



2022
GENERAL STUDIES
Paper-II

Time Allowed: Two Hours

I N S T R U C T I O N S

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

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET IS COMPLETE AND UNDAUNTED OR TORN OR MISSING PAGES OR ITEMS. IF YOU FIND ANY DEFECT, REPORT IT IMMEDIATELY TO THE INVIGILATOR.

2. Please use the QR code and fill in the Roll Number without any delay in the designated places in the OMR Answer Sheet. Any omission/erroneous marking is liable for rejection.

3. Please fill in the Roll Number in the designated space on the Answer Sheet alongside the QR code.

4. The Test Booklet contains 80 items (questions). Each item is printed in English. Each item comprises four alternatives (responses). You will select the response which you want to mark on the Answer Sheet. In case you find more than one correct response, mark the response which you consider the best. In any case, you should mark **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 IN THE OBJECTIVE TYPE QUESTION PAPERS.

- (i) There are four alternatives for the answer to every question. For each question 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 a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
- (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

Exam Mode: ONLINE



PMTS(CS)-56 : 4th Test

- The test is based on the Civil Service Preliminary Examination (General Studies: Paper-I)
- Date of Test: 3-2-2022
- Test Timing: 12:00noon to 02:00pm (2 hours)

THE TEST IS CONDUCTED THROUGH ONLINE

1. Two statements S1 and S2 are given below followed by a Question:
 S1: In a cricket match, out of 11 batsmen, the sum of the runs scored by last 10 batsmen is 16 times the first batsman.
 S2: The average runs scored by all batsmen is 136.
Question:
Find the runs scored by first batsmen. Which one of the following is correct in respect of the 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.

2. Two trains P and Q are running at a speed of x km/hr and y km/hr respectively. Time taken by train P to cross a pole is half the time taken by train Q to cross the same pole. If the length of train Q is half of the length of train P, then which of the following is true?
 - (a) $x = 4y$
 - (b) $y = 4x$
 - (c) $x = 2/y$
 - (d) $x = y$

3. Three Statements S1, S2 and S3 are given below followed by a Question:
 S1: Q is to the immediate left of T.
 S2: T is third to the right of W.
 S3: R is a neighbor of T.
Question:
 If Q, W, E, R and T are sitting in a row facing south, then who is to the immediate left of Q?
Which one of the following is correct in respect of the above Statements and the Question?
 - (a) S1, S2 and S3 all together are sufficient to answer the Question.
 - (b) S1 and S2 together are sufficient to answer the Question.
 - (c) S2 and S3 together are sufficient to answer the Question.
 - (d) S1 and S3 together are sufficient to answer the Question.

Direction (4):

Refer the data table given below and answer the items that follow:

Designation	Number of Employee	Annual salary (in Lakh)	Bonus as Percent of annual salary
CEO	1	48	50%
MD	5	26	20%
VP	2	20	30%

4. What is the total bonus (in rupees)?

- (a) Rs. 60 lakh
- (b) Rs. 56 lakh
- (c) Rs. 16 lakh
- (d) Rs. 62 lakh

Direction (5): Refer the data table given below and answer the items that follow:

Designation	Number of Employee	Annual salary (in Lakh)	Bonus as Percent of annual salary
CEO	1	48	50%
MD	5	26	20%
VP	2	20	30%

5. Which of the following is correct with respect to the data given in the table?

- I. Total bonus of 2 MD's is more than that of 2 VP's.
- II. Total bonus of CEO is more than that of all MD's.

Codes:

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

Direction (6):

Refer the data table given below and answer the items that follow:

Designation	Number of Employee	Annual salary (in Lakh)	Bonus as Percent of annual salary
CEO	1	48	50%
MD	5	26	20%
VP	2	20	30%

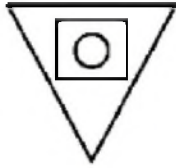
6. What is the ratio of bonus earned by both VP's and CEO?

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

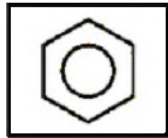
7. What shall come in place of questions mark (?) in the given analogy?



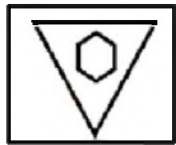
(a)



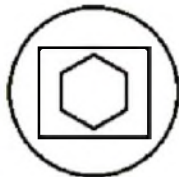
(b)



(c)



(d)



8. A die is rolled twice. What is the probability of getting a sum equal to 9?

- (a) $5/36$
 (b) $1/9$
 (c) $7/36$
 (d) $2/9$

9. Consider the following data:

Things from which government earns money	Percentage(%) of money
Income tax	14
Union Excise Duty	8
Corporation Tax	13
GST	15
Custom	3
Non Tax Revenue	6
Borrowings	36
Non Debt Capital Receipts	5

Non Tax Revenue is approximately how much percent less than Corporation Tax?

