)	34. (3)	35. (4)
36. (2)	37. (1)	38. (4)	39. (2)	40. (5)
41. (4)	42. (2)	43. (2)	44. (3)	45. (5)
46. (4)	47. (4)	48. (2)	49. (2)	50. (3)
51. (5)	52. (5)	53. (4)	54. (3)	55. (1)
56. (2)	57. (5)	58. (1)	59. (3)	60. (4)
61. (4)	62. (4)	63. (1)	64. (2)	65. (3)
66. (3)	67. (2)	68. (4)	69. (4)	70. (1)
71. (2)	72. (4)	73. (4)	74. (4)	75. (1)
76. (2)	77. (4)	78. (3)	79. (1)	80. (4)
81. (1)	82. (2)	83. (3)	84. (4)	85. (3)
86. (3)	87. (2)	88. (4)	89. (1)	90. (2)
91. (3)	92. (2)	93. (4)	94. (2)	95. (5)
96. (3)	97. (4)	98. (2)	99. (4)	100. (3)

Answers and Solutions

Q:1 The correct answer is **option 3** i.e **50.**
$9.89 \times 4.99 + 2.01 \times 49.89 = ?\%$ of 299.69
Taking approximate values,
$10 \times 5 + 2 \times 50 = ?\% \times 300$
$150/300 = ?/100$
$? = 50$

Q:2 The correct answer is **option 1** i.e. **125.**
$4.99 \times 55.01 \times 554.64 = ? \times 110.85 \times 11.15$
Taking approximate values,
$5 \times 55 \times 555 = ? \times 111 \times 11$
$? = (5 \times 55 \times 555)/(111 \times 11)$
$? = 125$

Q:3 The correct answer is **option 5** i.e **10.**
$9.99 + 19.99 + 29.99 + 39.99 = ?^2$
Taking approximate values,
$10 + 20 + 30 + 40 = ?^2$
$100 = ?^2$
$? = 10$

Q:4 The correct answer is **option 3** i.e **125.**

19.89% of $449.67 + 14.67\%$ of $299.89 - 9.89\%$ of $99.79 = ?$
Taking approximate values,
20% of $450 + 15\%$ of $300 - 10\%$ of $100 = ?$
$0.20 \times 450 + 0.15 \times 300 - 0.10 \times 100 = ?$
$90 + 45 - 10 = ?$
$? = 125$

Q:5 The correct answer is **option 1** i.e **150.**
$5.25 \times 4.09 + 3.99 \times 9.67 + 6.01 \times 14.88 = ?$
Taking approximate values,
$5 \times 4 + 4 \times 10 + 6 \times 15 = ?$
$20 + 40 + 90 = ?$
$? = 150$

Q:6 The correct answer is **Option 4** i.e. **3.6 km**

Understanding	Application
Tricks	Total speed in downstream = (15 + 3) km/hour
Now	speed = distance/time $\Rightarrow 18 = $ distance$/(12 \times 1/60)$ $\Rightarrow 18 = 5 \times$ distance
Hence	$\Rightarrow$ Distance $= 18/5 = 3.6$ km

Q:7 The correct answer is **option 2** i.e. **8640**

Understanding	Application
Given vowels	IDENTICAL $\Rightarrow$ I E I A = 4
Now when we make a word	the word should be 6 letters 5 others and 1 combine to the vowel
tricks	total no. $= 6! \times 4!/2!$ (as I is repeated) $= 720 \times 12 = 8640$

Q:8 The correct answer is **option 2** i.e. **Rs. 920.5.**
Interest earned by Rewin in 2nd year = Interest earned in

17

two years - Interest earned in 1st year
⇒ 15000 × 1.15 × (1.15 - 1)
⇒ 15000 × 1.15 × 0.15
⇒ Rs. 2587.5
Interest earned by Akash will be the same each year (as it is simple interest)
Hence, the interest earned by Akash in 2nd year
⇒ 17000 × 1.09 (1.09 - 1)
⇒ Rs.1667
Required difference = (2587.5 - 1667) = Rs. 920.5

Q:9 The correct answer is **option 1** i.e. **9.8**

Understanding	Application
Let, the total work be 60 units (LCM of 15 and 20)	
Work done by Ram in 1 day = 60/15 = 4 units	
Work done by Sourav in 1 day = 60/20 = 3 units	
Together, they will do 7 unit work per day.	
So, for first 4 days, work done = 7 × 4 = 28 units	Total time = 7 + 2.8 = **9.8 days**
For, next 3 days, Ram worked alone, So work done in next 3 days = 3 × 4 = 12 units	
So, for first 7 days, work done = 28 + 12 = 40 units	
Work remaining = 60 - 40 = 20 unit	
Now, both of them will work together, hence time required = 20/7 = 2.8 days	

Q:10 The correct answer is **option 3** i.e. **45°C.**
Average temperature

⇒ S + M + T = 38
⇒ M + T + W = 40
Now,
⇒ S + M + T = 3 × 38 = 114......(i)
⇒ M + T + W = 3 × 40 = 120....(ii)
From eq (i) and (ii)
⇒ W - S = 6
Since the Temperature on Sunday = 39°C
So,
⇒ W = (6 + 39) = 45
Hence,
⇒ W = 45°C

Q:11 The correct answer is **option 5** i.e. **17.5%**
Total CNG consumed by car Q on Tuesday, Wednesday and Thursday
= 13 + 20 + 14
= 47 kg
Total CNG consumed by car P on Monday, Tuesday and Thursday
= 12 + 18 + 10
= 40 kg
Hence,
Required percentage = [(47 − 40)/40] × 100 = 17.5%

Q:12 The correct answer is **option 3** i.e. **Rs. 1.5**
From the bar graph:
Car Q consumes 20 kg on Wednesday.
Since the mileage is 48 km/kg:
So, Total distance travelled = 48 × 20 = 960 km
Total expense = Rs. 1440
So,
Per km cost of CNG on Wednesday for car Q = 1440/960 = Rs. 1.5

Q:13 The correct answer is **option 4** i.e. **50 km/kg.**
From the bar graph:
Car P consumes 12 kg and 21.5 kg on Monday and Wednesday respectively.
Suppose the mileage of car P on Monday = x km/kg
So,
12x + 21.5 × 0.96x = 1632
12x + 20.64x = 1632
32.64x = 1632
x = 50
Hence, the mileage of car P on Monday = 50 km/kg

Q:14 The correct answer is **option 1** i.e. **153 : 155.**
From the bar graph:
Car P and Q consumes 18 kg and 13 kg respectively on Tuesday.
So,
Mileage of car P = 810/18 = 45 km/kg
Mileage of car Q = 650/13 = 50 km/kg
So,
Ratio of distances covered by car P and Q on Friday
= (17 × 45) : (15.5 × 50)
= 765 : 775
= 153 : 155

Q:15 The correct answer is **option 3** i.e. **300 grams.**
From the bar graph:
Average consumption of CNG per day of car P = [12 + 18 + 21.5 + 10 + 17]/5
= 78.5/5
= 15.7 kg
Average consumption of CNG per day of car Q = [14.5 + 13 + 20 + 14 + 15.5]/5
= 77/5
= 15.4 kg
Hence,
Required difference = 15.7 − 15.4 = 0.3 kg or 300 grams

Q:16 The correct answer is **option 2** i.e. **Rs. 2400**
Suppose Sumit had Rs. P initially.
So,
Amount remaining after distributing to A = (1 − 0.35)P = 0.65P
Now,
B received 3/8th of the remaining money;
So, C received 5/8th (= 1 − 3/8) of the remaining money.
Hence,
5/8 × 0.65P = 975
5P/8 = 1500
P = 2400
Hence, Sumit initially had Rs. 2400

Q:17 The correct answer is **option 5** i.e. **44 years**
Suppose the present ages of Tushar, Garima and Saurav are 5x, 7x and 4x respectively.
Given, sum of their ages after 9 years will be 139 years
So,
(5x + 7x + 4x) + 9 × 3 = 139

16x = 139 − 27
16x = 112
x = 7
Hence, age of Garima 5 years ago = 7 × 7 − 5 = 44 years

Q:18 The correct answer is **option 4** i.e. **Rs. 21000**
Ratio in which the profit will be shared = 125000 × 1 : 200000 × 1 : 275000 × 1
= 5 : 8 : 11
Total profit = Rs. 84000
Hence,
Difference of share of C and A = [(11 − 5)/24] × 84000
= 6 × 3500
= **Rs. 21000**

Q:19 The correct answer is **option 5** i.e. **5 minutes.**
Suppose the total capacity of the tank = 120 units (LCM of 40, 10, 12, 30, and 24)
So,
Efficiency of A = 120/40 = 3
Efficiency of B = 120/10 = 12
Efficiency of C = 120/12 = 10
Efficiency of X = 120/30 = 4
Efficiency of Y = 120/24 = 5
Pipes B and X were opened for 10 minutes
So,
Quantity of water filled in 10 minutes = (12 − 4) × 10 = 80 units
Remaining quantity = (120 − 80) = 40 units
So,
Time taken by Pipes A, C and Y = 40/(3 + 10 − 5) = 5 minutes

