

**S. (1) Direction for the following 1 (one) item: Read the following passage and answer the item that follows. Your answer to the item should be based on the passage only.**

### PASSAGE 1

Accounts of Dravidian mobilization in Tamil Nadu have focused largely on their achievement of economic growth and welfare outcomes. Less recognized is the centrality of urbanization in distributing the benefits of growth and development relatively more inclusively. T.N.'s urban trajectory has been distinct from most other parts of India on two accounts. One, T.N. has continuously attempted the breakdown of traditional caste-based hierarchies to enable the upward mobility of ordinary people, transforming them into agents of urban transformation. Two, urbanization in T.N. is more broad-based, being driven by multiple urban centres rather than a few metropolitan cities, as in the case of Maharashtra or Gujarat.

1. Which of the following is the most important message the author wants to convey through the above passage?
  - A. Tamil Nadu's urban trajectory has been distinct from other parts of India.
  - B. Tamil Nadu has continuously attempted the breakdown of caste based hierarchies.
  - C. Urbanisation in Tamil Nadu is more broad based.
  - D. Urbanisation has helped Tamil Nadu in distributing the dividends of growth across the population in a better way.

**S. (2) Direction for the following 1 (one) item: Read the following passage and answer the item that follows. Your answers to the item should be based on the passage only.**

### PASSAGE 2

The union government has now formed a three-member Commission of Inquiry headed by former Chief Justice of India, Justice K.G. Balakrishnan, to examine whether the Scheduled Caste (SC) status can be accorded to Dalits who have over the years converted to religions other than Sikhism or Buddhism.

2. Based on the above passage following assumptions have been made.
  - I. Religion as a criteria to accord Schedule Caste status to Dalits may be removed.
  - II. Inclusion of Dalit Christians and Muslims as Schedule Caste may be considered.

Which of the above assumptions are/is valid.

- A. I only
  - B. II only
  - C. Both I and II
  - D. Neither I nor II
3. A girl was trying to find  $\frac{7}{9}^{\text{th}}$  of a number. But she found  $\frac{9}{7}^{\text{th}}$  of the number and realized that the difference between the answer she got & the correct answer is 32. What was the actual number?
  - A. 49
  - B. 63
  - C. 56

D. 72

4. Sarath borrowed a sum of Rs.9000 at a Bank in Simple Interest. He borrowed the same amount from one of his friend in compound interest. If the difference between his interest is Rs.40, find the rate percentage?
- A. 5.55%  
B. 6.66%  
C. 7.77%  
D. 8.88%
5. The average age of three old ladies before 3 years was 42. The average age of second and third old lady 5 years ago was 25. What is the present age of first old lady?
- A. 56  
B. 69  
C. 75  
D. 84
6. Four sides of a rectangular swimming pool are 1012 metres, 1276 metres, 1716 metres and 2112 metres respectively. Find the greatest length of a scale which can measure the 4 sides of the pool completely?
- A. 45  
B. 47  
C. 44  
D. 46

S. (7-9) **Direction for the following 3 (three) item: Read the following passage and answer the item that follows. Your answers to the item should be based on the passage only.**

### PASSAGE 3

There are four declared candidates for permanent membership: India, Japan, Brazil and Germany, called the G-4. Africa and Latin America and the Caribbean are unrepresented in the permanent category at present. Africa's claim for two permanent seats has wide understanding and support, but the Africans have yet to decide which two countries these are to be. As for India, we can discount Pakistan's opposition; China will not support India nor will it ever support Japan. Brazil has regional opponents and claimants. As for Germany, Italy is firmly opposed to its claim.

Italy has an interesting argument. If Germany and Japan – both Axis powers during the Second World War, and hence 'enemy' states – were to join as permanent members, that would leave out only Italy, the third founding member of the Axis group. In any case there are already three western nations among the P-5. Even if India enjoyed near universal support, there is no way that India alone can be elected; it will have to be a package deal involving countries from other groups.

There is quite a debate going on about whether the aspiring countries should accept permanent membership without the right of veto. There is no ambiguity regarding the position of the P-5. Every one of them is firmly opposed to conferring the veto power to any prospective new permanent member. Not just the P-5. The vast majority of members do not want any more veto-wielding members in the Council. There is a proposal to the effect that a resolution can be defeated only by a negative vote of at least two permanent

members. This also is a non-starter; the P-5 are firmly opposed to any dilution of their privileged position.

7. Out of four declared candidates for permanent membership to UN security council, India alone can be elected because:

- I. India has near universal support.
- II. Germany's claim is opposed by India
- III. Japan's claim is opposed by China
- IV. Brazil claim is opposed by her neighbours.

Give the correct answer using the following codes.

- A. II, III and IV only
- B. I only
- C. I, II, III and IV
- D. None of the above

8. Following assumptions have been made based on above passage:

- I. Addition of few more non permanent members would not be objected to by P-5.
- II. With India's present standing it should be easy to become a permanent member.

Which of the above assumptions are valid?

