

PRABHA IAS IPS ACADEMY

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

**TEST BOOKLET
GENERAL STUDIES
PAPER- II**

Test Booklet Series



Time Allowed: Two Hour

Maximum Marks: 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES **NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOK.

2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.

3. You have to enter your Name, Email Id, Mobile No. and Roll no. on the test booklet in the Box provided alongside. **DO NOT** write anything else on the Test Booklet.

Name:

Email Id:

Mobile No:

Roll No:

4. This Test Booklet contains **80** items (questions). Each item is printed in **English**. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.

5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.

6. **All** items carry equal marks.

7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.

8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer Sheet**. You are permitted to take away with you the Test Booklet.

9. Sheets for rough work are appended in the Test Booklet at the end.

10. Penalty for wrong answers:

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE.

(i) There are four alternatives for the answer to every question. For each question which has a penalty for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.

(ii) If a candidate gives more than one answer, it will be treated as **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question, if it has a penalty.

(iii) If a question is left blank i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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Directions (Q. No. 1-4): Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

Passage

The capital city of the world's largest democracy is driven by power, energy, and opportunities, dipped in nostalgia, rich in history and heritage and soaked in a myriad of compelling identities, memories, and emotions. The composite culture of thousands of years thrives even after the city was destroyed and rebuilt seven times. Each time it has risen like a phoenix from the ashes stamping the city with its genetic code distinctly seen in its architecture, monuments, museums, food, art, poetry, politics, culture, and language. The built environment of the city is a product of its changing socio-economic, cultural, and political forces. Those who live and work here are led to the city's unique character, but its pollution levels, the game of one-upmanship, chaos and scare can be frustrating and infuriating. Yet, the city is counted among the most desirable ones to live in. Something is alluring and magical about it.

Q1. According to the passage, which among the following constructs a narrative of the city mentioned?

1. Symbolic imagery that addresses the dormant social, political, and cultural climate.
2. Long eventful history of the city that saw the rise and fall of several empires.

Which of the statements given above is/are correct?

- (a) 1 only
- (b) 2 only
- (c) 1 and 2
- (d) None

Passage

The Governor of the Reserve Bank of India (RBI) has been reported as saying that the repo rate has been raised. Raising the interest rate in an attempt to control inflation implicitly assumes that it reflects economy wide excess demand. To persist

with monetary policy to curb inflation under these circumstances is to miss the point that, being a macroeconomic instrument, it cannot affect any price. Rising interest rate is not going to create more food. What you do is that you have supply-side interventions. Killing the economy through raising interest rates is not going to solve the inflation in any time frame. It is a common mistake to observe sharply rising prices of certain goods and conclude therefrom that it is this that is driving inflation. This conclusion can be way off the mark when the concerned goods account for only a small part of the consumption basket that the overall consumer price index is based on.

Q2. Which among the following is the most logical and rational inference that can be made from the passage given above?

- (a) Economists tend to pay adequate attention to supply side interventions.
- (b) Rather than correcting inflation by raising the interest rates, the focus should be more on necessary supply-side interventions.
- (c) India's economic agencies appear to have not fully understood what is driving inflation.
- (d) Monetary policy to curb inflation can never be effective.

Passage

Landslides are a common occurrence during the rainy season in hilly and mountainous regions. Heavy or continuous rain usually causes mud and rocks to come sliding down the mountain/hill, and in the process, destroy everything along their path. Houses, vehicles, people, trees, and animals often get buried in a landslide. When someone has a landslide victory in an election, he wins the contest by an overwhelming margin; he defeats his rivals soundly. What is it that a landslide does? It buries everything along its path. Someone who wins an election by a landslide destroys everything in his path; in this case, it suggests that the candidate does not just beat his opponents, he buries them!

Q3. Which one of the following statements best sums up the passage given above?

- (a) Sliding down the mountain/hill reflects winning over the opponent.
- (b) While it is true that a 'landslide' is usually associated with misfortune, a 'landslide victory' is seen as something evil.
- (c) While a 'landslide' is usually associated with something bad, during elections a big victory is called a landslide victory.
- (d) There is an elementary correlation between landslides in a mountainous region and big victories during the election.

Passage

We should not only expect that labour flows will now be more strictly regulated than before. But also, more than ever before in recent decades, Western investors will also have to factor in political risks in their investment decision-making. Instead of chasing lower labour costs, they will either bring capital back to domestic shores, or geographically restructure their supply chains. For a whole range of goods, the global supply chains for all practical purposes became Chinese supply chains. That level of economic concentration is no longer politically sustainable.

Q4. What is the most logical and crucial message conveyed by the passage?

- (a) Availability of cheap labors no longer the key factor in determining the location of industries.
- (b) Political factors need to be given due priority by investors in their investment decisions.
- (c) The world should move towards economic liberalism to curb economic concentration.
- (d) Current economic policies globally are not conducive for investment.

Q5. An Integer n is used to perform division on two different integers 68082 and 65012. After division it is observed that the remainder is same in both the cases. What must be the value of n ?

- (a) 289
- (b) 367
- (c) 453
- (d) 307

Q6. Pqrs is a four-digit number in a such a way that sum of p and q is equal to the sum of r and s . Sum of p and s is equal to r . Sum of q and s digits are twice the sum of other two digits. What is value of r ?

- (a) 5
- (b) 8
- (c) 1
- (d) 4

Q7. If $x + y = 36$, then which of the following must be true?

- 1. Both x and y must be positive.
- 2. If x is positive, y must be negative.
- 3. If x is negative, y must be positive.

Select the correct answer using the code given below.

- (a) 1 only
- (b) 3 only
- (c) 2 only
- (d) Neither 1 nor 2 nor 3

Q8. If two letters are taken at random from the word HOME, what is the probability that none of the letters would be vowels?

- (a) $1/6$
- (b) $1/2$
- (c) $1/3$
- (d) $1/4$

Q9. Let a , b , c , and d be natural numbers such that $a - 1 = b + 2 = c - 3 = d + 4$. Which one of the following is the largest number?