Q:20 The correct answer is **option 4** i.e. **14.66%**
Suppose CP of 1 kg mangoes = Rs. A
Since the shopkeeper uses 980 grams instead of 1 kg:
CP of 980 gm mangoes
= 0.98A
Profit earned = 17%
So,
SP = 0.98A × 1.17
= 1.1466A
Since the shopkeeper sells the mangoes x% above the cost price
So,
x = [(1.1466A − A)/A] × 100

x = 14.66%

Q:21 The correct answer is **Option 4** i.e. **6800**
Total patients across 5 states = 17500 + 5000 + 12500 + 2500 + 7500 = 45000
Now, 11000 of them have recovered.
So, non recovered = 45000 - 11000 = 34000
Average of non recovered patients across 5 states = 34000/5 = 6800

Q:22 The correct answer is **Option 3** i.e. **20.1%**
Total Patients from Gujarat and Rajasthan = 17500 + 12500 = 30000
Patients recovered from Gujarat = 30% of 11000 ⇒ 0.3 × 11000 = 3300
Patients recovered from Rajasthan = 25% of 11000 ⇒ 0.25 × 11000 = 2750
Total = 3300 + 2750 = 6050
Hence,
Percentage of recovered patients from these two states = 6050/30000 × 100 = 20.1%

Q:23 The correct answer is **Option 2** i.e. **725**
Total cases in Odisha = 7500
3% died i.e. 3/100 × 7500 = 225
Number of recovered patients in Odisha = 26% of 11000 ⇒ 0.26 × 11000 = 2860
Hence, number of active cases = 7500 - 225 - 2860 = 4415
Total Cases in Bihar = 5000
2% died i.e. 2/100 × 5000 = 100
Number of recovered patients in Bihar = 11% of 11000 ⇒ 0.11 × 11000 = 1210
Hence, number of active cases = 5000 - 100 - 1210 = 3690
Difference in number of active cases = 4415 - 3690 = 725

Q:24 The correct answer is **Option 5** i.e. **Odisha**
Total cases in **Gujarat** = 17500
Total recovered = 0.3 × 11000 = 3300
Recovery percentage = 3300/17500 × 100 = 18.8%
Total cases in **Bihar** = 5000
Total recovered = 0.11 × 11000 = 1210
Recovery percentage = 1210/5000 × 100 = 24.2%
Total cases in **Rajasthan** = 12500
Total recovered = 0.25 × 11000 = 2750
Recovery percentage = 2750/12500 × 100 = 22%

Total cases in **Kerela** = 2500
Total recovered = 0.08 × 11000 = 880
Recovery percentage = 880/2500 × 100 = 35.2%
Total cases in **Odisha** = 7500
Total recovered = 0.26 × 11000 = 2860
Recovery percentage = 2860/7500 × 100 = 38.1%
Hence, Odisha has the highest recovery rate.

Q:25 The correct answer is **Option 5** i.e. **15.8%**
Total patients = 17500 + 5000 + 12500 + 2500 + 7500 = 45000
Now,
Total patients from bihar = 10% in Gujarat + 15% in kerela + 100% in Bihar
⇒ 0.1 × 17500 + 0.15 × 2500 + 1 × 5000 = 7125
Relative percentage = 7125/45000 × 100 = 15.8%

Q:26 The correct answer is **option 3** i.e. **120/11 hours**

Understanding	Application
Suppose total work = 120 units (LCM of 24 and 40)	So, Efficiency of A = 120/24 = 5 Efficiency of B = 120/40 = 3
The efficiency of C is 37.5% of sum of efficiencies of A and B	So, Efficiency of C = (5 + 3) × 0.375 = 8 × 3/8 = 3
	So, Time taken by A, B and C to complete the work = 120/(5 + 3 + 3) = 120/11 hours

Q:27 The correct answer is **Option 4** i.e. **(3 : 5) or (2 : 1)**

20

$5x^2 - 13xy + 6y^2 = 0$

$\Rightarrow 5x^2 - 10xy - 3xy + 6y^2 = 0$

$\Rightarrow 5x(x - 2y) - 3y(x - 2y) = 0$

$\Rightarrow (5x - 3y)(x - 2y) = 0$

$\Rightarrow (5x - 3y) = 0$ or $(x - 2y) = 0$

$\Rightarrow x : y = 3 : 5$ or $2 : 1$

Q:28 The correct answer is **option 3** i.e. **86 years.**

The ratio of the present ages of Rohan and Tarun is 5 : 7 and the ratio between the present ages of Rohan and Chinmay is 10 : 13

So,

Ratio of ages of Rohan, Tarun and Chinmay

$\Rightarrow (5 \times 2) : (7 \times 2) : (13) = 10 : 14 : 13$

Suppose the present ages of Tarun and Chinmay are 14x and 13x respectively

Given:

The ratio of ages of Tarun and Chinmay will be 16 : 15 after 8 years

So,

$\Rightarrow (14x + 8)/(13x + 8) = 16/15$

$\Rightarrow 210x + 120 = 208x + 128$

$\Rightarrow 2x = 8$

$\Rightarrow x = 4$

So,

Present ages:

Tarun = 56 years, Chinmay = 52 years and, Rohan = 40 years

So,

Sum of ages of Rohan and Tarun 5 years ago = (56 + 40) − 10 = 86 years

Q:29 The correct answer is **Option 3** i.e. **10.8**

Let the rate of the second quantity be R

By, the rule of alligation, we have:

Cost price of 1 kg wheat of first kind
9.30

Cost price of 1 kg wheat of 2nd kind
a

Mean price
10
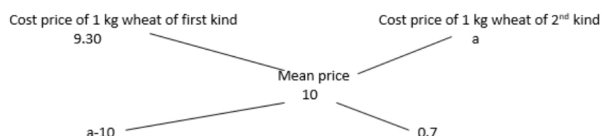
a-10   0.7

$(a-10) \div 0.7 = 8 \div 7$

$\Rightarrow a-10 = 0.8$

$\Rightarrow a = 10.8$

Q:30 The correct answer is **option 1** i.e. **384π cm³**

Let the height and base radius of the cylinder be 3x and 4x respectively.

Total surface area of the cylinder = $2\pi r(h + r)$

$\Rightarrow 704 = 2 \times (22/7) \times 4x \times (3x + 4x)$

$\Rightarrow 704 = 176x^2$

$\Rightarrow x^2 = 4$

$\Rightarrow x = 2$

Base radius = 4x = 8 cm

Height = 3x = 6 cm

Volume of the cylinder = $\pi r^2 h = \pi \times 8^2 \times 6 = 384\pi$ cm³

Q:31 The correct answer is **option 5** i.e. **x = y or Relationship between x and y cannot be determined.**

Equation I	Equation II
$4x^2 + 48x + 140 = 0$	$3y^2 + 9y − 84 = 0$
$x^2 + 12x + 35 = 0$	$y^2 + 3y − 28 = 0$
$x^2 + 7x + 5x + 35 = 0$	$y^2 + 7y − 4y − 28 = 0$
$x(x + 7) + 5(x + 7) = 0$	$y(y + 7) − 4(y + 7) = 0$
$(x + 5)(x + 7) = 0$	$(y + 7)(y − 4) = 0$
x = -5, -7	y = 4, -7

We can analyse,

Value of x	Value of y	Result
-5	4	x < y
-5	-7	x > y
-7	4	x < y
-7	-7	x = y

Hence, x = y or Relationship between x and y cannot be determined.

Q:32 The correct answer is **Option 3** i.e. **x < y.**

Equation I	Equation II
$x(15x − 4) = 4$	$8y^2 − 18y + 9 = 0$
$15x^2 − 4x − 4 = 0$	$8y^2 − 12y − 6y + 9 = 0$
$5x(3x − 2) + 2(3x − 2) = 0$	$4y(2y − 3) − 3(2y − 3) = 0$
$(3x − 2)(5x + 2) = 0$	$(2y − 3)(4y − 3) = 0$
x = 2/3, -2/5	y = 3/4, 3/2

We can conclude that,

Value of x	Value of y	Result
2/3	3/4	x < y
2/3	3/2	x < y
-2/5	3/4	x < y
-2/5	3/2	x < y

Hence, x < y

Q:33 The correct answer is **Option 5** i.e. **x ≤ y.**

Equation I	Equation II
$2x^2 - (5 + 2\sqrt{5})x + 5\sqrt{5} = 0$	$y^2 - 5y + 25/4 = 0$
$2x^2 - 2\sqrt{5}x - 5x + 5\sqrt{5} = 0$	$4y^2 - 20y + 25 = 0$
$2x(x - \sqrt{5}) - 5(x - \sqrt{5}) = 0$	$4y^2 - 10y - 10y + 25 = 0$
$(x - \sqrt{5})(2x - 5) = 0$	$(2y - 5)(2y - 5) = 0$
$x = \sqrt{5}, 5/2$	$y = 5/2$

We can conclude that,

Value of x	Value of y	Result
$\sqrt{5}$	5/2	x < y
5/2	5/2	x = y

Hence, x ≤ y.