- A. I only
- B. II only
- C. Both I and II
- D. Neither I nor II

9. With which of the following statements the author of the passage will not agree:

- I. No P-5 members will agree to give permanent membership with veto power.

- II. A resolution can be defeated by a negative vote of at least two permanent members.
- III. Africa's claim for two permanent seats has a wide understanding.
- IV. Many member nations do not mind addition of few more permanent members with veto power.

Answer using the following codes:

- A. All of the above
- B. I and II only
- C. II and IV only
- D. None of the above

**S. (10-11) Directions for the following 2 (two) items: Read the following passage and answer the items that follow. Your answers to these items should be based on the passage only.**

## PASSAGE 2

It is always advisable to surrender a child rather than abandon him if the conditions to retain the child are beyond the control of parents or guardian. Abandonment endangers the child's life. Surrender before the Child Welfare Committee (CWC) is a guarantee that the child will be taken care of till he or she attains majority or is adopted by a fit and willing parent. As most of the reasons for child abandonment are an unwanted pregnancy, breakdown of a relationship, lower socioeconomic status, either or both parents being drug addicts or alcoholics, a child can be considered eligible for surrender and declared so after the prescribed process of inquiry and counselling. Further, the disclosure of the

identity of such children is prohibited and all reports related to the child are to be treated confidential by the CWC. Hence, there is nothing the parents need to fear about. Also, the surrender of a child does not entail any criminal action.

10. What is the most, rational and critical inference that can be made from the above passage?

- A. Women should be encouraged to abort unwanted pregnancies.
- B. Awareness needs to be increased at all levels regarding the ease and importance of surrendering a child to CWC than abandonment.
- C. Prohibit completely abortion/surrender/abandonment of unwanted pregnancies/children.
- D. Mothers should be penalized heavily for abandoning a child.

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

- I. Mothers abandon their unwanted children rather than surrender as they presume it is easier and has no adverse criminal consequences.
- II. The state desires to give an helping hand to mothers in distress who do not know what to do with unwanted babies.

Which of the above assumptions are/is valid.

- A. Both I and II
- B. I only
- C. II only
- D. Neither I nor II

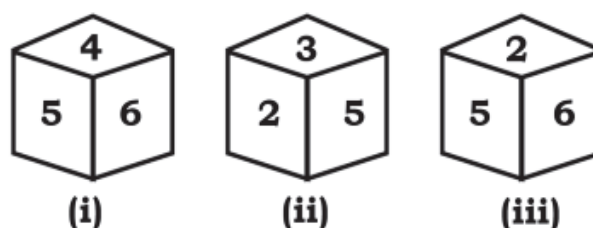
12. Rajesh and Ramesh contest in an election. There were 7000 votes totally and Rajesh won by securing 55% of the valid votes. What would have been the valid votes secured by Ramesh, if 30% of the total votes were declared invalid?

- A. 2135
- B. 2425
- C. 2365
- D. 2205

13. Rolex watch showroom allows a discount of 10% on the advertised price of a new arrival watch. What price should be marked on that watch, that costs them 60,000, so that they make a profit of 20%?

- A. 80,000
- B. 72,000
- C. 75,000
- D. 85,000

14. Four positions of a single dice are given below. Find the digit at the face opposite to the face having the digit '3'?



- A. 1
- B. 4
- C. 3
- D. 6

15. What number will come in the place of '?'.

2, 6, 12, 20, ? , 38, 50.

- A. 24

- B. 26
- C. 28
- D. 30

**S. (16) Direction for the following 1 (one) item: Read the following passage and answer the item that follows. Your answers to the item should be based on the passage only.**

### PASSAGE 1

Ukraine has been massively assisted by NATO weaponry, training, satellite, communications and human intelligence, reconnaissance, information processing systems and total control over the global media. While the World Bank is slow to help devastated war-torn nations such as Yemen and Afghanistan, it rushed \$4.5 billion to Ukraine, while the International Monetary Fund came up with \$1.4 billion. The West fails to understand how hypocritical its sanctions appear. For example, the United States exerted much effort persuading India and others to boycott Iranian and Venezuelan oil, only to try to get those shipments back on the market after its opposition shifted to Russia.

16. From the above passage following assumptions have been drawn:

- I. Era of war is coming to an end
- II. Geopolitics and Geoeconomics go hand in hand.

Which of the above assumptions are/is valid:

- A. Both I and II
- B. I only
- C. II only
- D. Neither I nor II

**S. (17-19) Directions for the following 3 (three) items: Read the following passage and answer the items that follow. Your answers to these items should be based on the passage only.**

### PASSAGE 2

Ladakh's recent Union Territory status, a government eager to expand economic opportunities via tourism and the Indian Army expanding its infrastructure development, lighting to bolster its defence at the India-China border which is not far away – all these are challenges in keeping light from seeping into Hanle.