- (a) 60%
 (b) 54%
 (c) 45%
 (d) 40%

Direction (14): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Your smoke is also bad for other people - they breathe in your smoke secondhand and can get many of the same problems as smokers do. This includes heart disease and lung cancer. Children exposed to secondhand smoke have a higher risk of ear infections, colds, pneumonia, bronchitis, and more severe asthma. Mothers who breathe secondhand smoke while pregnant are more likely to have preterm labor and babies with low birth weight.

14. Which one of the following best **summarises** the content of the passage?
- Passive smoking is as injurious to health as active smoking.
 - Schools and maternity homes should be declared no-smoking zones.
 - Quitting smoking is an altruistic act.
 - Smoking is detrimental to respiratory, cardiovascular and reproductive systems.

Direction (15): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

The idea of a sponge city is to make cities more permeable so as to hold and use the water which falls upon it. Sponge cities absorb the rain water, which is then naturally filtered by the soil and allowed to reach urban aquifers. This allows for the extraction of water from the ground through urban or peri-urban wells. This water can be treated easily and used for city water supply. In built form, this implies contiguous open green spaces, interconnected waterways, and channels and ponds across neighbourhoods that can naturally detain and filter water. It implies support for urban ecosystems, bio-diversity and newer cultural and recreational opportunities. These can all be delivered effectively through an urban mission along the lines of the Atal Mission for Rejuvenation and Urban Transformation (AMRUT), National Heritage City Development and Augmentation Yojana (HRIDAY) and Smart Cities Mission.

15. On the basis of the above passage, the following assumptions have been made:
- Groundwater is the main source of water in urban areas.
 - The idea of sponge cities hinges on retaining natural ways of water absorption.

Which of the above assumptions is/are valid?

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

Direction (16): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Biodiversity is important for more than just food. For instance, we use between 50,000 to 70,000 plant species for medicines worldwide. The Great Barrier Reef, a coral reef off the coast of northeastern Australia, contributes about \$6 billion to the nation's economy through commercial fishing, tourism, and other recreational activities. If the coral reef dies, many of the fish, shellfish, marine mammals, and plants will die, too.

16. Which one of the following is the most logical and rational inference that can be made from the above passage?
- Conservation of biodiversity is imperative for sustaining ecological and economic balance.
 - The Great Barrier Reef of Australia harbours one of the largest biodiverse ecosystems in the world.
 - The oceanic food web is so complex that death of a single species would be compensated by alternative sources of food.
 - Food security is one of the most important functions of biodiversity.

17. In a gram panchayat election, 5 panchayat members are to be elected including sarpanch from 10 candidates. All voters are allowed to vote for any number of candidates, not greater than the number to be elected. If a voter votes for at least one candidate, then the number of ways in which he can vote is:
- (a) 385
 - (b) 252
 - (c) 637
 - (d) 537

Direction (18):

There is a group of six members A, B, C, D, E and F in a family. They all like different colors - red, blue, green, white, pink and black but not necessary in the same order. There are two married couples in the family. The one who likes white is the grandfather of D who likes black. B who likes red is married to C. A, who likes blue, is married to the one who likes green. E is the mother of D and F.

18. Which of the following pair is not correct?
- (a) B - red
 - (b) E - green
 - (c) E - blue
 - (d) A - blue

Direction (19):

There is a group of six members A, B, C, D, E and F in a family. They all like different colors - red, blue, green, white, pink and black but not necessary in the same order. There are two married couples in the family. The one who likes white is the grandfather of D who likes black. B who likes red is married to C. A, who likes blue, is married to the one who likes green. E is the mother of D and F.

19. How many females are there in the family?
- (a) Two
 - (b) Three
 - (c) Four
 - (d) Cannot be determined

Direction (20):

There is a group of six members A, B, C, D, E and F in a family. They all like different colors - red, blue, green, white, pink and black but not necessary in the same order. There are two married couples in the family. The one who likes white is the grandfather of D who likes black. B who likes red is married to C. A, who likes blue, is married to the one who likes green. E is the mother of D and F.