Q:34 The correct answer is **Option 3** i.e. **x < y.**

Equation I	Equation II
$8x^2 - 22x + 15 = 0$	$3y^2 - 13y + 14 = 0$
$8x^2 - 12x - 10x + 15 = 0$	$3y^2 - 6y - 7y + 14 = 0$
$4x(2x - 3) - 5(2x - 3) = 0$	$3y(y - 2) - 7(y - 2) = 0$
$(4x - 5)(2x - 3) = 0$	$(3y - 7)(y - 2) = 0$
$x = 5/4, 3/2$	$y = 7/3, 2$

We can analyse,

Value of x	Value of y	Result
5/4	7/3	x < y
5/4	2	x < y
3/2	7/3	x < y
3/2	2	x < y

Hence, x < y

Q:35 The correct answer is **Option 4** i.e. **x ≤ y.**

Equation I	Equation II
$x^2 + 21x - 22 = 0$	$y^2 - 21y + 20 = 0$
$x^2 + 22x - x + 22 = 0$	$y^2 - 20y - y + 20 = 0$
$x(x + 22) - 1(x + 22) = 0$	$y(y - 20) - 1(y - 20) = 0$
$(x + 22)(x - 1) = 0$	$(y - 20)(y - 1) = 0$
$x = -22, 1$	$y = 20, 1$

We can analyse,

Value of x	Value of y	Result
-22	20	x < y
-22	1	x < y
1	20	x < y
1	1	x = y

Hence, x ≤ y

Q:36 The correct answer is **Option 2** i.e. **C**

1) B travels to Mumbai but not by train.

2) E travels to Shimla by train.

3) A travels by train but not to Kurg, Patna, or Delhi.

4) F and G travel by Bus but not to Varanasi. So, through elimination A travels to Varanasi because either C or D travels to Ooty.

5) G doesn't travel to Patna or Kurg, so G travels to Delhi by elimination.

6) D doesn't travel to Patna and also doesn't travel by train, so F travels to Patna.

7) The one who travels to Ooty takes a train, so C travels to Ooty and D travels to Kurg by bus.

Persons	City	Transport
A	Varanasi	Train
B	Mumbai	Bus
C	Ooty	Train
D	Kurg	Bus
E	Shimla	Train
F	Patna	Bus
G	Delhi	Bus

Clearly, C travels to Ooty.

Hence, the correct answer is **C.**

Q:37 The correct answer is **Option 1** i.e. **A**

1) B travels to Mumbai but not by train.

2) E travels to Shimla by train.

3) A travels by train but not to Kurg, Patna, or Delhi.

4) F and G travel by Bus but not to Varanasi. So, through elimination A travels to Varanasi because either C or D travels to Ooty.

5) G doesn't travel to Patna or Kurg, so G travels to Delhi by elimination.

6) D doesn't travel to Patna and also doesn't travel by train, so F travels to Patna.

7) The one who travels to Ooty takes a train, so C travels to Ooty and D travels to Kurg by bus.

Persons	City	Transport
A	Varanasi	Train
B	Mumbai	Bus
C	Ooty	Train
D	Kurg	Bus
E	Shimla	Train
F	Patna	Bus
G	Delhi	Bus

Clearly, A travels to Varanasi.

Hence, the correct answer is **A.**

Q:38 The correct answer is **Option 4** i.e. **Patna**

1) B travels to Mumbai but not by train.

2) E travels to Shimla by train.

3) A travels by train but not to Kurg, Patna, or Delhi.

4) F and G travel by Bus but not to Varanasi. So, through elimination A travels to Varanasi because either C or D travels to Ooty.

5) G doesn't travel to Patna or Kurg, so G travels to Delhi by elimination.

6) D doesn't travel to Patna and also doesn't travel by train, so F travels to Patna.

7) The one who travels to Ooty takes a train, so C travels to Ooty and D travels to Kurg by bus.

Persons	City	Transport
A	Varanasi	Train
B	Mumbai	Bus
C	Ooty	Train
D	Kurg	Bus
E	Shimla	Train
F	Patna	Bus
G	Delhi	Bus

Clearly, F travels to Patna.

Hence, the correct answer is **Patna.**

Q:39 The correct answer is **Option 2** i.e. **C-Ooty- Train**

1) B travels to Mumbai but not by train.

2) E travels to Shimla by train.

3) A travels by train but not to Kurg, Patna, or Delhi.

4) F and G travel by Bus but not to Varanasi. So, through elimination A travels to Varanasi because either C or D travels to Ooty.

5) G doesn't travel to Patna or Kurg, so G travels to Delhi by elimination.

6) D doesn't travel to Patna and also doesn't travel by train, so F travels to Patna.

7) The one who travels to Ooty takes a train, so C travels to Ooty and D travels to Kurg by bus.

Persons	City	Transport
A	Varanasi	Train
B	Mumbai	Bus
C	Ooty	Train
D	Kurg	Bus
E	Shimla	Train
F	Patna	Bus
G	Delhi	Bus

Clearly, C-Ooty-Train is the correct combination.

Hence, the correct answer is **C-Ooty-Train.**

Q:40 The correct answer is **Option 5** i.e. **Shimla**

1) B travels to Mumbai but not by train.

2) E travels to Shimla by train.

3) A travels by train but not to Kurg, Patna, or Delhi.

4) F and G travel by Bus but not to Varanasi. So, through elimination A travels to Varanasi because either C or D travels to Ooty.

5) G doesn't travel to Patna or Kurg, so G travels to Delhi by elimination.

6) D doesn't travel to Patna and also doesn't travel by train, so F travels to Patna.

7) The one who travels to Ooty takes a train, so C travels to Ooty and D travels to Kurg by bus.

Persons	City	Transport
A	Varanasi	Train
B	Mumbai	Bus
C	Ooty	Train
D	Kurg	Bus
E	Shimla	Train
F	Patna	Bus
G	Delhi	Bus

Clearly, all cities are travelled by bus except Shimla.

Hence, the correct answer is **Shimla.**

Q:41 The correct answer is **Option 4** i.e. **Both I and II & Either III or IV follows**

The least possible Venn diagram for the given statements is drawn below:
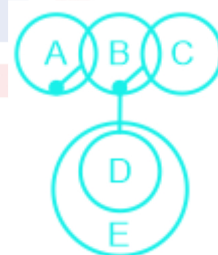
Conclusions:

I. Some Es being Cs is a possibility - **True** (The possibility is true as no direct relationship between the two is given. The possibility diagram is shown below)
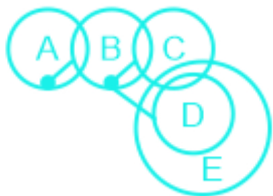

II. Some Ds being Cs is a possibility - **True** (The possibility

is true as no direct relationship between the two is given. The possibility diagram is shown below)

III. Some As are Cs - **False** (It is a possibility but not definite as there is no direct relationship shown between A and C)

IV. No A is a C - **False** (It is a possibility but not definite as there is no direct relationship shown between A and C)

Both conclusions III and IV are forming a complementary pair.

Hence, the correct answer is **Both I and II & Either III or IV follows.**

Q:42 The correct answer is **Option 2** i.e. **Only conclusions I, III and IV follow**

The least possible diagram for the given statements is drawn below:
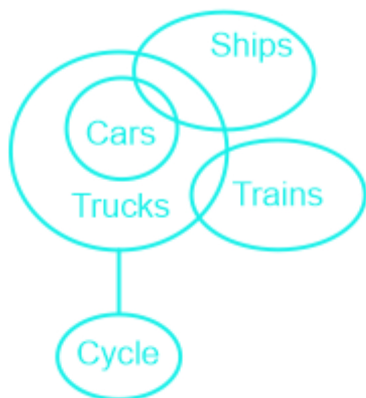
Conclusions:

I. Some trucks are ships - **True** (Some cars are ships and all cars are trucks. Thus, some trucks are definitely ships)

II. Some trains being trucks is a possibility - **False** (It is already given that some trucks are trains, so it is definite that at least some trains are trucks. When we have definite case, we do not consider it to be a possible case. Hence the possibility is false)

III. No car is a cycle - **True** (All cars are trucks and no trucks is a cycle. Thus, no car is a cycle)

IV. Some trucks are cars- **True** (All cars are trucks. Thus, some trucks are definitely cars)

Hence, the correct answer is **Only conclusions I, III and IV follow.**

Q:43 The correct answer is **Option 2** i.e. **Only II follows**

The least possible Venn diagram for the given statements is drawn below:

Conclusion:

I. Some animals are hens - **False** (It is possible but not definite as there is no direct relation between them)

II. Some cows are birds - **True** (Some cows are hens and all hens are birds is given so there is a direct relation between them which we can see in the Venn diagram)

III. No bird is a pigeon - **False** (It is possible but not definite as there is no direct relation between them)

IV. Some animals are pigeons - **False** (It is possible but not definite as there is no direct relation between them)

Hence, the correct answer is **Only II follows.**

Q:44 The correct answer is **Option 3** i.e. **B and E**

Let's solve the puzzle:

The one who is a manager, goes to Manali.

B goes to chennai and his designation is either founder or clerk.

G works at the post of PO.

Person	Designation	City
	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	

A goes to to either Delhi or Chennai(Since we know that B goes chennai, which means A goes to Delhi)

Either C or D is the director of the firm, who goes to Mysuru.

F is the manager of the firm.

The one who goes to puri has a designation of PO in the firm(This means G goes to Puri)

Person	Designation	City
F	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	Puri
A		Delhi
C/D	Director	Mysuru

D goes to coorg(This means D is not the Director, So C is Director of the firm.)

The one who goes to Hampi is not the CEO of the firm.