- (a) a
- (b) b
- (c) c
- (d) d

Q10. For the fractions $\frac{1}{2}$, $\frac{2}{3}$, $\frac{5}{9}$, $\frac{6}{13}$, and $\frac{7}{9}$, which of the following is **not** correct?

- I. $\frac{6}{13}$ is fourth from right side when all the fractions are arranged in ascending order of their values.
 - II. $\frac{2}{3}$ and $\frac{7}{9}$ will be the first and second fraction respectively, when all the fractions are arranged in descending order of their values.
 - III. $\frac{6}{13}$ is the smallest fraction.
- (a) Only I and II
 - (b) Only I and III
 - (c) Only III
 - (d) Only II and III

Directions (Q. No. 11-13): Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

Passage

IPRs are critical to incentivizing innovation, which, in turn, is key to sustaining economic growth and increasing living standards. Scholars around the world have found this statement to hold true based on rigorous empirical testing across a cross-section of countries and time periods. In India, there is still a dearth of evidence-based research that can inform our laws, practice and policy making pertaining to IPRs. Officials, academicians, industry experts and other commentators continue to debate whether and how strict enforcement of IPRs and putting in place a more stable and certain IPR regime, can induce economic growth, human development and overall prosperity of societies.

Q11. Which one of the following statements best reflects the critical message *of the passage*?

- (a) IPR regime in India is of regressive nature. It does not promote innovation and overall prosperity in the country.
- (b) The IPR regime in the world promotes overall prosperity in every country.
- (c) Whether a stable IPR regime can promote overall economic growth and human development is still a debatable topic in the country.
- (d) In India the IPR regime is at its initial stage. It needs a more evidence-based policy framework to be worked upon.

Passage

Dementia care is daunting but may not be as challenging as you would expect. Whether you care for a parent or senior loved one with Alzheimer's disease or another type of dementia or are a senior care professional approaching your role with some knowledge — the right attitude is crucial to success. Educating yourself about dementia and maintaining a positive but realistic attitude allows you to maintain an element of control as a caregiver. It can take the sting out of surprising challenges you encounter and improve the care that you provide.

Q12. Which of the following options best highlights the crux of the passage?

- (a) Proper knowledge about the disease is the first step to manage it.
- (b) Management of persons with dementia requires more than medical care and education.
- (c) Successful management of conditions like dementia and Alzheimer's should focus on both the patient as well as emotional capacity building of the caregiver.
- (d) Empathy and compassion should be the cornerstone of every doctor treating a person with memory loss.

Passage

The real issue with online political ads is the ability to deliver (mis) information to targeted groups allowing the political entity to escape public scrutiny. If politics is ultimately about the collective and commons, then an argument against micro-targeting could be made. However, governance encompasses multiple issues, and it is difficult to argue that voters with different concerns be fed the same message. Perhaps a viable way forward could be transparency on all political ads along with associated targeting. This would expose hypocrisy and allow the opposition to counter politically the party in power, as expected in a democracy.

Q13. What is the most logical and crucial message conveyed by the passage?

- (a) Political parties are mainly responsible for spreading fake news among people.
- (b) In the Indian political system, political parties are immune from public scrutiny.
- (c) There has been an increasing trend in social media use for political campaigns.
- (d) Political ads need to be accessible to all and sundry to ensure their scrutiny

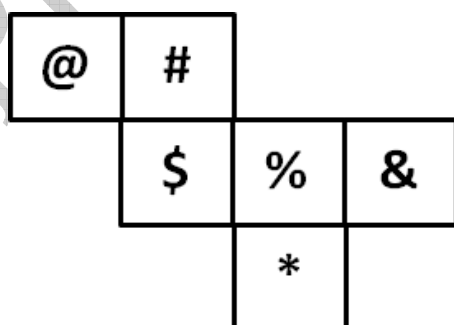
Q14. Some boys are sitting on chairs in a line. In the line Naveen's position is 26th from the front and Raju's position is 38th from the back. Chandan is behind both Naveen and Raju - at 11th position from Naveen and at 3rd position from Raju. What must be the total number of chairs in the line?

- (a) 71
- (b) 72
- (c) 64
- (d) 61

Q15. A and B play hockey and chess, B and C play cricket and chess, C and E play cricket and basketball, D and E play tennis, A and C play basketball and hockey, A and D play hockey and chess. Who plays hockey, chess, and tennis?

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

Q16. Six square cards are printed front and back, with six, symbols @, #, \$, %, & and * and are hinged together as shown in the figure given below. If they are folded to form to a cube, which symbol would be opposite to symbol @ ?



- (a) %
- (b) #
- (c) \$
- (d) &

Directions for the following 2 (two) items: Read the table carefully and answer the questions that follow.

There are six companies A, B, C, D, E and F. The table shows the respective percentage of female employees among the given six companies. It also shows by what percentage are the male employees more than the female employees, in all the given companies.

COMPANY	Percentage of female employees	How many more male employees are there as compared to the female employees
A	20%	50%
B	15%	30%
C	10%	45%
D	22%	25%
E	15%	70%
F	18%	15%

For example, as per the above table, out of all the females in the 6 companies, 20% work in company A. Also, if there are say 100 female employees in company A, then the number of males in that company = 100 + 50% of 100 = 150

Q17. If total number of females in all companies is 1000, then what is the ratio of female employees in company A to the male employees in company D?

- (a) 9:10
- (b) 8:11
- (c) 7:5
- (d) 5:7

Q18. If the total number of females in all companies is 1000, then which of the following is true?

- (a) Number of males in company A is less than that in company B.
- (b) Number of males in company F is less than that in company B.
- (c) Number of females in company A is 100% more than that of company C.
- (d) Number of females in company D is less than that of company F.

Q19. Ankur has three children namely Puneet, Abhishek and Sameer. He divides a sum of Rs. 250 among his three children in the ratio of $1/2 : 3/4 : 5/6$. What is the difference between the maximum share and the minimum share?