To strike a balance, the Ladakh government along with the Indian Institute of Astrophysics (IIA) and India's Scientific Ministries is laying the groundwork to have Hanle declared as an International Dark Sky Reserve by the International Dark-Sky Association. Since 1988, the U.S. based non-profit has been advocating the cause of minimizing light pollution and certifies places where night skies are least polluted as International Dark Sky Reserves or sanctuaries.

"The average tourist visits for high roads, exotic landscape, and Pangong Lake. Hanle is already in a wildlife sanctuary and developing it as such a reserve would encourage a newer kind of tourism, or Astro-tourism," says Kotwal. "The most important condition, however, is that it must have the support of the local community".

In the weeks ahead, amateur and professional astronomers have been roped in by the IIA and the local



government to give talks on constellations to villagers. As many as 18 telescopes will be set up in village clusters, and homestay owners trained in elementary astronomy to guide Astro-tourists. Villagers will also be given dark curtains to minimize outgoing light from residences. The roads will be installed with light delineators.

Having been promised electrification in two years and funds from the government to improve their homes to homestays, residents of the village say they would be happy to comply with light restrictions.

17. From the above passage following are the challenges in keeping artificial light away from Henle:

- I. Lighting at the Indo-China border.
- II. Restrictions of Dark-Sky association.
- III. Increased economic activities.
- IV. Electrification of the village to improve homes as homestays.

Select the correct answer using the code below:

- A. I, II and IV only
- B. I, III and IV only
- C. I, II and III only
- D. II, III and IV only

18. Which of the following measures from the passage will enable Hanle to be developed as an International Dark Sky Reserve:

- I. Developing Astro tourism by government.
- II. Issue of dark curtains to villagers to minimise outgoing light from the residences.
- III. Light delineators for roads.
- IV. Support of the local community.

Select the right answer using the code below:

- A. I, II, III and IV
- B. I and II only
- C. I and III only
- D. II, III and IV

19. Once Hanle is declared as an International Dark Sky Reserve, the following are the assumptions that can be made based on the passage:

- I. Indian Institute of Astrophysics (IIA) is likely to get a boost to its activities.
- II. Local community will not get any benefits due to proposed light restrictions.

Select which of the above restrictions are / is valid using the following codes:

- A. I only
- B. II only
- C. Both I and II
- D. Neither I nor II

**Directions for (Questions 20 to 24):**  
**Study the pie chart given below to answer these questions.**

Percentage of players from different countries who participated in the chess Olympiad at Chennai.

Total players = 8000



Percentage of Female players from different countries who participated in chess Olympiad at Chennai.

Total players = 3500.



20. What is the respective ratio between the number of female players from Georgia to the number of female players from Armenia?

- A. 2:7
- B. 2:5
- C. 2:3
- D. 3:7

21. What is the total number of male players from Uzbekistan & Ukraine together?

- A. 2175
- B. 2725
- C. 2527
- D. 2275

22. What is the respective ratio between the number of male players from India and number of male players from Ukraine?

- A. 197:134
- B. 198:133
- C. 197:133
- D. 198:134

23. What is the respective ratio between the number of female players from Georgia and number of male players from the same country?

- A. 35:69
- B. 32:69
- C. 35:67
- D. 32:67

24. The number of female players from India are approximately what percentage of male players from the state?

- A. 14%
- B. 28%
- C. 46%
- D. 54%

25. The sum of five consecutive even numbers is 116 more than the sum of four consecutive odd numbers. If the sum of smallest odd number and smallest even number is 55, what is the smallest odd number?

- A. 167
- B. 181
- C. 173
- D. 199

S. (26) **Direction for the following 1 (one) item: Read the following passage and answer the item that follows. Your answer to the item should be based on the passage only.**

### PASSAGE 1

Chinese inroads into the neighbourhood have been a cause of worry for India. China has been actively pursuing bilateral ties with Bangladesh. Bangladesh had

successfully approached China for a mega project to enhance Teesta River water flow. Bangladesh also requires China's support in resolving the Rohingya refugee crisis. Bangladesh is the second biggest arms market for China after Pakistan.

Bangladesh has also been warming up to Pakistan. The two shared frosty ties for decades after Pakistani politicians made unwarranted comments on the International Crimes Tribunal set up by Bangladesh. Although memories of 1971 remain, Bangladesh has expressed its interest in establishing peaceful relations with Pakistan.

26. What is the most important message the author is conveying through this passage?

- A. India should be worried about China making inroads into her neighbourhood.
- B. India should talk about the misdeeds of China and Pakistan in international forum.
- C. Make efforts to keep Bangladesh and Pakistan hostile to each other.
- D. India should work close with Bangladesh and resolve pending issues and build upon the goodwill earned by the liberation war of 1971.

**S.(27) Direction for the following 1 (one) item: Read the following passage and answer the item that follows. Your answer to the item should be based on the passage only.**

## PASSAGE 2

Unlike other endangered endemic bird species in the Nilgiris such as the Nilgiri Laughing Thrush (*Montecincla cachinnans*), which seems to have a degree of adaptability and tolerance for anthropogenic changes to its environment, the *Sholakili* (Nilgiri Blue Robin) seems to be highly restricted to only Shola forest habitats, making it more susceptible to changes in its environment, said an independent researcher and wildlife biologist. He said the habitats of the *Sholakili* were shrinking due to expanding plantations, settlements and other construction activities.