The one who goes to coorg is clerk.(This means D is clerk)

E is neither clerk nor Supervisor.(This means E is Salesman)

H is not the clerk and goes to either Hampi or coorg(Since D goes to coorg, H will go to Hampi and he is Supervisor)

The CEO of the firm goes to Delhi(This means A is the CEO.)

One of the person goes to Ujjain.(Only E is left, so E goes to Ujjain)

Person	Designation	City
F	Manager	Manali
B	Founder	Chennai
G	PO	Puri
A	CEO	Delhi
C	Director	Mysuru
D	Clerk	Coorg
H	Supervisor	Hampi
E	Salesman	Ujjain

B is the founder and E is salesman of the firm.

Hence, the correct answer is **B and E.**

Q:45 The correct answer is **Option 5** i.e. **C**

Let's solve the puzzle:

The one who is a manager, goes to Manali.

B goes to chennai and his designation is either founder or clerk.

G works at the post of PO.

Person	Designation	City
	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	

A goes to to either Delhi or Chennai(Since we know that B goes chennai, which means A goes to Delhi)

Either C or D is the director of the firm, who goes to Mysuru.

F is the manager of the firm.

The one who goes to puri has a designation of PO in the firm(This means G goes to Puri)

Person	Designation	City
F	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	Puri
A		Delhi
C/D	Director	Mysuru

D goes to coorg(This means D is not the Director, So C is

Director of the firm.)

The one who goes to Hampi is not the CEO of the firm.

The one who goes to coorg is clerk.(This means D is clerk)

E is neither clerk nor Supervisor.(This means E is Salesman)

H is not the clerk and goes to either Hampi or coorg(Since D goes to coorg, H will go to Hampi and he is Supervisor)

The CEO of the firm goes to Delhi(This means A is the CEO.)

One of the person goes to Ujjain.(Only E is left, so E goes to Ujjain)

Person	Designation	City
F	Manager	Manali
B	Founder	Chennai
G	PO	Puri
A	CEO	Delhi
C	Director	Mysuru
D	Clerk	Coorg
H	Supervisor	Hampi
E	Salesman	Ujjain

E is related to Ujjain and H is related to Hampi. In that similar way **C** is related to Mysuru as he goes to Mysuru.

Hence, the correct answer is **C.**

Q:46 The correct answer is **Option 4** i.e. **D- Salesman-Ujjain**

Let's solve the puzzle:

The one who is a manager, goes to Manali.

B goes to chennai and his designation is either founder or clerk.

G works at the post of PO.

Person	Designation	City
	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	

A goes to to either Delhi or Chennai(Since we know that B goes chennai, which means A goes to Delhi)

Either C or D is the director of the firm, who goes to Mysuru.

F is the manager of the firm.

The one who goes to puri has a designation of PO in the firm(This means G goes to Puri)

Person	Designation	City
F	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	Puri
A		Delhi
C/D	Director	Mysuru

D goes to coorg(This means D is not the Director, So C is Director of the firm.)

The one who goes to Hampi is not the CEO of the firm.

The one who goes to coorg is clerk.(This means D is clerk)

E is neither clerk nor Supervisor.(This means E is Salesman)

H is not the clerk and goes to either Hampi or coorg(Since D goes to coorg, H will go to Hampi and he is Supervisor)

The CEO of the firm goes to Delhi(This means A is the CEO.)

One of the person goes to Ujjain.(Only E is left, so E goes to Ujjain)

Person	Designation	City
F	Manager	Manali
B	Founder	Chennai
G	PO	Puri
A	CEO	Delhi
C	Director	Mysuru
D	Clerk	Coorg
H	Supervisor	Hampi
E	Salesman	Ujjain

In all the options persons are correctly matched with their designation and respective cities except in the option 'D-Salesman- Ujjain'.

D- Salesman- Ujjain is the odd one.

Hence, the correct answer is **D- Salesman- Ujjain.**

Q:47 The correct answer is **Option 4** i.e. **H**

Let's solve the puzzle:

The one who is a manager, goes to Manali.

B goes to chennai and his designation is either founder or clerk.

G works at the post of PO.

Person	Designation	City
	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	

A goes to to either Delhi or Chennai(Since we know that B goes chennai, which means A goes to Delhi)

Either C or D is the director of the firm, who goes to Mysuru.

F is the manager of the firm.

The one who goes to puri has a designation of PO in the firm(This means G goes to Puri)

Person	Designation	City
F	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	Puri
A		Delhi
C/D	Director	Mysuru

D goes to coorg(This means D is not the Director, So C is Director of the firm.)

The one who goes to Hampi is not the CEO of the firm.

The one who goes to coorg is clerk.(This means D is clerk)

E is neither clerk nor Supervisor.(This means E is Salesman)

H is not the clerk and goes to either Hampi or coorg(Since D goes to coorg, H will go to Hampi and he is Supervisor)

The CEO of the firm goes to Delhi(This means A is the CEO.)

One of the person goes to Ujjain.(Only E is left, so E goes to Ujjain)

Person	Designation	City
F	Manager	Manali
B	Founder	Chennai
G	PO	Puri
A	CEO	Delhi
C	Director	Mysuru
D	Clerk	Coorg
H	Supervisor	Hampi
E	Salesman	Ujjain

H is the supervisor of the firm.
Hence, the correct answer is **H.**

Q:48 The correct answer is **Option 2** i.e. **A**
Let's solve the puzzle:
The one who is a manager, goes to Manali.
B goes to chennai and his designation is either founder or clerk.
G works at the post of PO.

Person	Designation	City
	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	

A goes to to either Delhi or Chennai(Since we know that B goes chennai, which means A goes to Delhi)
Either C or D is the director of the firm, who goes to Mysuru.
F is the manager of the firm.
The one who goes to puri has a designation of PO in the firm(This means G goes to Puri)

Person	Designation	City
F	Manager	Manali
B	Founder/ Clerk	Chennai
G	PO	Puri
A		Delhi
C/D	Director	Mysuru

D goes to coorg(This means D is not the Director, So C is Director of the firm.)
The one who goes to Hampi is not the CEO of the firm.
The one who goes to coorg is clerk.(This means D is clerk)
E is neither clerk nor Supervisor.(This means E is Salesman)
H is not the clerk and goes to either Hampi or coorg(Since D goes to coorg, H will go to Hampi and he is Supervisor)
The CEO of the firm goes to Delhi(This means A is the CEO.)
One of the person goes to Ujjain.(Only E is left, so E goes to Ujjain)

Person	Designation	City
F	Manager	Manali
B	Founder	Chennai
G	PO	Puri
A	CEO	Delhi
C	Director	Mysuru
D	Clerk	Coorg
H	Supervisor	Hampi
E	Salesman	Ujjain

A is the CEO.
Hence, the correct answer is **A.**

Q:49 The correct answer is **Option 2** i.e. **Wife**

D is E's uncle. C is the sister of E's uncle. E's father does not have any brothers or sisters. (This means that C is E's mother.)

H is the nephew of D. H is the cousin of G. E and his brother are unmarried. B is married but not to F or G. F is A's daughter. G is D's daughter. B is not a female. F and G are siblings.

By making the family tree, we get all the family relations and genders:
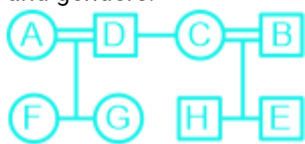
Hence, the correct answer is **Wife**.

Q:50 The correct answer is **Option 3** i.e. **Four**

D is E's uncle. C is the sister of E's uncle. E's father does not have any brothers or sisters. (This means that C is E's mother.)

H is the nephew of D. H is the cousin of G. E and his brother are unmarried. B is married but not to F or G. F is A's daughter. G is D's daughter. B is not a female. F and G are siblings.

By making the family tree, we get all the family relations and genders:
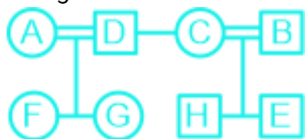
Hence, the correct answer is **Four**.

Q:51 The correct answer is **Option 5** i.e. **Four**

D is E's uncle. C is the sister of E's uncle. E's father does not have any brothers or sisters. (This means that C is E's mother.)

H is the nephew of D. H is the cousin of G. E and his brother are unmarried. B is married but not to F or G. F is A's daughter. G is D's daughter. B is not a female. F and G are siblings.

By making the family tree, we get all the family relations and genders:
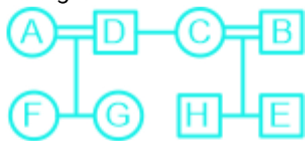
Hence, the correct answer is **Four**.

Q:52 The correct answer is **Option 5** i.e. **Nephew**

D is E's uncle. C is the sister of E's uncle. E's father does not have any brothers or sisters. (This means that C is E's mother.)

H is the nephew of D. H is the cousin of G. E and his brother are unmarried. B is married but not to F or G. F is A's daughter. G is D's daughter. B is not a female. F and G are siblings.

By making the family tree, we get all the family relations and genders:
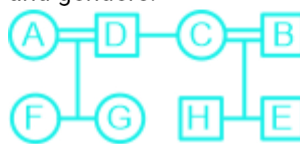
Hence, the correct answer is **Nephew**.

Q:53 The correct answer is **Option 4** i.e. **H**

M sits fourth to the right of S, who likes Mango.

The one, who likes Lilly, sits immediately right of the one, who sits opposite S.

Two people sit between the ones, who like Lilly and Rose.

Q sits to the left of the one, who likes Rose and sits two places away from the one, who likes Jasmine.