- (a) Rs. 25
- (b) Rs. 40
- (c) Rs. 45
- (d) Rs. 50

Q20. 24 men and 32 boys can do a piece of work in 10 days and 26 men, and 48 boys can do it in 8 days. What is the ratio of daily work done by a man with that by a boy?

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

Directions (Q. No. 21-24): Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

Passage

Neo Banks are virtual banks that are operated online. A bank that's completely digital instead of being physical. Neo banking provides complete experience of digital banking through mobile applications. Neo banks offer solutions in ways that conventional banks do not, with the key objective of providing a smooth customer experience. They are cheaper, quicker, and can leverage a single network with the entire financial portfolio. It's no secret that conventional banks are at the frontline of increasing rivalry from many digital world areas. Neo banks are expanding exponentially, leveraging state-of-the-art technologies to win over consumers who expect financial services that are easier, quicker, and more efficient. Neo-banks have been the next big thing in fintech in recent years.

Q21. Which one of the following statements best reflects the critical message of the passage?

- (a) Cheaper, quicker Neo banks will revolutionize fintech in future.
- (b) Neo banks will completely replace traditional banking in the near future.

- (c) Neo banks can solve the crisis of NPAs in the country by providing a smooth customer experience.
- (d) Neo banks will increase the last mile connectivity by using the digital platform

Passage

The empirical analysis shows that, thus far, FDI has not contributed significantly to poverty reduction, but it did influence structural changes in the economy, particularly with respect to industry, which is an important driver of poverty reduction. The analysis clearly shows that states with dominant industrial sectors have been able to reduce poverty faster than states dominated by agriculture. It is argued that the targeting of FDI in India has been misplaced. Had it been in more labor-intensive manufacturing, it would have more effectively contributed to the reduction of poverty.

Q22. What is the most logical inference from the above passage?

- (a) FDI in agriculture is not significant enough for poverty reduction in the country.
- (b) FDI in labour intensive manufacturing will drastically reduce poverty in near future.
- (c) Targeted FDI allocation is critical for the overall poverty reduction in the country.
- (d) The Industrial sector has always dominated in poverty reduction as compared to the agriculture sector.

Passage

ESG (Environmental, Social and Governance) investing is used synonymously with sustainable investing or socially responsible investing. While selecting a stock for investment, the ESG fund shortlists companies that score high on environment, social responsibility and corporate governance, and then looks into financial factors. So, the schemes focus on companies with environment-friendly practices, ethical business practices and an employee-friendly record.

Q23. With reference to the above passage, the following *assumptions* have been made:

1. Everyone should start investing in an ESG fund immediately to get maximized returns from their portfolio.
2. In ESG investing too, the major criteria are the financial performance of the company. However, the environment, social and corporate governance will also play an important role in it.
3. ESG practices focus much on environmentally and socially responsible behaviour of the company.

Which of the given above *assumption(s)* is/are correct?

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 3 only

Passage

Privacy is not a single, homogenous right but rather as a bunch of rights spread over the Constitution. The right to privacy is a subspecies of the fundamental right to personal liberty and consists of diverse aspects. Not every aspect of privacy is a fundamental right. Some citizens cannot agitate against Aadhaar, saying it is a violation of their right to privacy. An elite few cannot claim that their bodily integrity would be violated by a scheme which serves to bring home basic human rights and social justice to millions of poor households across the country. The right to privacy is a subspecies of the fundamental right to personal liberty and consists of diverse aspects.

Q24. What is the most logical and critical inference that can be made from the above passage?

- (a) Within the expansive realm of fundamental rights, the right to privacy occupies a distinct category.
- (b) The nature of the right to privacy is dynamic and touches every aspect of human life.
- (c) Right to privacy is in its nascent stage. It is very difficult to define its boundaries.

- (d) Right to privacy affects all strata of the society, be it middle class or elite class equally.

Q25. A watch was 3 minutes behind at 4 p.m. on Monday and it was 5 minutes fast at 10 p.m. on the next day. When did it show the correct time?

- (a) 3:15 p.m. on Tuesday
- (b) 4:15 a.m. on Tuesday
- (c) 4:15 a.m. on Wednesday
- (d) 3:15 a.m. on Tuesday

Q26. In a local shop as part of promotional measures, the shop owner sells three different varieties of soap, one at a loss of 13 percent, another at a profit of 23 percent and the third one at a loss of 26 percent. Assuming that the shop owner sells all three varieties of soap at the same price, the approximate percentage by which average cost price is lower or higher than the selling price is:

- (a) 10.5% higher
- (b) 12.5% lower
- (c) 14.5% lower
- (d) 8.5% higher

Q27. Sreeja had three books in which Book A had 120 pages. Book B had 10% more pages than Book A and Book C had 10% less pages than Book A. If she tore roughly 5%, 10% and 15% of pages in A, B and C respectively, then approximately what percent of pages did she tear out?

- (a) 8%
- (b) 9%
- (c) 10%
- (d) 12%

Q28. The average age of engineers and machine operators in a factory is 15 years. The average age of all the 16 machine operators is 8 years and the average age of engineers is 22 years. If ten engineers were post-graduates, then the number of only graduate engineers is:

- (a) 8
- (b) 12
- (c) 10
- (d) 6

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Q29. 80 liters mixture of liquid A and liquid B in the ratio of 3:1 is contained in a large vessel (V). Another vessel (R) has a mixture of liquids A, B and C in the ratio of 3: 5: 1. Both mixtures are poured into another large vessel (S) and the quantity of liquid A in vessel S is 10 liters more than the quantity of liquid B in vessel S. Find the capacity of vessel R.

- (a) 150
- (b) 100
- (c) 135
- (d) 125

Q30. In a school, 90% of the students faced problems in Mathematics, 80% of the student's faced problems in Computers, 75% of the students faced problems in Sciences, and 70% of the students faced problems in Social Sciences.

Find the minimum possible percent of the students who faced problems in all the four subjects.