27. Which of the following is the most crucial and logical inference that can be made from the above passage?

- A. Restrict all tourist visits to the Nilgiris.
- B. Study how Nilgiri Laughing Thrush is more tolerant to anthropogenic changes and apply lessons learnt for *Sholakili*.
- C. Cease forthwith further expansion of plantations, settlements and other construction activities.
- D. Support research of *Sholakili* on priority so that policies can be formulated to ensure their survival.

28. Balaji, Arun, Prasad and Vimal are business partners. Their profit is shared in the ratio 3:5:9:13 respectively. If the share of Prasad is 1800 Rs more than share of Balaji, then what is the total amount of share received by Arun and Vimal?

- A. 5400
- B. 4700



- C. 6200  
D. 3600

29. Amit and Sumit can do a piece of work in 15 days and 20 days respectively. Both of them worked together and earned Rs.3500. What would be the share of Amit?

- A. 1500  
B. 2000  
C. 3500  
D. 4000

30. In a 1500 m running race, two players run at 10 kmph and 8 kmph respectively. The second player is 100 metre ahead of the first players. What time will be taken by the first player to overtake second player?

- A. 6 minutes  
B. 2 minutes  
C. 5 minutes  
D. 3 minutes

S. (31) **Direction for the following 1 (one) item: Read the following passage and answer the item that follows. Your answer to the item should be based on the passage only.**

### PASSAGE 1

The fall in fertility around the globe has been a result of decades of demographic process, and hence needs scientific and sustainable policies for mitigation. Even though there is looming pessimism about a lower fertility rate, there are ways to get the most out of it and diminish its negative effects. The advancement in healthcare and better nutrition around the world have

increased the life expectancy and productivity of older citizens. Reforms in the labour market to induce more flexibility in the labour market would encourage working women to have more children and non-working mothers to enter the labour market.

31. What is the most logical and rational inference of the above passage.

- A. Nothing can be done to mitigate the negative effects of fall in fertility rate.  
B. More women should start working to item the shortfall of the labour market.  
C. India is unlikely to be impacted by the falling fertility rate.  
D. Labour reforms are needed to retain elderly and to incentivize mothers/would be mothers to contribute in the labour markets.

S. (32-35) **Directions for the following 4 (four) items: Read the following passage and answer the items that follow. Your answers to these items should be based on the passage only.**

### PASSAGE 2

Twentieth century capitalism does not have solutions: in fact, it is the problem. The time has come to reform economics. Principles of equity and ethics, and fair sharing of power and resources, must constrain unbridled drives for efficiency and productivity to increase the size of the economy that have become the thrusts of economic policies globally. New models of cooperative governance are required to realize the promise of humanity's shared commons. With his concepts of

*perestroika* and *glasnost*, Gorbachev wanted to save common citizens from being oppressed by powerful people. His successors, ill-advised by economists, handed over the Russian economy to unbridled capitalism. Oppression by the state was replaced by exploitation by capitalists. Ten million Russian men died prematurely. And Russians lost pride in their identity and history. More men are now losing their lives on the battlefield in Ukraine in Putin's bid to protect Russia and recover Russian pride. Concepts of free trade, financial freedom, and privatization, promoted by macroeconomists, are not good solutions for India's billion citizens struggling for resilience in their lives. India's policymakers seem obsessed with increasing the size of the economy. The shape of an economy matters more than its size for human well-being.

32. What is the most crucial message the author is conveying through the above passage?

- A. Efficiency and productivity to increase the size of the economy should be the focus of the Indian Government.
- B. Twentieth century capitalism has no solutions.
- C. Free trade and privatization are key to faster growth of Indian economy.
- D. Reforming economics through new concepts of cooperative governance is imperative.

33. "Twentieth century capitalism does not have solutions: in fact, it is the problem". Why?

- I. Focuses mainly on increasing the size of an economy.
- II. Encourages ethics and equity
- III. Replaces oppression by state as a seductive alternate.
- IV. Controls economic growth through priorities of fairness and contentment.

Selects the correct answer using the code given below.

- A. All of the above
- B. II and IV only
- C. I, III and IV
- D. I and III only

34. Gorbachev's desire was:

- I. To handover the Russian economy to unbridled capitalism.
- II. For Russians to recover their last pride.
- III. For Putin to wage war in Ukraine.
- IV. To protect common Russians from being oppressed by the mighty.

Selects the correct answer using the code given below: -

- A. None of the above
- B. IV only
- C. I only
- D. II and III only

35. Based on the above passage the following assumption have been made:

- I. Main reason for the ten million premature deaths in Russia was due to uncontrolled capitalism.
- II. Unbridled capitalism is the only reason for more men losing their lives in Ukraine.