Three people sit between Q and R.

V sits third to the right of G, who does not like fruit.

N sits third to the left of O.

J sits second to the right of L and does not sit opposite S.

J sits opposite the one, who likes Tulip.

The one, who likes Litchi, sits immediately right of the one, who likes Grapes.

Neither L nor O likes Grapes.

Neither N nor L likes Cherry.

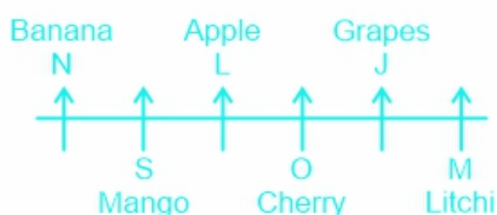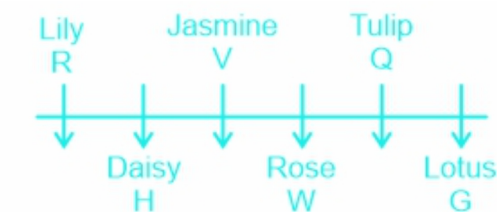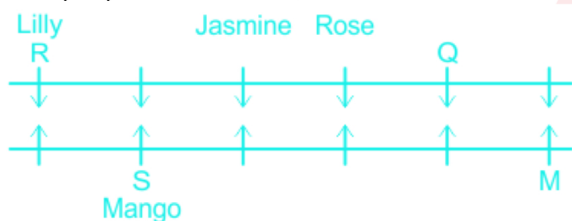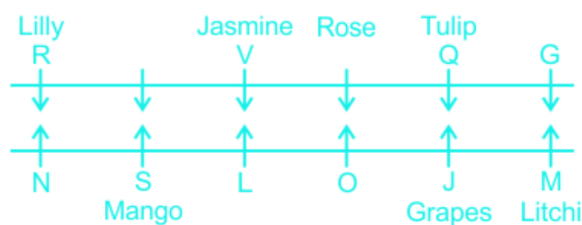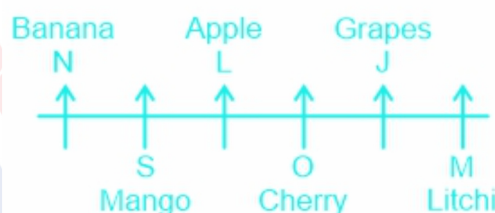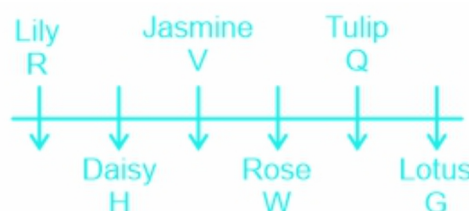The one, who likes Banana, sits to the left of the one, who likes Apple.

29

H does not like Lotus and Rose.

G and W do not like Daisy. (By using the elimination method, we can conclude that H likes Daisy.)

Hence, the correct answer is **H.**

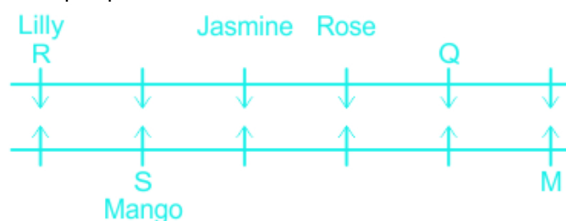**Q:54** The correct answer is **Option 3** i.e. **N**

M sits fourth to the right of S, who likes Mango.

The one, who likes Lilly, sits immediately right of the one, who sits opposite S.

Two people sit between the ones, who like Lilly and Rose.

Q sits to the left of the one, who likes Rose and sits two places away from the one, who likes Jasmine.

Three people sit between Q and R.

V sits third to the right of G, who does not like fruit.

N sits third to the left of O.

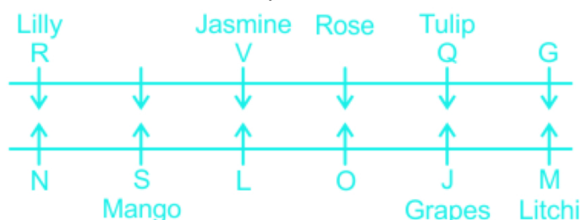J sits second to the right of L and does not sit opposite S.

J sits opposite the one, who likes Tulip.

The one, who likes Litchi, sits immediately right of the one, who likes Grapes.
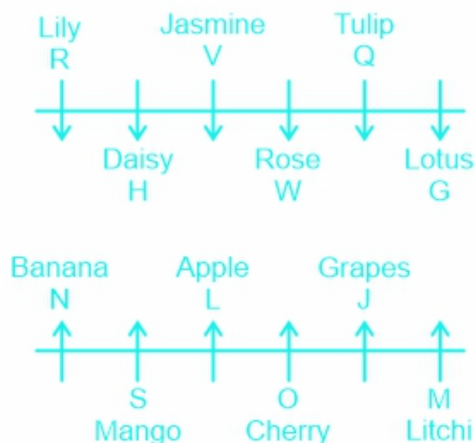
Neither L nor O likes Grapes.

Neither N nor L likes Cherry.

The one, who likes Banana, sits to the left of the one, who likes Apple.

H does not like Lotus and Rose.

G and W do not like Daisy. (By using the elimination method, we can conclude that H likes Daisy.)

Hence, the correct answer is **N.**

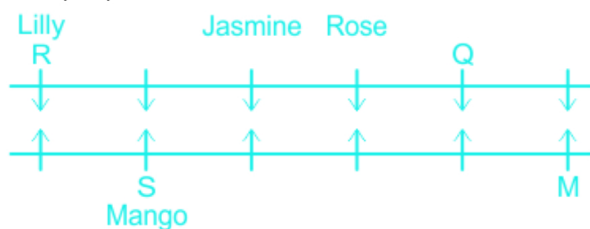**Q:55** The correct answer is **Option 1** i.e. **2**

M sits fourth to the right of S, who likes Mango.

The one, who likes Lilly, sits immediately right of the one, who sits opposite S.

Two people sit between the ones, who like Lilly and Rose.

Q sits to the left of the one, who likes Rose and sits two places away from the one, who likes Jasmine.

Three people sit between Q and R.

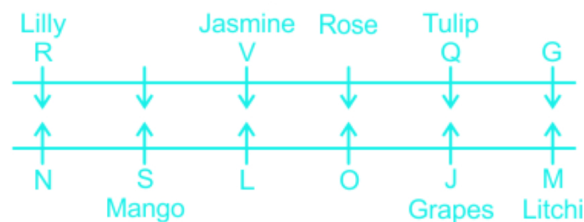V sits third to the right of G, who does not like fruit.

N sits third to the left of O.

J sits second to the right of L and does not sit opposite S.

J sits opposite the one, who likes Tulip.

The one, who likes Litchi, sits immediately right of the one, who likes Grapes.
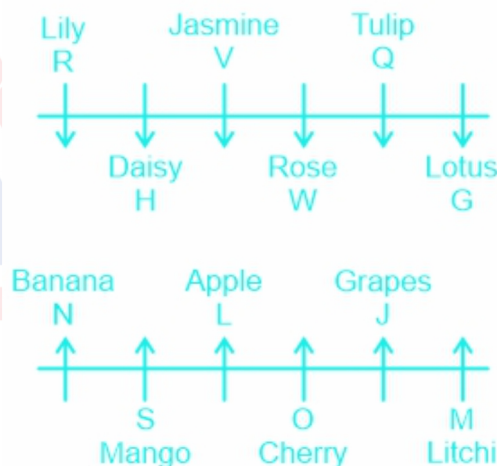
Neither L nor O likes Grapes.

Neither N nor L likes Cherry.

The one, who likes Banana, sits to the left of the one, who likes Apple.

H does not like Lotus and Rose.

G and W do not like Daisy. (By using the elimination method, we can conclude that H likes Daisy.)

Hence, the correct answer is **2.**

Q:56 The correct answer is **Option 2** i.e. **Rose**

M sits fourth to the right of S, who likes Mango.

The one, who likes Lilly, sits immediately right of the one, who sits opposite S.

Two people sit between the ones, who like Lilly and Rose.

Q sits to the left of the one, who likes Rose and sits two places away from the one, who likes Jasmine.

Three people sit between Q and R.

V sits third to the right of G, who does not like fruit.

N sits third to the left of O.

J sits second to the right of L and does not sit opposite S.

J sits opposite the one, who likes Tulip.

The one, who likes Litchi, sits immediately right of the one, who likes Grapes.

Neither L nor O likes Grapes.

Neither N nor L likes Cherry.

The one, who likes Banana, sits to the left of the one, who likes Apple.

H does not like Lotus and Rose.

G and W do not like Daisy. (By using the elimination method, we can conclude that H likes Daisy.)

Hence, the correct answer is **Rose.**

Q:57 The correct answer is **Option 5** i.e. **O**

M sits fourth to the right of S, who likes Mango.

The one, who likes Lilly, sits immediately right of the one, who sits opposite S.

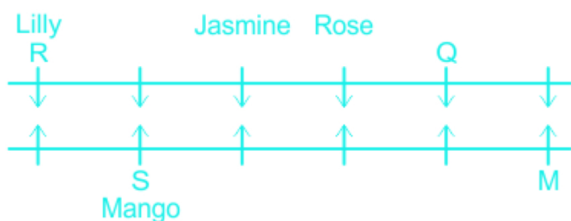Two people sit between the ones, who like Lilly and Rose.