- (a) 15%
- (b) 25%
- (c) 26%
- (d) 32%

Directions (Q. No. 31-34): Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

Passage

A good regime on speech requires three things. Maximal legal protection for speech possible, a political culture that resists competitive communal mobilization, and strong social norms that have a sense of delicacy and judgment, where we understand that the enjoyment of freedom sometimes also requires the good sense not to use it, especially for destructive ends.

Q31. Which one of the following statements best reflects the message of the author of the passage?

- (a) We must protect freedom of speech at any cost.
- (b) We should protect freedom of speech till it is pernicious.
- (c) We should avoid destructive usage of the freedom of speech.
- (d) Both people and politicians should avoid communal speech.

Passage

The United Nations Intergovernmental Panel on Climate Change's (IPCC) Special Report on Global Warming presents four scenarios for limiting global temperature rise to 1.5 degrees Celsius: All require CO2 removal and three involve major use of Carbon Capture and Storage (CCS). The cement, iron, and steel and chemical sectors emit carbon due to the nature of their industrial processes and high-temperature requirements. They are among the hardest to decarbonize. CCS can facilitate a just transition by allowing industries to make sustained contributions to local economies while moving toward net-zero. Enabling the production of low-carbon hydrogen at scale coal or natural gas with CCS is the cheapest way to produce low-carbon hydrogen.

Q32. Which one of the following is the most logical and rational inference that can be made from the above passage?

- (a) CCS is the only way for limiting global temperature rise to 1.5 degree Celsius.
- (b) Financial bottleneck is the major reason behind non-viability of CCS in the carbon intensive sectors.
- (c) CCS plays a facilitative role in transition of industries by balancing both sustained economics and moving towards zero intensity processes.
- (d) Many private industries like cement and fertilizers are directly involved in making CCS a viable technique.

Passage

Economic growth is mainly driven by natural resources, labour, capital formation (investment), technological development and exports. While Indian agriculture has surplus labour, it is short of capital and savings, which in tandem with the erratic weather that constricts its growth. In the last few years, some states and the center have provided direct income support to farmers. There is a view that it has come at the cost of investment in the sector. While such support is essential for farmers to meet their input requirements in the short run, investment in the sector is needed to spur growth in the long run.

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Q33. Which one of the following statements best implies the crux of the passage?

- (a) Direct income programmes can solve the problem of investment in agriculture.
- (b) Investment in the long run along with income support in the short term holds the key for agriculture reforms in the country.
- (c) Much of the investment should be targeted in the post-harvest part of the supply chain in the country.
- (d) Along with investment in agriculture, investment in the non-farm sector can also reduce disguised unemployment in the country.

Q34. As a result of price hike by 15% of a basic commodity, an individual is able to purchase 10 kg less for Rs. 1000. What was the actual price per kg of that basic commodity?

- (a) Rs. 18 per kg
- (b) Rs. 13 per kg
- (c) Rs. 19 per kg
- (d) Rs. 11 per kg

Q35. English alphabets A to Z are numbered with first 26 consecutive prime numbers. If $PQR = 519$ and $UVW = 705$, then what is JKL equal to

- (a) 915
- (b) 129
- (c) 291
- (d) 97

Direction (Q36-37): This is a problem-solving question that requires analyzing two statements to determine whether they provide enough information to answer the question.

Q36. Two Statements S1 and S2 are given below followed by a Question:

Statement I. Mr. Sony has eight sons, and each has one sister.

Statement II. Number of sons of Mr. Sony is eight times the number of his daughter(s).

How many children does Mr. Sony have?

- (a) The data in Statement I alone are sufficient to answer the question, while

the data in Statement II alone are not sufficient to answer the question.

- (b) The data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.
- (c) The data either in Statement I alone or in Statement II alone are sufficient to answer the question.
- (d) The data in both Statements I and II together are not sufficient to answer the question.

Q37. Two Statements S1 and S2 are given below followed by a Question:

S1: The perimeter of the rectangle field is 30m.

S2: The cost of fencing rectangular field is Rs. 25 per meter.

Question: Determine the total cost of fencing the rectangular field.

Which one of the following is correct in respect to above Statements and the Question?

- (a) S1 alone is sufficient to answer the Question.
- (b) S2 alone is sufficient to answer the Question.
- (c) S1 and S2 together are sufficient to answer the Question, but neither S1 alone nor S2 alone is sufficient to answer the Question.
- (d) S1 and S2 together are not sufficient to answer the Question.

Q38. There is a circle of radius 5 cm that circumscribes a quadrilateral. It is further known that 2 of the adjacent sides of the quadrilateral are 6 cm and 8 cm. Determine the maximum possible area of the quadrilateral.

- (a) 38 cm^2
- (b) 52 cm^2
- (c) 64 cm^2
- (d) 49 cm^2

Q39. A number of the form $10^n - 1$ is always divisible by 11 for every n is a natural number, when:

- (a) n is odd
- (b) n is prime
- (c) n is even
- (d) can't say

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Q40. The sum of two numbers is equal to thrice their difference. If the smaller of the numbers is 10, find the other number.

- (a) 15
- (b) 20
- (c) 40
- (d) None of these.

Directions (Q. No. 41-43): Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

Passage

Primary productivity, the cornerstone of ecosystem sustenance, is intricately tied to the presence of plants and their capacity for photosynthesis. Across different ecosystems, from lush forests to expansive oceans, this process shapes the vitality of life forms. In the vastness of the oceans, however, productivity appears notably constrained. Despite covering about 70 percent of the Earth's surface, the oceans contribute only a fraction—approximately 55 billion tons—of the total annual net primary productivity of approximately 170 billion tons of organic matter. This shortfall can be attributed, in part, to the dearth of plant life within the euphotic zone, the upper layer of the ocean where sunlight can penetrate sufficiently to fuel photosynthesis. Without a thriving community of plants in this critical zone, the foundation of the marine food web is compromised, leading to diminished overall productivity within oceanic environments.

Q41. Which one of the following is the most logical and rational inference that can be made from the above passage?