20. Colors liked by E and F respectively are:
- (a) Green and Pink
 - (b) Pink and Green
 - (c) Pink and Blue
 - (d) Black and White

Direction (21): Read the following the passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

The State of Agriculture Commodity Markets 2020 report underlines that we need to rely on markets as an integral part of the global food system. This is all the more important in the face of major disruptions, whether they come from health crises, locust outbreaks or climate change impacts. Well-functioning markets are key for development and economic growth. International trade can be a powerful instrument, and markets can be harnessed to foster sustainable economic, social and environmental outcomes.

21. Which of the following statements best reflects the **critical message** of the passage?
- Developing countries and emerging economies are increasingly participating in global markets.
 - Global value chains have emerged rapidly and are widespread in food and agriculture.
 - Higher trade barriers can promote global value chains and contribute to growth in agriculture and the food industry.
 - Agricultural and food markets can be harnessed to deliver sustainable development outcomes.

Direction (22): Read the following the passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Pandemics like COVID-19 can exacerbate not only violence within the home, but other forms of violence against women and girls. Violence against female healthcare workers as well as migrant or domestic workers increases. Xenophobia-related violence, harassment and other forms of violence in public spaces and online is more prevalent and the risk of sexual exploitation and abuse becomes more likely. Some groups of women, including human rights defenders, women in politics, journalists, bloggers, women belonging to ethnic minorities, indigenous women, lesbian, bisexual and transgender women, and women with disabilities are particularly targeted by ICT-facilitated violence. In New South Wales, Australia, 40 percent of front-line workers in a survey reported increased requests for help with violence that was escalating in intensity and complexity.

22. On the basis of the above passage, the following assumptions have been made:
- Other forms of violence (apart from domestic violence) against women and girls do not occur during normal times.
 - The reduced capacity of service providers like health workers, police, NGOs etc. during pandemic further makes the situation worse for victims of violence.
 - Unexpected events like Covid-19 pandemic might dampen the decades of progress in women empowerment.

Which of the above assumptions is/are valid?

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

Direction (23): Read the following the passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Pandemics like COVID-19 can exacerbate not only violence within the home, but other forms of violence against women and girls. Violence against female healthcare workers as well as migrant or domestic workers increases. Xenophobia-related violence, harassment and other forms of violence in public spaces and online is more prevalent and the risk of sexual exploitation and abuse becomes more likely. Some groups of women, including human rights defenders, women in politics, journalists, bloggers, women belonging to ethnic minorities, indigenous women, lesbian, bisexual and transgender women, and women with disabilities are particularly targeted by ICT-facilitated violence. In New South Wales, Australia, 40 percent of front-line workers in a survey reported increased requests for help with violence that was escalating in intensity and complexity.

23. Which one of the following is the **most logical and rational** corollary to the above passage?
- Economic lockdown should not be imposed during Covid-19 pandemic.
 - Even before the pandemic, violence against women was one of the most widespread violations of human rights.
 - Investments - both material and nonmaterial - to prevent and respond to violence against women should be increased.
 - 1 in 3 women has experienced physical and/or sexual violence from an intimate partner in their lifetime.

24. A thief wanted to break into a house by climbing a 12-meter-high wall. He had a 15-meter-long ladder. The maximum horizontal distance from the foot of the wall and ladder so that he could climb the wall easily is
- Equal to 10 meters
 - Less than 10 meters
 - More than 10 meters
 - Equal to the length of the wall
25. A sum of Rs. 15000 deposited at compound interest becomes double after 5 years. After 20 years, it will amount to what sum?
- Rs. 2,10,000
 - Rs. 2,40,000
 - Rs. 2,20,000
 - Rs. 1,80,000
26. A is taller than B, C is taller than A, D is taller than C and E is the tallest. If they are made to sit in the ascending order of height, who will occupy the central position?
- B
 - C
 - D
 - A

Direction (27): Read the following the passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Education is fundamental for achieving full human potential, developing an equitable and just society, and promoting national development. Providing universal access to quality education is the key to India's continued ascent, and leadership on the global stage in terms of economic growth, social justice and equality, scientific advancement, national integration and cultural preservation. Universal high-quality education is the best way forward for developing and maximizing our country's rich talents and resources for the good of the individual, the society, the country, and the world. India will have the highest population of young people in the world over the next decade and our ability to provide high-quality educational opportunities to them will determine the future of our country.

27. Which of the following is the **most rational inference** that can be made from the passage?
- India has the largest number of educated and skilled youth in the world.
 - India's future is linked to its ability to provide quality education to its youth.
 - The government in India plans to impart high quality education to its youth.
 - India's education policy aims to make India a global leader through the path of education.