Q sits to the left of the one, who likes Rose and sits two places away from the one, who likes Jasmine.
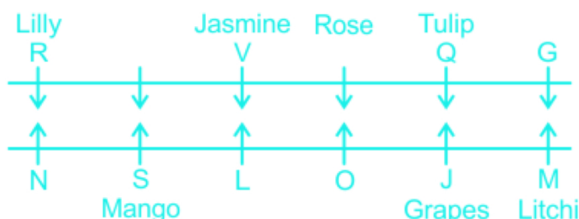
Three people sit between Q and R.

Lilly   Jasmine Rose   Q
R

S   M
Mango
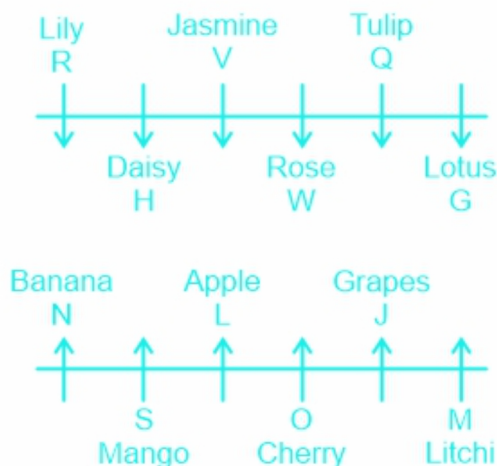
V sits third to the right of G, who does not like fruit.

N sits third to the left of O.

J sits second to the right of L and does not sit opposite S.

J sits opposite the one, who likes Tulip.

The one, who likes Litchi, sits immediately right of the one, who likes Grapes.

Neither L nor O likes Grapes.

Lilly   Jasmine Rose   Tulip
R   V   Q   G
N   S   L   O   J   M
      Mango   Grapes Litchi

Neither N nor L likes Cherry.

The one, who likes Banana, sits to the left of the one, who likes Apple.

H does not like Lotus and Rose.

G and W does not like Daisy. (By using the elimination method, we can conclude that H likes Daisy.)

Lily   Jasmine   Tulip
R   V   Q
      Daisy   Rose   Lotus
        H   W   G

Banana   Apple   Grapes
  N   L   J
        S   O   M
      Mango   Cherry   Litchi

Except, O all other sits at the corners.

Hence, the correct answer is **O.**

Q:58 The correct answer is **Option 1** i.e. **Three**

By observation, we get N7O, M28, and Q84.

Hence, the correct answer is **three.**

Q:59 The correct answer is **Option 3** i.e. **11.**

G **4** T **6** D **8** K A N **7** O R V **6** M **2 8** S **8** H L **2** Q **8 4** F J **6** S

Hence the correct answer is **11.**

Q:60 The correct answer is **Option 4** i.e. **Scarf**

Option 1

Mice: It cannot be formed as M is not present in the given word.

Option 2

Crow: It cannot be formed as W and O not present in the given word.

Option 3

Rifle: It cannot be formed as L is not present in the given word.

Option 4

Scarf: It can be formed from the given word as all the letters are present in the given word.

Option 5

Cease: It cannot be formed as there is only one E in the given word.

Hence, the correct answer is **Scarf.**

Q:61 The correct answer is **Option 4** i.e. **V%N**

In this coded language,

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 vowels = %

Mobile is coded as:

Opposite letter of M is **N.**

Opposite letter of E is **V.**

Number of vowels in the word 'mobile' is 3

Hence, 'mobile' is coded as '**V%N**'

Hence, the correct answer is **V%N.**

Q:62 The correct answer is **Option 4** i.e. **G@H**

In this coded language,

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 or more than 3 vowels = %

Student is coded as:

Opposite letter of S is **H.**

Opposite letter of T is **G.**

Number of vowels in the word 'Student' is 2

Hence, 'Student' is coded as '**G@H**'

Hence, the correct answer is **G@H.**

Q:63 The correct answer is **Option 1** i.e. **B%F**

In this coded language,

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 or more than 3 vowels = %

University is coded as:

Opposite letter of U is **F.**

Opposite letter of Y is **B.**

Number of vowels in the word 'University' is 4

Hence, 'University' is coded as '**B%F**'

Hence, the correct answer is **B%F.**

Q:64 The correct answer is **Option 2** i.e. **K@O**

In this coded language,

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 or more than 3 vowels = %

Laptop is coded as:

Opposite letter of L is **O.**

Opposite letter of P is **K.**

Number of vowels in the word 'Laptop' is 2

Hence, 'laptop' is coded as '**K@O**'

Hence, the correct answer is **K@O.**

Q:65 The correct answer is **Option 3** i.e. **V@S**

The given word is coded as opposite letter of first and last letter of the given word and a symbol is used to denote the number of vowels in the word.

'Book' is coded as 'P@Y'

1) P is the opposite letter of K

2) Y is an opposite letter of B

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
Z	Y	X	W	V	U	T	S	R	Q	P	O	N
26	25	24	23	22	21	20	19	18	17	16	15	14

3) Symbol represent the number of vowels in the word.

1 vowel = #

2 vowels = @

3 or more than 3 vowels = %
Home is coded as:
Opposite letter of H is **S.**
Opposite letter of E is **V.**
Number of vowels in the word 'Home' is 2
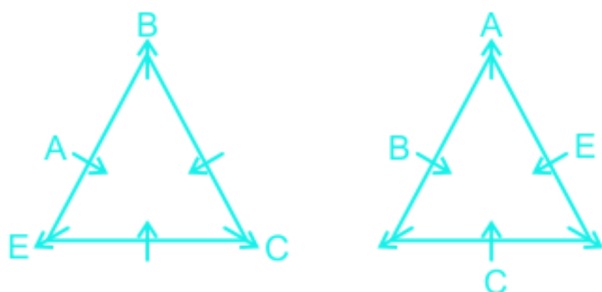Hence, 'Home' is coded as '**V@S**'
Hence, the correct answer is **V@S.**

Q:66 The correct answer is **Option 3** i.e. **A**
1) C sits third left of A.
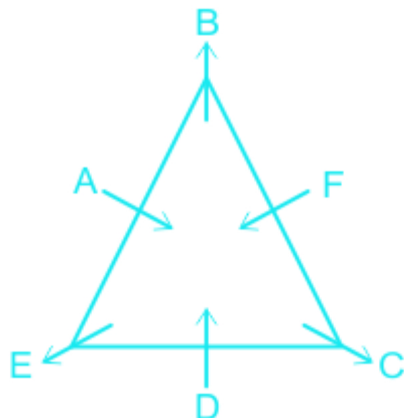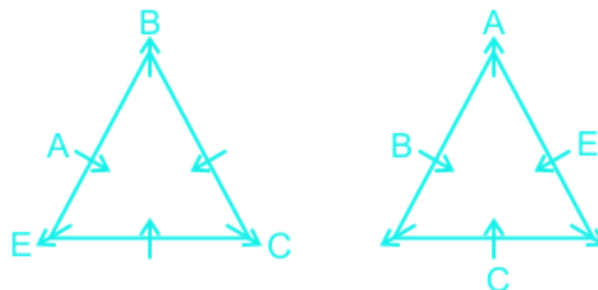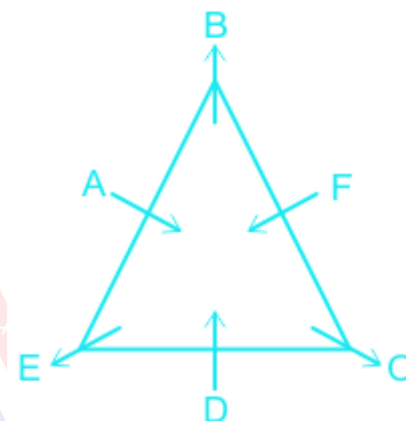2) E sits 2nd to the right of C.
3) B is not an immediate neighbour of C.

Case 1 and Case 2
4) D sits 2nd right of A and 2nd left of F, who is facing inside. (Case 2 is cancelled as F can not face outside)
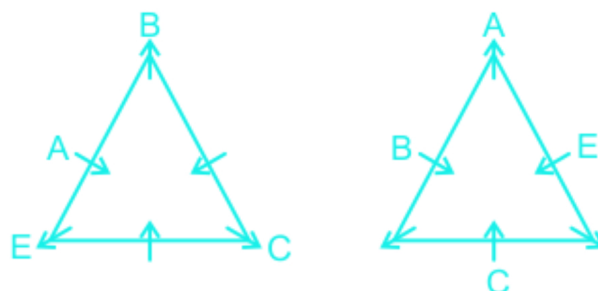Our final arrangement will be:

Hence, the correct answer is **A**.

Q:67 The correct answer is **Option 2** i.e. **D sits third right of B**
1) C sits third left of A.
2) E sits 2nd to the right of C.
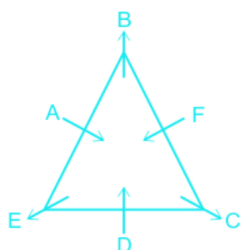3) B is not an immediate neighbour of C.