- (a) The primary productivity of temperate forests are greater than that of tropical rainforests.
- (b) Secondary productivity is greater than primary productivity.
- (c) The oceans have low productivity because not enough plants are present in the euphotic zone.
- (d) It is not possible to increase or decrease the primary productivity of an ecosystem.

Passage

The problem is not that companies are benefiting from individuals' data; the problem is that individuals and small firms do not benefit. The mission of the Data Empowerment and Protection Architecture (DEPA) is therefore to provide individuals and small businesses with the practical means to access, control, and selectively share personal data that they have stored across multiple institutional datasets – to maximize the benefits of data sharing for individual empowerment whilst minimizing privacy risks and data misuse. By giving people the power to decide how their data can be used, DEPA enables an individual to control the flow of and benefit from the value of her personal data, relying on not only institutional data protection measures but also restoring individual agency over data use.

Q42. What is the most logical and crucial message conveyed by the passage?

- (a) Data on individuals and MSMEs can improve the ease of doing business in the country.
- (b) Data empowerment and protection architecture (DEPA) promotes user control on data sharing for empowerment.
- (c) Individuals and small businesses —lack controll over their own data.
- (d) Data currently exists in silos, gathering such data is a —cumbersomel process.

Passage

Scientists had observed superconductivity at room temperature, in a new composite material made of gold and silver. The claim created huge excitement. Superconductivity is a phenomenon that, so far, has been possible only at extremely low temperatures, in the range of 100°C below zero. The search for a material that exhibits superconductivity at room temperature, or at least manageable low temperatures, has been going on for decades, without success. If the claimed discovery were confirmed, it could be one of the biggest breakthroughs in physics in this century so far.

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Q43. What is the most logical and rational corollary of the above passage?

- (a) Superconductivity at room temperature is an important discovery which will be beneficial for the space industry.
- (b) This breakthrough discovery in physics will be difficult to commercialize in the near future.
- (c) Scientists across the world were involved in this research for the last decade.
- (d) This discovery would expand the scope and applications of superconductivity in daily life.

Directions (Q. 44-46): In each question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumption and decide which of the assumptions is implicit in the statement.

Q44. Statement: "The government's decision to supply ARV drugs in six selected states free of cost is commendable, but the patients should be adequately educated before the drugs are administered." – View of Mr. 'X'.

Assumptions:

- I. The patients can develop drug resistance if they are not regular in their medication.
 - II. The patients if not counselled properly may spread the drug – resistant disease.
- (a) If only assumption I is implicit
 - (b) If only assumption II is implicit
 - (c) If both I and II are implicit
 - (d) If neither I nor II is implicit

Q45. Statement: "Completely eliminating the say of executive is not acceptable; merit, ability, competence, integrity, and suitability of the candidate alone are not enough for appointment of High Court Judges." – A journalist

Assumption:

- I. A person's social outlook, concern for public interest and promotion of equality and his / her political outlook are also equally important.

II. Executive consultation will ensure greater transparency of the appointment.

- (a) If only assumption I is implicit
- (b) If only assumption II is implicit
- (c) If neither I nor II is implicit
- (d) If both I and II are implicit

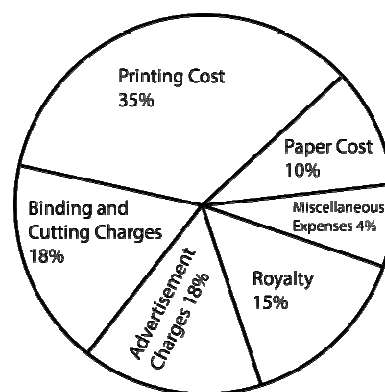
Q46. Statements: "It is alarming to note that only 48 to 50 percent of the voters of the State 'X' used their voting Rights. The government must make it mandatory for all to exercise their franchise in order to make the democracy more meaningful." – View of a voter.

Assumptions:

- I. Increase in the participation of voters will ensure increase in the rationality of the democratic set – up.
 - II. Making it "Mandatory for all to exercise their franchise" may increase the number of voters
- (a) If only assumption I is implicit
 - (b) If only assumption II is implicit
 - (c) If neither I nor II is implicit
 - (d) If both I and II are implicit.

Directions (47-48): The following questions are based on the pie-chart given below. Study the pie-chart and answer the questions.

The percentage expenses on various items during book production and sale.



Q47. If the 'Printing-Cost' is 17500, the royalty paid is

- (a) 8750
- (b) 7500
- (c) 3150
- (d) 6300

PRABHA IAS IPS ACADEMY

Q48. If the "miscellaneous expenses" are 6000. How much more are "binding and cutting charges" than "Royalty"?

- (a) 6000
- (b) 5500
- (c) 4500
- (d) 10500

Q49. The present ages of A and B are in the ratio 7:8. 5 years hence the ratio will become 8:9, find out the present age of B?

- (a) 56
- (b) 40
- (c) 35
- (d) 45

Q50. A man buys alcohol at Rs. 12.20 per liter. Then, he adds water into it and sells the mixture at Rs. 19 per liter and manages to book a profit of 42.5%. The ratio of alcohol to water received by his customer is:

- (a) 1: 10
- (b) 12: 31
- (c) 133: 11
- (d) 11: 133

Directions (Q. No. 51-53): Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

Passage

Economic losses due to extreme weather events have reached a record high while nations spar over liability. It is well-known that economic as well as environmental impacts of climate change will not be felt evenly as those who pollute the most might not suffer the most. This raises the question of liability and compensation. Developed nations tend to accrue large economic losses in the face of a natural disaster as they have more assets and infrastructure. Many understand loss and damage as going beyond adaptation: addressing those impacts of climate change that cannot be avoided.

But the reality of loss and damage includes crucial issues such as displacement of populations, loss of cultural identity, and indigenous knowledge. This will definitely need to be addressed.

Q51. Which one of the following statements best reflects the critical message of the passage?