Select the valid assumptions using the code below:

- A. I only
- B. II only
- C. Both I and II
- D. Neither I nor II

the floor is 35m and 49m respectively. If the side of one tile is 7m, find the number of tiles needed to decorate the floor.

- A. 35
- B. 56
- C. 49
- D. 63

36. The length and breadth of a rectangular signboard are in the ratio 7:2 respectively. Find the perimeter of the signboard if 15m area is 3584 sq m.
- A. 246 m
  - B. 292 m
  - C. 286 m
  - D. 288 m

37. Santhosh went to a hotel to buy some tiffin namely idly, vada & dosa. He has to buy at least 9 units of each. He buys more vada than idly & more dosa than vada. He picks up a total of 32 items. How many vada does he buy?

- A. Either 12 or 13
- B. Either 11 or 12
- C. Either 10 or 11
- D. Either 9 or 11

38. Vishal reaches Patna on Friday and found he reached the place 3 days before. If he had reached Patna on coming Sunday, then how many days before or after he would have reached Patna?

- A. One day before
- B. One day after
- C. Two days before
- D. Two days after

39. A rectangular floor has to be decorated with square tiles. Length and breadth of

40. In a school, the students are interested in various sports activities. 55% are interested Badminton, 50% are interested in Volleyball, 42% are interested in Hockey, 28% are interested in Badminton and Volleyball, 20% are interested in Volleyball and Hockey, 12% are interested Badminton and Hockey and 10% are interested in all the three. If each one of them are interested in at least one of these, then what percentage of students are interested in exactly one sport?

- A. 40%
- B. 49%
- C. 57%
- D. 59%

41. There are 3 pipes in which pipe A can fill a tank in 2 hours, Pipe B can in 6 hours and Pipe C can empty the tank in 12 hours. What time it will take for the pipes to fill the tank if all pipes are opened together.

- A.  $4\frac{6}{7}$
- B.  $2\frac{3}{7}$
- C.  $3\frac{2}{7}$
- D.  $1\frac{5}{7}$

42. A is the brother of B and C. D is C's father and B is the son of E. If D has only one daughter, which of the following cannot be true?

- A. B is the brother of A
- B. D and E are married couples
- C. A, B and C are brothers
- D. E is C's mother.

S. (43-44) **Directions for the following 2 (two) items: Read the following passage and answer the items that follow. Your answers to these items should be based on the passage only.**

### PASSAGE 1

The Bay of Bengal has long been a major commerce hub for the Indian Ocean. It created a conduit between the East and the West in terms for trade and culture. An Indo-Pacific orientation and the realignment of global economic and military power towards Asia have had a considerable impact on the Bay region. The key sea lanes of communication in this area are lifelines for global economic security and are crucial to the energy security that powers the economies of many countries in the region. Further, non-traditional dangers including terrorism and climate change have become more prevalent. The Bay also provides an opportunity for greater regional cooperation in the environmentally friendly exploration of marine and energy resources. The Bay has a biodiverse marine environment. It receives water from some of the world's largest rivers. It is a partially enclosed sea that has given rise to several geological characteristics. It is

home to many rare and endangered marine species and mangroves, which are essential to the survival of the ecology and the fishing sector.

43. On the basis of the above passage following assumptions have been made:

- I. Littoral governments working together is important, due to the shared nautical concerns and the complexity of the marine environment in the Bay of Bengal.
- II. For a better knowledge of challenges and strategies of and for the Bay of Bengal there is a need for suitable study centres.

Which of the above assumptions is/are valid?

Select your answer using the code below:

- A. I only
- B. II only
- C. Both I and II
- D. Neither I nor II

44. With which of the following statements the author will not agree:

- A. Bay of Bengal is a major commerce hub for the Indian Ocean.
- B. Non-traditional dangers are now highly prevalent in the Bay
- C. Key sea lanes in the Bay are important for global economic security.
- D. The Bay has biodiverse aquatic habitats.

S. (45-47) **Directions for the following 3 (three) items: Read the following**

**passage and answer the items that follow. Your answers to these items should be based on the passage only.**

### PASSAGE 2

The draft Indian Telecommunication Bill, 2022 (Telecom Bill) – published for public consultation on September 21, 2022 – aims to create a legal framework attuned to the realities of the 21st century to ensure India's socioeconomic development. This Telecom Bill follows the release of the consultation paper, "Need for a new legal framework governing Telecommunication in India", which was published on July 23, 2022. However, it fails to let go of the colonial moorings that have shaped the law around telecommunications in India for the past century.