Case 1 and Case 2
4) D sits 2nd right of A and 2nd left of F, who is facing inside. (Case 2 is cancelled as no F can not face outside)
Our final arrangement will be:

Hence, the correct answer is **D sits third right of B**.

Q:68 The correct answer is **Option 4** i.e. **D**
1) C sits third left of A.
2) E sits 2nd to the right of C.
3) B is not an immediate neighbour of C.

Case 1 and Case 2
4) D sits 2nd right of A and 2nd left of F, who is facing inside. (Case 2 is cancelled as no F can not face outside)
Our final arrangement will be:

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Asutosh Mukherjee Road, College Para, Hathi More, Siliguri, West Bengal
+91 - 8436586516, +91-8436900456
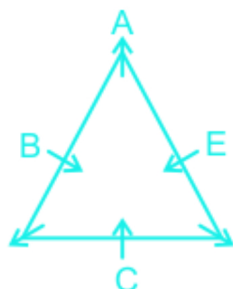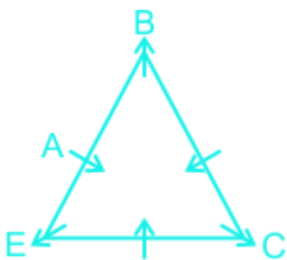thedhronas@gmail.com
thedronas.com

GET IT ON
Google Play

Only D among the given options is facing inside.
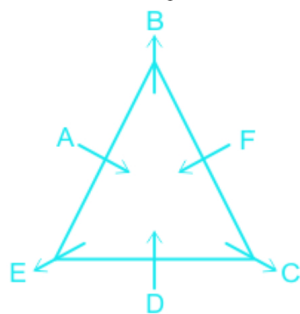Hence, the correct answer is **D**.

Q:69 The correct answer is **Option 4** i.e. **Three**
1) C sits third left of A.
2) E sits 2nd to the right of C.
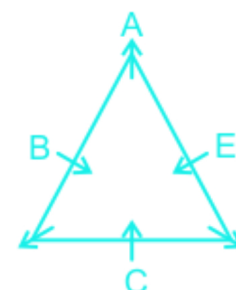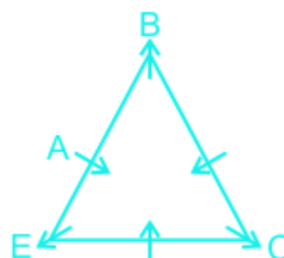3) B is not an immediate neighbour of C.

Case 1 and Case 2
4) D sits 2nd right of A and 2nd left of F, who is facing inside. (Case 2 is cancelled as no F can not face outside)
Our final arrangement will be:

Hence, the correct answer is **Three**.

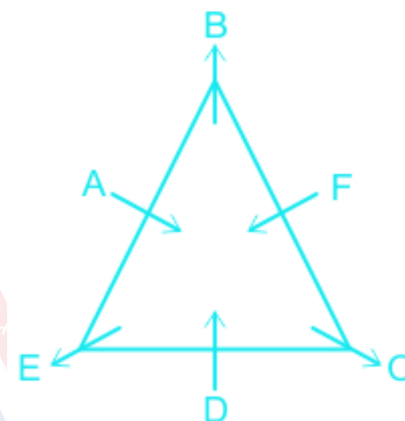**Q:70** The correct answer is **Option 1** i.e. **E**
1) C sits third left of A.
2) E sits 2nd to the right of C.
3) B is not an immediate neighbour of C.

Case 1 and Case 2
4) D sits 2nd right of A and 2nd left of F, who is facing inside. (Case 2 is cancelled as no F can not face outside)
Our final arrangement will be:

Hence, the correct answer is **E.**

Q:71 The correct answer is **Option 2** i.e. **B.**
- The word 'bulk' is accompanied by 'an' which seems to make a grammatical mistake depicting a contextual error in it.
- 'An" is used before words starting with vowel sounds. So, before the word 'bulk' in place of 'an', '**the**' will make it seem more meaningful.
- As for the remaining options, they stand intact both grammatically as well as contextually.

Hence, the correct answer is **Option 2** i.e. **B.**

Q:72 The correct answer is **Option 4** i.e. **D.**
The given question asks to find out the option that contains any grammatical or contextual error in it.
Part D seems to be contextually wrong as the sentence depicts about 'several studies have reported the contamination of air, water and soil in and around bulk drug manufacturing facility in Patancheru, Baddi, Cuddalore and other places", so the word "facility" seems

incorrect as more than one factor has been talked. So "**facilities**" will replace the singular version "facility" which makes the sentence grammatically appear correct.

The correct sentence is: **The growth of the sector has come at a cost to the environment. Toxic chemicals are used extensively to manufacture drugs. Several studies have reported the contamination of air, water and soil in and around bulk drug manufacturing facilities in Patancheru, Baddi, Cuddalore and other places.**

Hence, the correct answer is **Option 4** i.e. **D.**

Q:73 The correct answer is **Option 4** i.e. **B.**

The given question asks to find out the option that contains any grammatical or contextual error in it.

Part B seems to be contextually wrong as in the sentence after the word "threat" the verb "are" seems to follow which lacks grammatical correction. The verb "are" is used to denote a plural form or there if is more than one noun present in a specific domain but in the statement, the word "threat" is in singular form so an error lies in here.

The correct sentence is: **In addition to toxic emissions from manufacturing, an equal threat is posed by antibiotic pollution and active pharmaceutical ingredients (APIs) are released into the environment during the drug-manufacturing process and in the case of antibiotics the release of untreated APIs in wastewater streams has been shown to contribute to the spread of antimicrobial resistance (AMR).**

Hence, the correct answer is **Option 4** i.e. **B.**

Q:74 The correct answer is **option 4 i.e. D.**

The correct option is D i.e. "the first step toward a treaty that would be legally binding"

- Among the given parts, part "D" seems grammatically wrong as in the sentence the subject and the verb are not in agreement with each other which is depicted in the line "the first step toward a treaty". So, the error lies here.
- Further, instead of "Toward", "**towards**" will make the sentence appear grammatically correct.
- Hence, the correct formation of the sentence will be " the first step **towards** a treaty that would be legally binding".

Q:75 The correct answer is **option 1 i.e. A.**

The query is about finding an error in one of the parts which are not emboldened.

The error is based on idioms and phrases. 'In the wake of' is a phrase so it cannot be changed. The meaning of the phrase is 'afterwards and usually as a result of something'.

Hence, among the given options, option 1 provides the appropriate answer.

Q:76 The correct answer is **option 2, i.e. B-D.**

Connecting two or four statements from both columns must end up making a contextually and grammatically intact statement entirely. Among the given options, option 2, i.e. B-D seems to make a meaningful statement after rearrangement.

Statement 'B' seems to be an introductory sentence and 'D' seems to follow this by showing conjunction as well as congruency with the first.

Here, the first statement seems to provide directions and statement 'D' seems to give explanations for the same such as talking about exploring the scientific and sustainable usage of renewable sources of energy

Hence, the remaining sentences are inappropriate and are not in sync with each other as they represent different connotations individually or are grammatically incorrect.

Q:77 The correct answer is **option 4, i.e. A-F**

Connecting two or four statements from both the columns must end up making a contextually and grammatically intact statement entirely. Among the given options, option 4, i.e. A-F seems to make a meaningful statement after rearrangement.

Statement 'A' seems to be an introductory sentence and 'F' seems to follow this by showing conjunction as well as congruency with the first.

Here, the first statement seems to provide directions and statement 'F' seems to give explanations for the same such as talking about biophysical diversity of microorganisms and that they carry important benefits for biological, health, and pharmacological sciences.

Hence, the remaining sentences are inappropriate and are not in sync with each other as they represent different connotations individually.

Q:78 The correct answer is **option 3, i.e. C-E.**

Connecting two or four statements from both the columns must end up making a contextually and grammatically intact statements entirely. Among the given options, option 3, i.e. C-E seems to make a meaningful statement after rearrangement.

Statement 'C' seems to be an introductory sentence and

'E' seems to follow this by showing conjunction as well as congruency with the first.

Here, the first statement seems to provide directions and statement 'E' seems to give explanations for the same such as talking about World Environment day and of a green future.

Hence, the remaining sentences are inappropriate and are not in sync with each other as they represent different connotations individually.

Q:79 The correct answer is **Option 1** i.e. **C-D.**

Connecting two or four statements from both the columns must end up making a contextually and grammatically intact statements entirely. Among the given options, **Option 1** i.e. **C-D** seems to make a meaningful statement after rearrangement.

Statement 'C' seems to be an introductory sentence and 'D' seems to follow this by showing conjunction as well as congruency with the first.

Here, the statement C seems to provide directions and statement 'D' seems to give explanations for the same such as talking about physical distancing and how it provided us new ways of taking care of each other.

The remaining sentences are inappropriate and are not in sync with each other as they represent different connotations individually.

Hence, the correct answer is **Option 1** i.e. **C-D.**

Q:80 The correct answer is **option 4, i.e. Abjure**

The blank seeks for a word that will make the entire passage sound coherent and contextually as well as grammatically meaningful. Option 4, i.e. Abjure seems to be the correct answer here.

The sentence seems to be giving inferences on the person's solemn relinquishment over the lust of flesh.

So, the passage requires a word that best represents this theme of it and the word 'Abjure' seems to make it more absolute with its depiction i.e. formally reject or disavow a formerly held belief.