- (a) The developed nations are responsible for the increased number of extreme weather events.
- (b) Countries should also consider noneconomic losses while addressing the impacts of climate change.
- (c) The UNFCCC adaptation fund should also finance the economic losses of the developed nations.
- (d) The number of casualties due to disasters is more in developed nations than in developing nations.

Passage

Higher education in India is in need of reform. In fact, higher education across the globe is failing to keep up with the changing demands of an unpredictable world. In India, the better institutions of higher education tend to prepare graduates for their first job or vocation. There is a need for a new vision for education that would represent the coming together of technology, humanities, and ethics. Interwoven learning has to be implemented at an institutional level. The Government of India's initiative to select Institutes of Eminence (IoE) is a step in the right direction. And these IoEs need to think beyond the current mandate of breaking into the top 500 global rankings. The intent must be to provide a flexible regulatory environment so that, with or without the tag of "eminence", institutes are encouraged to experiment.

PRABHA IAS IPS ACADEMY

Q52. With reference to the above passage, the following assumptions have been made:

1. At present, no Indian institute gets featured in the top 500 global rankings.
2. Most of the institutions of higher education in India do not focus much on innovation and research.
3. The current higher education framework in India is not imparting ethics to the students.
4. The institutes in India lack financial resources for experiments and research programs.
5. Learning becomes more important at the tertiary level of education.

Which of the above assumptions are valid?

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

Passage

The innovation of plant-based mock eggs by IIT Delhi has secured first prize at Innovate4SDG contest by 'UNDP (United Nation Development Program) Accelerator Lab India'. The mock egg has been developed from very simple farm-based crop proteins, which not only looks and tastes like egg but also very close in nutritional profile to a poultry egg. The development of the mock egg meets the protein needs of the diet-specific, health conscious, vegan, and vegetarian people, claims IIT-Delhi.

Q53. Which of the following are the most rational inferences that can be made from the passage?

1. This innovation will help India in accelerating progress towards the SDG-2: Zero Hunger and SDG-3: Good health and well-being.
2. Since the development of mock eggs is done from Genetically Modified (GM)

crops, their safety concerns remain an important challenge.

3. The development of mock eggs will help in reducing the carbon footprint of poultry industries.

Select the correct answer using the code given below.

- (a) 1 and 2 only
- (b) 2 and 3 only
- (c) 1 and 3 only
- (d) 1, 2 and 3

Directions (Q. No. 54-55): Study the following information given below to answer these questions.

There are 7 movies M1, M2, M3, M4, M5, M6, and M7 are released in 7 different month January, February, March, April, June, August, and October.

- M1 is released in the month having less than 31 days but not in April.
- There are 3 movies released between M1 and M3.
- M2 is released in one of the months after M4.
- No movie is released between M2 and M4.
- M5 is released in one of the months before M7.
- M5 is not released in a month having maximum number of days.
- No Movie is released between M7 and M5.

Q54. Which movie is released in the month of March?

- (a) M6
- (b) M7
- (c) M1
- (d) M3

Q55. Which of the following statements is true?

- (a) M1 is released in the month of October.
- (b) M3 is released between March and June.
- (c) M6 is released in a month after M2
- (d) None is true

PRABHA IAS IPS ACADEMY

Directions (Q. No. 56-58): This is a problem-solving question that requires analyzing two statements to determine whether they provide enough information to answer the question.

Q56. Consider the following statements:

Statement I: Ankur is 14 years older than Anuj.

Statement II: The sum of the age of Ankur and Anuj is p years.

Question: How many years old will Anuj be p years from now?

- (a) The data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
- (b) The data in statements II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
- (c) The data in both statements I and II is not sufficient to answer the question.
- (d) The data in both the statements I and II together is necessary to answer the question.

Q57. Consider the following statements with respect to A and B:

Statement I: After 10 years, the ratio of their ages will become 5:11.

Statement II: 5 years back, the age of A was 25% of the age of B.

Question: At present, the age of A is $\frac{1}{3}$ rd of the age of B then what are their ages?

- (a) The data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
- (b) The data in statements II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
- (c) Either Statement I or Statement II alone is sufficient to answer the question.

- (d) Neither Statement I nor Statement II alone is sufficient to answer the question.

Q58. Two statements S1 and S2 are given below followed by a question.

Statement 1: India imports about 1.5 crore tons of crude oil every year.

Statement 2: When foreign countries were recently invited to participate in exploration and production activity in India, nearly 67 companies took up the offer.

Question: Many Indian experts think that India has a very meager oil reserve. Is that correct?

- (a) S1 alone is sufficient to answer the Question.
- (b) S2 alone is sufficient to answer the Question.
- (c) S1 and S2 together are sufficient to answer the question, but neither S1 alone nor S2 alone is sufficient to answer the Question.
- (d) S1 and S2 together are not sufficient to answer the Question

Q59. Find the sum of square of first 30 natural numbers:

- (a) 9455
- (b) 8372
- (c) 7849
- (d) 6973

Q60. Consider the following equation:

$$\textcircled{C} + 2\textcircled{C} + 4\textcircled{C}\textcircled{C} + \textcircled{C}\textcircled{C} + \textcircled{C}6 = \textcircled{C}30$$

For which digit does the symbol \textcircled{C} stand for?

- (a) 6
- (b) 3
- (c) 2
- (d) 1

PRABHA IAS IPS ACADEMY

Directions (Q. No. 61-63): Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

Passage

Mental health situation in India demands active policy interventions and resource allocation by the government. To reduce the stigma around mental health, we need measures to train and sensitize the community/society. This can happen only when we have a persistent nationwide effort to educate society about mental diseases. We also need steps to connect the patients with each other by forming a peer network, so that they can listen and support each other. Moreover, people experiencing mental health problems should get the same access to safe and effective care as those with physical health problems. Additionally, mental illness must mandatorily be put under the ambit of life insurance. This will help people to see mental illness with the same lens as they use for physical diseases.

Q61. Which of the following statements best reflects the critical message of the passage?