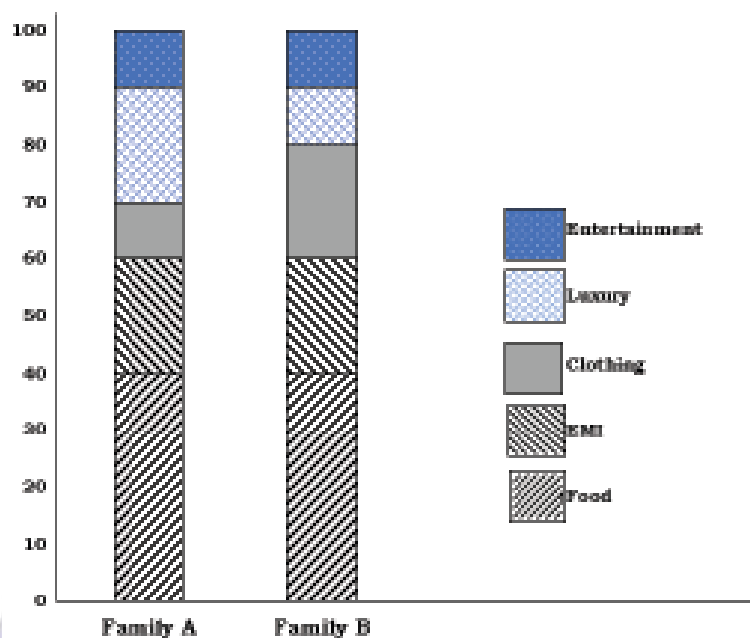
Instead, it represents multiple squandered opportunities for significant legislative reform. The Telecom Bill misses the opportunity for the democratization of telecommunication services. Now, it has preferred a move towards centralization of power through its new licensing regime. Here, the Telecom Bill also fails to inculcate the learnings evolved in courts and other institutions of authority, and instead repackages the provisions from pre-Independence laws to pass them off as legislative advancements. This is in lieu of enacting sweeping legislative reform which would cement user rights as the cornerstone of the Indian telecommunication sector.

45. What is the tone of the passage?

- A. Neutral
- B. Applauding

- C. Analytical
- D. Critical

46. According to the author, following are the good points of the draft Telecom Bill?



- I. Incorporated past legal learnings.
- II. Democratisation of the telecommunication services.
- III. Colonial past has been cut off

Select the correct answer using code given below

- A. I and II only
- B. I and III only
- C. III only
- D. None of the above

47. Based on above passage, the following assumptions have been made:

- I. The Telecom Bill will usher in a wave of stricter regulations.
- II. The Telecom Bill is attuned to the realities of the 21st century

Which of the above assumption is/are valid?



- A. I only
- B. II only
- C. Both I and II
- D. Neither I nor II

48. Sandeep started walking towards North, he walks 5 metres and then turns to his right, walks 2 metres and turn to his right again and walks 6 metres and turns to his left, walks 4 metres and then turns to his right. At this point, in which direction he is facing?
- A. South
  - B. South west
  - C. North
  - D. North east

**S. (49-52) Directions for (Questions 49 to 52): Study the bar diagram given below to answer these questions:**

49. What fraction of family A expenditure is accounted for EMI?

- A.  $\frac{1}{5}$
- B.  $\frac{2}{3}$
- C.  $\frac{6}{7}$
- D.  $\frac{9}{10}$

50. If the total expenditure of family B is Rs.10,000 the expenditure accounted for clothing is:
- A. Rs.200
  - B. Rs.600
  - C. Rs.2000
  - D. Rs.6000

51. If the total expenditure of family A is Rs.30,000 then the expenditure accounted for Food, EMI and Entertainment is:

- A. 6000
- B. 24000
- C. 8000
- D. 21000

52. Which family accounts for higher expenditure out of EMI and Entertainment together?

- A. Family A
- B. Family B
- C. Both spent equal amount
- D. Cannot be determined

53. If in a certain language, APPROACH is written as YRNTMCF, then OBJECTIVE is written as

- A. MGDHGAVXIG
- B. MDHGAVHTG
- C. MDHGAVGXC
- D. MDGHAVITG

**S. (54) Directions for the following 1 (three) item: Read the following passage and answer the items that follow. Your answers to these items should be based on the passage only.**

### PASSAGE 1

As one might expect, depression is strongly correlated with poverty and poor health, but also with loneliness. Among the elderly living alone, in the Tamil Nadu sample, 74% had symptoms that would classify them as likely to be mildly depressed or worse on the short-form Geriatric Depression Scale. Large majority of elderly person

living alone are women mainly widows. The hardships of old age are not related to poverty alone, but some cash often helps.

master builders and Napoleonic conquerors. Writers marveled at their Darwinian ferocity. But they were reviled by others as robber barons and rogues and sinners against the moral order. For the first time Wall Street became a spectacle, an object of mass fascination. It seduced and repelled people sometimes the same people at once.

54. Which among the following could be the most logical and rational inference that can be made from the passage:
- Old age causes depression.
  - In joint families the old will not be depressed.
  - Wholistic support systems are needed to take care of elders.
  - Providing old age pension is the key to handling depression.

55. With which of the following statements will the author agree?

S. (55) **Directions for the following 1 (three) item: Read the following passage and answer the items that follow. Your answers to these items should be based on the passage only.**

- Railroad was the key to the industrial revolution in America.
- Everyone was fond of Wall Street.
- Wall Street financiers with government support played a big role in the transformation of America.
- Robber barons and rouges were the master builders of Railroads.