This representative sounds absolutely relevant for the given passage as it is in congruence with its essence.

Further, the remaining options are irrelevant for the statement's point of view.

Q:81 The correct answer is **option 1, i.e. Concomitant**

The blank seeks for a word that will make the entire passage sound coherent and contextually as well as grammatically meaningful. Option 1, i.e. Concomitant seems to be the correct answer here.

The sentence seem to be providing inferences on the fact that the control of epidemics in developed countries lead to natual association on general progress.

So, the passage requires a word that best represents this theme of it and the word 'Concomitant' seems to make it more absolute with its depiction i.e. following or accompanying as a consequence.

This representative sounds absolutely relevant for the given passage as it is in congruence with its essence.

Further, the remaining options are irrelevant for the statement's point of view.

Q:82 The correct answer is option 2 i.e. After.

The query is about finding a connector that can join the sentences to make a coherent statement.

The two sentences are in chronological order. The former sentence is written in the future tense whereas the latter is written in the past tense. It implies the former sentence has occurred after the latter sentence.

'After' fulfills the condition and hence is the appropriate answer among the given options.

Meanwhile; for now

Therefore; it shows a conclusion

Though; it shows contradiction.

Q:83 The correct answer is option 3 i.e. Despite.

The query is about finding a connector which joins the two sentences to make a coherent statement.

The lines tell that the President followed the protocol after a Lok Sabha member announced self-quarantine. So, the former sentence is the latter action and vice-versa.

'After' fulfils this condition and hence it is the appropriate answer.

Therefore; it shows the conclusion

Where; it indicates a place

But; it shows contradiction

Not; provides negative statement

Q:84 The correct answer is option 4 i.e. As.

The query is about fiding a connector which can join the above sentences to make a coherent statement.

The previous sentence is a statement while the next one is its reason. The former sentence says that

people are still using 2G/3G services. The latter sentence gives the reason that mobile handsets are more affordable.

'As' is conjunction provides reason and hence is the appropriate answer.

But; it shows a contradiction

For; intended statement to be given to

Nor; used to indicate a further negative

So; it shows a conclusion

Q:85 The correct answer is **option 3, i.e. Asked her teacher.**

The question seeks for an appropriate representation of the given sentence so as to make it seem both grammatically as well as contextually appropriate. **Option 3, i.e. Asked her Teacher** will be the correct answer here.

The sentence seems inappropriate with the usage of 'Told' in here.

Instead of 'Told', 'Asked' will fit the best in here making the sentence grammatically correct.

Hence, the correct sentence will be 'Leema asked her Teacher to explain the whole lesson once again'.

Q:86 The correct answer is **option 3, i.e. Broke up.**

The question seeks for an appropriate representation of the given sentence so as to make it seem both grammatically as well as contextually appropriate.

The sentence seems inappropriate with the usage of 'Broke away' in here.

Instead of 'Broke away', 'Broke Up' will fit the best in here as it means to come to an end which makes the sentence grammatically correct.

Hence, the correct sentence will be 'The speaker of Lok Sabha broke up the meeting as it turned violent'.

Q:87 The correct answer is **option 2, i.e. The hopeful side of a situation that might seem gloomy on the surface.**

The question seeks the correct implication of the given phrase. Option 2, i.e. 'The hopeful side of a situation that might seem gloomy on the surface' seems to be the correct answer here.

The phrase 'Silver Lining' is used to emphasize the hopeful side of a situation that might seem gloomy on the surface.

The remaining options denote different connotations respectively

Q:88 The correct answer is **option 4, i.e. Precariousness**

The question is to find out the correct antonym that is the opposite word of the given word.

The word 'Certainty' means firm conviction that something is the case or the quality of being reliably true.

Among the given words, 'Precariousness' seems to be its antonym as it means the state of being uncertain or dependent on chance.

Hence, the correct answer is option 4.

1. Assurance: confidence or certainty in one's own abilities.

2. Conviction: a firmly held belief or opinion.

3. Certitude: absolute certainty or conviction that something is the case.

5. Reliance: dependence on or trust in someone or something or being reliable.

Q:89 The correct answer is **option 1, i.e. Aggressive**

The question is based on finding the correct representative of the given passage.

The passage seems to be revolving around the pandemic and its outbreak which according to the passage lockdown could bring the country's growth down to 2.5 percent from 4.5 percent it had earlier estimated.

So, it signifies that the blank needs a word that best represents the position of the lockdown which will be a result of hostility for India.

The word 'Aggressive' seems to be the correct fit here as it represents 'behaving or done in a determined and forceful way'.

Hence, option 1 is the correct answer.

Q:90 The correct answer is **option 2, i.e. Apply or bring to bear (a force, influence, or quality).**

The question seeks to identify the correct meaning of the given word as mentioned in the passage.

The word 'Exert' means to apply or bring to bear (a force, influence, or quality).

Hence, the correct answer is option 2

The remaining sentences provide different connotations.

Q:91 The correct answer is **option 3, i.e. India**

The question is based on direct observation from the passage.

According to the passage, A UN report estimated a trade

impact of more than USD 350 million on India due to this outbreak, making India one of the worst-affected economies across the world.

Hence, the correct answer is option 3, i.e. India.

Q:92 The correct answer is option 2 i.e. **Attrition.**

- The given word 'Erosion' means the process of eroding or being eroded by wind, water, or other natural agents.

Meaning of the words:

- **Construction**: the creation of an abstract entity.
- **Attrition**: the process of reducing something's strength or effectiveness through sustained attack or pressure.
- **Accretion**: growth or increase by the gradual accumulation of additional layers or matter.
- **Erection**: the action of erecting a structure or object.
- **Fabrication**: a small or tiny part, amount, or proportion of something.

Hence, Attrition correctly symbolizes the meaning of 'Erosion' as stated in the passage among the given options.

Q:93 The correct answer is option 4 i.e. **Only a and c.**

- According to the passage, statement 'a' that is 'They said it was almost always human behaviour that caused diseases to spill over into humans' and statement 'c' i.e. 'to prevent further outbreaks, the experts said, both global heating and the destruction of the natural world for farming, mining and housing have to end.' are true among the given statement because they have directly been mentioned in the passage.

Hence, the correct answer is option 4, i.e. '**Only a and c**'.

Q:94 The correct answer is option 2 i.e. **That it was a "clear warning shot" and that today's civilisation was playing with fire**.

- It has clearly been mentioned in the passage that the leading scientists said the Covid-19 outbreak was a "clear warning shot", given that far more deadly diseases existed in wildlife, and that today's

civilisation was "playing with fire".

- They said it was almost always human behaviour that caused diseases to spill over into humans.

Hence, option 2 is correct.

Q:95 The correct answer is **option 5 i.e. Native.**

- introduced from another country: **not** native to the place.

Meaning of the words:

- **Strange**: not previously visited, seen, or encountered; unfamiliar or alien.
- **Outlandish**: looking or sounding bizarre or unfamiliar, foreign or alien.
- **Unusual**: not habitually or commonly occurring or done
- **Foreign**: of, from, in, or characteristic of a country or language other than one's own.
- **Native**:(of a plant or animal) of indigenous origin or growth, a person born in a specified place or associated with a place by birth, whether subsequently resident there or not.

Hence, **Native** is the appropriate opposite word to the given word.

Q:96 The correct answer is option 3 i.e. **Monotonous.**

- an illusory environment that completely surrounds you such that you feel that you are inside it and part of it. The term is associated with technology environments that command the senses such as virtual reality and mixed reality

Meaning of the words:

- powerfully and mysteriously attractive or fascinating; seductive.
- immerse. to cover; bury; subordinate; suppress.
- dull, tedious, and repetitious; lacking in variety and interest, not attractive enough.
- capable of attracting and holding interest; charming.
- **Riveting**: completely engrossing; compelling.

Hence, **Monotonous** is the appropriate antonym of the word 'Immersive'.

Q:97 The correct answer is option 4 i.e. **the growing internet penetration and access to multimedia devices.**
- It has clearly been mentioned in the passage that 'With the growing internet penetration and access to multimedia devices, the customers are spending more time streaming digital content'.

Hence, option '4' seems to portray the correct answer among the other options given.

Q:98 The correct answer is option 2 i.e. **Ascendingly.**
- (of an increase) becoming more and more rapid.

Meaning of the words:
- used to describe something that is fragmentary or prone to interruptions.
- **Ascendingly**: moving upward; rising.
- **Sedatively**: promoting calm or inducing sleep.
- so slight, gradual, or subtle as not to be perceived.
- acting or done at leisure; unhurried or relaxed.

Hence, Ascendingly is the most appropriate word to replace the given word among the given options.

Q:99 The correct answer is option 4 i.e. **Cloud Computing.**
- It has clearly been mentioned in the passage that 'Cloud computing is playing a key role in character rendering and modeling processes as cloud-based rendering of animation films is more effective and efficient as it reduces the time and cost compared to traditional rendering'.

Hence, option 4 is correct.

Q:100 The correct answer is option 3 i.e.

Proficiencies.
- The entire passage revolves around artificial intelligence and machine learning which are majorly techniques or proficiencies.
- Among the given options, the word 'Proficiencies' best depicts the mentioned a high degree of skill; expertise that represents the same domain.

Hence, option 3 i.e. Proficiencies will best fit in the given blank.