- (a) India needs to recruit more mental health experts in rural areas to effectively address the challenge of mental health.
- (b) Building social capital along with policy intervention is key to effectively address the challenge of mental health.
- (c) Public Private Partnerships (PPPs) should be forged to make mental health advice more accessible.
- (d) The government should provide free health insurance to weaker sections to make the policy approach to mental health more inclusive.

Passage

Solar Energy possesses tremendous potential in bridging India's energy demand-supply gap in the future. There are various challenges for this industry, including lowering the cost of production, increasing R&D, consumer awareness and financing infrastructure. It is important to overcome these challenges for fast growth and mass adoption of the technology. Some of the immediate actions which could be taken by government to enable growth are efficient implementation of renewable energy certificates, usage of carbon trading as a source of revenue, immediate implementation of grid powered energy in regions of Rajasthan and Gujarat, development of off-grid usage in various applications such as cellular towers and encouraging localized mini grids in areas that lack connectivity today.

Q62. Which one of the following is best implied in the passage?

- (a) India does not have adequate demand for renewable energy certificates and carbon trading.
- (b) Active government intervention in promoting solar energy is needed to make solar a viable energy option.
- (c) The government should increase carbon tax in urban areas to generate more finances for the promotion of solar energy.
- (d) The proceedings from corporate tax should be effectively utilized to finance solar energy infrastructure, R&D and promote consumer awareness.

PRABHA IAS IPS ACADEMY

Passage

Microplastics, or small plastic particles from cosmetics, tyres, artificial grass, paints, and clothes, are emerging as another threat to marine ecosystems. Ingested by phytoplankton, microplastics pass through the food chain and find their way to our plates. Scientists have also raised concerns about the growing extent and duration of dead zones. One trigger for the dead zone is eutrophication, or excessive growth of plants and algae due to nutrient loads that may eventually result in oxygen depletion of the water body. Scientists have presented evidence to establish that land-based activities are responsible for almost 80 percent of the entire pollution in the oceans. In their reports, the scientists have identified five large marine ecosystems, including the Bay of Bengal that are most at risk from eutrophication.

Q63. Which one of the following is the most logical and rational inference that can be made from the above passage?

- (a) Dead zones are those regions where plants and algae are not found to provide oxygen that supports aquatic organisms.
- (b) Microplastics have proved to be toxic for human health.
- (c) Anthropological factors are mainly responsible for the damaged aquatic ecosystem.
- (d) The international community has failed to meet the targets under SDG-14.

Q64. Consider the following arrangement that has some missing letters:

xy _ z _ xxyx _ px _ yxzpx _ yxzpx

The missing letters which will complete the arrangement are

- (a) zyxy
- (b) yxzpx
- (c) xpzxx
- (d) yxyzx

Q65. A simple mathematical operation on certain prime numbers provide us the following number sequence: 122, 134, 142,

146, 158, 166, 178. What will be the next number in the given sequence?

- (a) 184
- (b) 194
- (c) 189
- (d) 196

Q66. There are 6 members A, B, C, D, E and F in a family who are spread across 3 generations. There are two couples in the family and no one from the third generation is married. E is the wife of C. F and B are a couple and the only people belonging to their generation. There are 4 male members in the family.

Which of the following must be true?

- (a) D is the grandson of A.
- (b) A and E belong to the same generation.
- (c) There is no female in the third generation.
- (d) E is the father of F.

Q67. A shopkeeper sells 1 kg rice to two customers Rani and Vani. For Rani he charges exactly the cost price but under weighs the quantity by 10%. For Vani he sells at 20% more than the cost price but over weighs the quantity by 10%. What is his overall profit/ loss percentage?

- (a) 10% loss
- (b) 10% profit
- (c) 9.1% loss
- (d) 9.1% profit

Q68. A telecom company is launching new kind of mobile numbers for a particular section of people. The company plans that the mobile numbers that they will be offering under this plan would contain only 5 digits from 0 – 9 and will start with 67. If the repetition of digits is not allowed in any issued number, then what is the total number of distinct mobile numbers that the company may issue?

- (a) 326
- (b) 346
- (c) 336
- (d) 350

PRABHA IAS IPS ACADEMY

Q69. If in a particular year 7th January is a Sunday, then which one of the following is correct?

- (a) 9th June is a Sunday, if the year is a leap year.
- (b) 9th June is a Sunday, if the year is a non-leap year.
- (c) 12th June is a Sunday, if the year is a leap year.
- (d) 12th June is a Sunday, if the year is a nonleap year.

Q70. An urn contains balls of red, white, green, yellow, pink, orange, and black color. The total number of balls in that urn is 100. Some of the red balls are replaced with pink balls of equal weight, black balls are replaced with white balls of equal weight, orange ball are replaced with yellow balls of equal weight and the total number of balls in the urn still remains hundred. What will happen to the average weight of the balls in the urn?

- (a) It increases
- (b) It decreases
- (c) It remains the same
- (d) No conclusion can be drawn due to insufficient data

Directions (Q. No. 71-74): Read the following passage and answer the questions that follow. Your answers to these questions should be based on the passage only.

Passage

It is important to remember that forest restoration is more than just planting trees. It's about reinstating the balance of the ecological, social and economic benefits of forests and trees within a broader pattern of land use. In some cases, this is best achieved by assisting the natural regeneration of local plant species, while in others, the planting of trees and other vegetation helps speed up the process of restoring the health and productivity of degraded landscapes. The Great Green Wall is an example of the latter. With support from the Food and Agriculture Organization of the United Nations (FAO), some 63,000 hectares have recently been

brought under restoration, benefiting 1 million people.

Q71. Which one of the following is best implied in the passage?

- (a) Afforestation should be taken in mission mode to restore forests.
- (b) We need to take a more comprehensive and multidimensional approach with respect to land use to achieve the goal of forest restoration.
- (c) Invasive alien species should be effectively curbed to protect the local plants.
- (d) Green walls should be created globally to restore degraded forests.