### PASSAGE 2

After the Civil War, an industrial revolution remade the nation at unimaginable speed. In a generation, America became a place more recognizable today than it would have been to people who came of age when Lincoln did. Wall Street figured centrally in that great transformation. Its titanic financiers dominated the economic and political landscape, especially the railroads which were the cornerstone of the new economy and which depended on a supportive and pliant government for their creation. The men who choreographed their construction and lived lavishly off their proceeds were revered by some as

56. Six bells ring at intervals of 2, 3, 5, 6, 9, 12 minutes respectively. They started ringing simultaneously at 5.00 am. Until 2.00 pm, how many times all the bells will ring together?
- 4 times
  - 2 times
  - 6 times
  - 3 times
57. Out of 18 games in a tennis tournament, the average points scored by a player is 30. Her highest point exceeds her lowest score by 20 points. If her lowest and highest point games are not considered, her average is decreased by 2. Find her highest point.
- 52
  - 54

- C. 56  
D. 58

- B. Rs.250, 20%  
C. Rs.250, 25%  
D. Rs.250, 30%

58. Sheela had a particular amount in hand. She spent 90% of that amount for her family and gave the remaining amount to Meena. From the money Meena received from Sheela, she spent 15% on books and 20% on medicines. After all the expenses, Meena had 1950 Rs. In her hand as the remaining amount. What was the amount which Sheela gave to Meena?

- A. 3000  
B. 2500  
C. 1700  
D. 2600

59. The cost price of a branded T-shirt is Rs.150 more than the cost price of a normal T-shirt. Normal T-shirt was sold at a profit of 10% and Branded T-shirt was sold at a loss of 20%. If the ratio of selling price of the two T-shirts is 11:12, what is the cost price of the Branded T-shirt?

- A. 400 Rs.  
B. 450 Rs.  
C. 480 Rs.  
D. 520 Rs.

60. Arjun borrowed a certain sum from Babu for 2 years at simple interest. Arjun lent that sum to Chandru at the same rate of interest for 2 years at compound interest. At the end of 2 years, Arjun received Rs.110 as compound interest but paid Rs.100 to Babu as simple interest. Find the sum and rate of interest.

- A. Rs.250, 10%

S. (61-63) **Directions for the following 3 (three) items: Read the following passage and answer the items that follow. Your answers to these items should be based on the passage only.**

### PASSAGE 1

Politics for Gandhiji, was but a part of man's life, one that encircles men like the coil of a snake from which one cannot get out, no matter how much one tries. Though he thought that an increase in the power of the state can inflict the greatest harm to mankind by destroying individuality which lays at the root of the progress, yet he viewed political power as a means that enabled people to make their conditions better in every department of life. He wrote, "my work of social reform was no way less or subordinate to political work. The fact is, that when I saw that to a certain extent my social work would be impossible without the help of political work, I took to the latter and only to the extent it served the former". Political life is not stranger to other aspects of life. He used to say, "My life is one indivisible whole, and all my activities run into one another, and they all have their rise in my insatiable love of mankind".

Political activity of man is closely associated with other activities of man and all these activities, according to Gandhiji, influence each other. That is why he never separated politics from other walks of man's life. What he hated in politics was the concentration of power and the use of

violence associated with political power. In his own words, "The state represents violence in a concentrated and organized form. The individual has a soul, but the state is soulless machine, it can never be weaned from violence to which it owes its very existence."

What I would personally prefer, would be not a centralization of power in the hands of the State but an extension of the sense of trusteeship ...."

Politics and for that matter the state, according to him was not an end, but a means that enabled men to make their lives better. An ideal state or political life is one in which men rule themselves. For Gandhiji there is no political power in the ideal state because in it there is no state. But as the ideal was not fully realized in life, Gandhiji contented himself with Thoreau's classical statement- that government was best which governed the least.

61. From the above passage Gandhiji would agree with which of the following statements:

- I. State owes its existence to violence.
- II. State represents violence in full form.
- III. State is not an end but a means to make people's life better.
- IV. State should have centralized power to ensure good governance.

Select the correct answer using the code given below:

- A. All of the above
- B. 1, 2 and 3
- C. 4 only
- D. None of the above

62. Gandhiji contented himself with Thoreau's classical statement because:

- A. They were friends.
- B. State needs to centralize power to govern well.
- C. Democratic government is the best.
- D. Government should facilitate individuals' wellbeing with least interference.

63. From the above passage the following assumptions have been made:

- I. More the power to the State more the progress of individuals.
- II. Without State individuals can live better.

Which of the above assumptions are / is valid:

- A. I only
- B. II only
- C. Both I and II
- D. Neither I nor II

**S. (64) Direction for the following 1 (one) item: Read the following passage and answer the item that follows. Your answers to the item should be based on the passage only.**

## PASSAGE 2

The Dravidian discourse in Tamil Nadu saw the village as the site of oppression and the urban as liberating as opposed to M.K. Gandhi's vision of village reconstruction.