Passage

Whatever the outcome, it is clear that existing ideas about acceptable levels of data exchange are being challenged. Default norms provide power to the tech platforms to collect, analyse and monetize data with complete control. This undergirds business models that seem undesirable for society—with harms to privacy and free speech. Increasingly, users are aware of risks and are not shy of taking their business elsewhere. Global discussions about alternatives to the — exchange of data for free services" are becoming nuanced. The discourse in India is mature, and we are not just accepting global norms in data governance but actively challenging and shaping them as they emerge.

Q72. Which one of the following statements best implies the crux of the passage?

- (a) India's approach has been largely passive with regard to shaping the global data governance framework.
- (b) Tech platforms should not be allowed to collect personal data of individuals so as to protect privacy and free speech.
- (c) India has emerged as a key player in shaping global data governance.
- (d) Tech platforms have emerged as the biggest threat to privacy and free speech.

PRABHA IAS IPS ACADEMY

Passage

Unresolved agrarian questions, slow pace of industrial development and distorted economic growth of the service sector, have all led to the nature of economic development that is not symmetrical or equally poised with political democracy and rights. As long as capitalism in India remains backward to a large extent, in agriculture and industry, and as long as the distorted development continues, we will be stuck with the impasse of backward-looking nationalism and authoritarian populism. The current impasse is a product of achieving political modernity and a superstructure without its accompanying economic basis.

Q73. Which one the following statements best implies the crux of the passage?

- (a) Political democracy and economic development are mutually exclusive in developing countries.
- (b) India needs to adopt laissez faire to promote capitalism so that the industrial base gets a boost.
- (c) Inclusive development should be India's motto to achieve optimum economic development within the framework of political democracy.
- (d) India needs to promote progressive economic nationalism which favours curb on authoritarian populism.

Passage

Investment in human capital development is a prerequisite for job creation, growth, and productivity. The level of cognitive skills of a nation's students has a large effect on its subsequent economic growth rate. Nobel Laureate-economist Theodore Shultz has also conclusively proved that increased national output is a result of investment in human capital in the form of knowledge and skills. The rich world connected the dots early and that's why today they are far ahead of India on all counts. Industries, commerce, national development can only succeed with an educated workforce. Education is the master key that can unlock this country's potential

and needs to be top priority on the economic agenda. The national interest demands it.

Q74. With reference to the above passage, which one of the following could be *the* most rational and practical implication/implications for India?

- 1. Without investing in education India cannot realize its demographic dividend.
- 2. India should make its education system more decentralized to promote skill building.
- 3. If India invests 5% of its GDP on education and skilling youth, then India can join the group of top 5 most advanced countries.
- 4. Skill building of the youth in rural areas will curb rural-to-urban migration.

Select the correct answer using the code below.

- (a) 1 only.
- (b) 1 and 2 only
- (c) 2, 3 and 4 only
- (d) 1, 2, 3 and 4

Q75. In a certain police station, 20 officers are in ATS and 14 officers are in cyber security. 8 officers belong to both ATS and cyber security.

How many officers belong to cyber security only or ATS only?

- (a) 14
- (b) 12
- (c) 18
- (d) 9

Q76. A wooden box of thickness 0.5 cm, length 21 cm, width 11 cm and height 6 cm is painted on the inside. The box is open on the top, i.e. there is no top surface/lid. The expense of painting is Rs. 70. What is the rate of painting per square centimetre?

- (a) Rs. 0.7
- (b) Rs. 0.5
- (c) Rs. 0.13
- (d) Rs. 0.2

PRABHA IAS IPS ACADEMY

Q77. D is a positive integer, which is a product of two prime numbers. Which of the following **cannot** be a value of D?

- (a) 46
- (b) 91
- (c) 143
- (d) 153

Q78. Raman was asked to add the first few natural numbers (i.e., $1 + 2 + 3 + \dots$) as long as he wanted. When he stopped, he gave the sum as 575. When the teacher declared the result was wrong, Raman discovered that he had missed one number in the sequence during addition. What was the number that he missed?

- (a) Less than 10
- (b) 10
- (c) 15
- (d) More than 15

Direction (Q79-80): Below is a statement followed by two conclusions. Choose the correct answer based on the given information.

Q79. A statement is given followed by two conclusions:

Statement: Out of the two rice bags if one can contain maximum 50 kg rice and the other one cannot contain less than 30 kg and more than 80 kg rice, then which of the following can be concluded:

Conclusion I. The minimum quantity of rice in both the bags together can never be less than 30 kg.

Conclusion II. Both of the rice bags together can contain more than 130 kg.

- (a) Only Conclusion – I
- (b) Only Conclusion – II
- (c) Neither Conclusion – I nor Conclusion – II
- (d) Both Conclusion – I and Conclusion – II

Q80. A statement is given followed by two conclusions:

Statement: $2x + 14$ is divisible by x.

Conclusion I: Value of x can be 14.

Conclusion II: x can attain 4 values at maximum.

Which of the above conclusions logically follow/follows from the two given statements?

- (a) Only Conclusion – I
- (b) Only Conclusion – II
- (c) Neither Conclusion – I nor Conclusion – II
- (d) Both Conclusion – I and Conclusion – II

PRABHA IAS ACADEMY

PRABHA IAS IPS COACHING ACADEMY



ANSWERS: CSAT

1	B	41	C
2	B	42	B
3	C	43	D
4	B	44	D
5	D	45	B
6	A	46	D
7	B	47	B
8	A	48	C
9	C	49	B
10	A	50	C
11	C	51	B
12	C	52	B
13	D	53	C
14	A	54	B
15	C	55	D
16	A	56	C
17	B	57	C
18	C	58	D
19	B	59	A
20	B	60	A
21	A	61	B
22	C	62	B
23	D	63	C
24	A	64	C
25	D	65	B
26	A	66	C
27	C	67	B

PRABHA IAS IPS COACHING ACADEMY

28	D	68	C
29	C	69	A
30	A	70	C
31	B	71	B
32	C	72	C
33	B	73	C
34	B	74	A
35	C	75	C
36	A	76	C
37	C	77	D
38	D	78	D
39	C	79	A
40	B	80	A