64. The above discourse led to the following in Tamil Nadu:

- A. Rapid urbanization and breaking down of existing social structures.

- B. Villages became the engines of economic growth in Tamil Nadu.  
 C. Increase of oppression in villages.  
 D. M. K. Gandhi was not respected in Tamil Nadu.

D. E

65. The calendar for the year 2002 will be the same for the year.

- A. 2013  
 B. 2008  
 C. 2009  
 D. 2024

S. (66-68) **Directions for (Questions 66 to 68): Study the bar diagram given below to answer these questions.**

A, B, C, D and E are 5 important cities. Three are industrial cities, two are port cities, one is a hill station and three cities have universities each. Every hill city has a university but has no port. D is not a port city, No port city has a university. B is a port city. Two industrial cities have universities and 'C' and 'D' are not industrial cities. The industrial cities with universities don't have ports & none of the industrial cities is a hill station. 'D' is a hill station and 'E' has a university.

66. Which city has industries as well as port but does not have a university?

- A. A and D  
 B. D and B  
 C. B  
 D. C

67. Which city has neither hill station nor university nor Industries?

- A. B  
 B. C  
 C. A

68. Which two cities have ports?

- A. A and B  
 B. B and C  
 C. C and D  
 D. D and E

69. Akash speaks truth 3 out of 4 times and Vasu speaks truth 5 out of 6 times. What is the probability that they will contradict each other stating the same fact?

- A.  $\frac{2}{3}$   
 B.  $\frac{1}{3}$   
 C.  $\frac{5}{6}$   
 D.  $\frac{1}{2}$

70. The number of ways in which a committee of 2 ladies and 3 gentlemen can be appointed from a group consisting of 6 ladies and 5 gentlemen, given that Mr. Hari refuses to serve in the committee if Mrs. Shanthi is a member, is

- A. 80  
 B. 70  
 C. 160  
 D. 162

71. Which of the following conclusions follows based on the given statements?

Statements:

All towels are cloths.

Some pillows are towels.

No clothes are carpets.



Conclusions:

- I. Some pillows are cloths.
- II. No carpets are towels.
- III. Some pillows are carpets
- IV. Some clothes are towels.

- A. I, III and IV only follows.
- B. I, II and IV only follows.
- C. I and IV only follows.
- D. I and III only follows.

72. A test has 100 questions. There is two mark for a correct answer, while there is a negative penalty of one mark for wrong answer and 0.5 marks for unattended question. A student did not attempt 12 questions and secured net total of 68 marks. How many questions did he attempt?

- A. 45
- B. 48
- C. 54
- D. Cannot be determined

73. What is the least prime number by which 2800 should be multiplied so that the product may be a perfect square?

- A. 2
- B. 5
- C. 7
- D. 11

74. If  $a^2 = 117 + b^2$  and  $a = 3 + b$  then the value of  $a + b$  is? (given  $a > 0$  and  $b > 0$ ).

- A. 37
- B. 39
- C. 41
- D. 43

75. On Independence Day, chocolates were to be distributed amongst 300 children. But on that day, 50 students were absent and so, each child got one extra chocolate. How many chocolates were distributed?

- A. 1450
- B. 1700
- C. 1500
- D. 1650

**S. (64) Direction for the following 1 (one) item: Read the following passage and answer the item that follows. Your answers to the item should be based on the passage only.**

A cultural program is planned for Diwali holidays with events like Western Dance, Group singing, English play, Carnatic music, classical dance, instrument concert and stand-up comedy from 20th October to 27th October.

- i. The program should start with Carnatic music.
- ii. 21st October being a Sunday, should be a holiday.
- iii. English play should be on the previous day to western dance.
- iv. The program should end with instrument concert
- v. Classical dance should immediately after the holiday, group singing follows classical dance.
- vi. There should be a gap of one day between group singing & western dance and between English play and standup comedy.

76. Which program is followed by English play?

- A. Western dance
- B. Carnatic music
- C. Classical dance
- D. Group singing

77. How many days gap between English play and classical dance?

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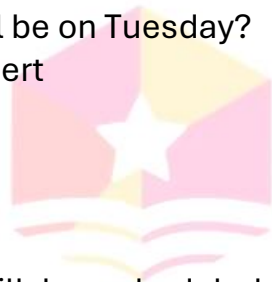
- A. One
- B. Two
- C. Three
- D. Four

78. Which program immediately precedes Instrument concert?

- A. Group singing
- B. Western dance
- C. Classical dance
- D. Stand-up comedy

79. Which program will be on Tuesday?

- A. Instrument concert
- B. Western dance
- C. Group singing
- D. None of these



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Dibrugarh

80. Which program will be scheduled 3 days before Western dance?

- A. Carnatic music
- B. Instrument concert
- C. Classical dance
- D. Group singing