Direction (28): Read the following the passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Washington is not alone in engaging the Indian Ocean in silos; Delhi's political class, too, has divided the ocean into many sub-regions. Traditionally, India draws a line with Mauritius and Seychelles as its areas of strategic collaboration in the Indian Ocean. In terms of sub-regions, the priority is in the northern (Arabian Sea and Bay of Bengal), and eastern Indian Ocean (Andaman Sea and Straits of Malacca). The Indian Navy, on the other hand, defines the region in its entirety as its area of responsibility from the coast of Malacca to the eastern coast of Africa.

28. What is the **main crux** of the above passage?
- (a) All the problems related to Indian Ocean and its management are because of improper division of the region.
 - (b) India and other nations have probably divided Indian Ocean region into many sub regions for its better management.
 - (c) Strategic management of Indian Ocean can be better done by managing the entire region as one.
 - (d) Indian Ocean is the only ocean divided into many sub regions for its management.

Direction (29): Read the following the passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Exactly a year ago, when India was in the middle of a complete lockdown to curb the spread of Covid-19 infections, most forecasters, institutional and private, had a bleak assessment of the Indian economy. A large number of them did not see the economy returning to 2019-20 levels of GDP even in 2021-22. These projections were revised favourably in late 2020, largely because of the fact that the easing of lockdown restrictions did not trigger a nation-wide second wave in India. That is not the case anymore. The second wave has come with a lag, but it is here — and it is more severe than the first.

29. What is the **main inference** drawn from the passage?
- (a) COVID-19 infections and related complete lockdown in the country a year ago have adversely impacted the GDP of the country.
 - (b) There was easing of lockdown restrictions in the latter half of the year 2020, which had and will have economic repercussions.
 - (c) Second wave of COVID -19 is more severe than the first.
 - (d) COVID pandemic will impact the GDP for a decade.

Direction (30): Read the following the passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

With the disease returning back in waves over a year, governments have had no choice but to introduce large-scale direct stimulus packages to revive their economies. As against the US\$ 11 trillion or more that have been pumped in so far, only US\$ 600 billion or so per year is getting allocated to climate investments by governments, multilateral agencies, and the private sector around the world. The scale of current stimulus funding provides a critical opportunity to design stimulus programmes such that it accelerates progress towards net zero carbon emissions by 2050. For instance, the European Green Deal is a new growth strategy that aims to transform the EU into a fair and prosperous society, with a modern, resource-efficient and competitive economy where there are no net emissions of greenhouse gases in 2050 and where economic growth is decoupled from intensive resource use.

30. Which of the following is the **most logical and rational message** conveyed by the above passage?
- (a) Governments around the world must align their economic recovery packages for addressing the social and economic concerns brought about by the pandemic along with their environmental obligations.
 - (b) It is critical to bring more investment into projects backed by policy that underline sustainable growth.
 - (c) The pandemic has derailed all plans of promoting environmental sustainability across all countries of the world.
 - (d) The governments can choose to deal with the pandemic on priority while the projects backing sustainability can be resumed afterwards.

Direction (31): Read the following the passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

With the disease returning back in waves over a year, governments have had no choice but to introduce large-scale direct stimulus packages to revive their economies. As against the US\$ 11 trillion or more that have been pumped in so far, only US\$ 600 billion or so per year is getting allocated to climate investments by governments, multilateral agencies, and the private sector around the world. The scale of current stimulus funding provides a critical opportunity to design stimulus programmes such that it accelerates progress towards net zero carbon emissions by 2050. For instance, the European Green Deal is a new growth strategy that aims to transform the EU into a fair and prosperous society, with a modern, resource-efficient and competitive economy where there are no net emissions of greenhouse gases in 2050 and where economic growth is decoupled from intensive resource use.

31. On the basis of the above passage, following **assumptions** have been made:
1. Environmental protection and sustainability cannot be ignored regardless of the economic situation.
 2. The attitude of governments across the world has been indifferent towards the cause of environmental protection and sustainability.

Which of the above assumption/s is/are valid?

- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2
32. For COVID-19 vaccination at a community health centre, Vinod was thirteenth from the left while Jasmine was twelfth from the right in the front row. They are facing the North and Jasmine is sitting to the right of Vinod. If Harshit was seventeenth from the left and was exactly in the middle of Vinod and Jasmine in the same row, then what was the total number of people in the front row?
- (a) 30
 - (b) 31
 - (c) 32
 - (d) 36
33. Government sent 3 boxes of mask for distribution in Bharatpur village. There were 450, 725 and 615 masks in 3 boxes respectively. Each villager got same number of masks. What is minimum possible number of villagers in the village?
- | | |
|---------|---------|
| (a) 358 | (b) 765 |
| (c) 456 | (d) 523 |

Direction (34): Read the following the passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Human capital has been at the forefront in ensuring that organisations are able to meet their day to day operational needs. Organisations face unique challenges from multiple dimensions in meeting the safety and wellness needs of their workforce while simultaneously up-skilling them. The sector has remained optimistic about workforce projections in line with business requirements. A big change has been the shift towards digital ways of working. Several companies stated that they had digital transformation as a top priority in their strategic plans but it was either lying in the plan books or was taking shape at a slow pace. The pandemic forced everyone to unlearn, learn and innovate in adapting to the new, digital ways of working,

34. Which one of the following is the **most logical and rational inference** that can be made from the above passage?
- Human capital consists of the knowledge, skills, and health that help people realize their potential.
 - Pandemic pushed organisations towards digital ways of working.
 - Human Capital is a static concept and once acquired cannot be upgraded.
 - Digital learning is not suitable for a country like India.

35. Three statements are given followed by four conclusions:

Statements:

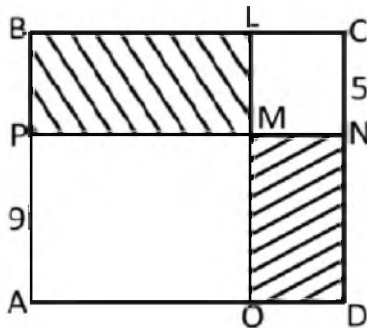
- Some ships are pencils.
- All pencils are erasers.
- Some erasers are sharpeners.

Conclusions:

- Some sharpeners are pencils.
- Some erasers are ships.
- Some sharpeners are erasers.
- Some sharpeners are ships.

Which of the above Conclusions logically follow(s) from the three given Statements, disregarding commonly known facts?

- Conclusion-ii, iii and iii
 - Both Conclusion-i and Conclusion-iv
 - Neither Conclusion-ii nor Conclusion-iv
 - Both Conclusion-ii and Conclusion-iii
36. In the figure given below, ABCD is a square, as are APMO and MLCN. If a point is selected at random inside ABCD, what is the probability that the point is in one of the shaded regions?



- $41/93$
 - $36/83$
 - $98/45$
 - $45/98$
37. A container contains 80 litres of pure milk. 8 litres of milk is taken out of it and replaced by same quantity of water. Again 8 litres of the resultant mixture is taken out and replaced by same quantity of water. This step was repeated one more time. What is the percentage of water in the final mixture?
- 28%
 - 30%
 - 27.1%
 - 26.9%

38. Yogendra is engaged in a production unit and his salary consists of basic salary and commission on the produced product. It is known that Yogendra produces 5000 units per month. During lockdown period his manager contacted him and asked him to choose the best one from the following. Which one of the following is the best remunerative option for Yogendra?

The manager offered the following salary options to Yogendra:

1. Rs. 10000 as basic salary, 8% HRA and 50 ltr petrol @ Rs.90/ltr. Commission - Rs. 10 per unit above 4500 produced
2. Rs. 7000 as basic salary, 16% HRA and Rs.3500 T.A., Commission - Rs. 7 per unit above 3900 produced
3. Rs. 15000 as basic salary and Rs. 1200 T.A., Commission - Rs. 3 per unit above 4200 produced

Which one of the following is correct?

- (a) 1 only is the best option for Yogendra.
 - (b) 2 only is the best option for Yogendra.
 - (c) 3 only is the best option for Yogendra.
 - (d) All the options are equally good for Yogendra.
39. What is the missing term # in the following?
LZQS : MBJH :: QGRW : #
- (a) KHGT
 - (b) RIID
 - (c) EROH
 - (d) KTIR

Direction (40): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

There are many reasons that could have been attributed to the Kisan Rails becoming one of the most sought after modes of transporting agricultural produce across many routes in the country. The most important among them is the robust network of Indian railways, which cuts through the remotest villages of the country and has helped small farmers get an opportunity to connect to the mainstream market and sell their agricultural produce. Second, the government has allowed a 50 percent subsidy for the transportation costs of fruits and vegetables, thereby, making it economically viable for farmers to transport their produce through the railways rather than the conventional roadways. The Kisan Rails, on an average, save up to 15 hours of travel time and cuts the transportation cost by 1,000 rupees per tonne. Further, no minimum price or quantity requirement is set for farmers' consignment, facilitating even the small farmers with lesser quantity of produce to reach the bigger markets. These farmers — who often could not afford the roadways and were cut off from the larger markets owing to logistical and cold storage issues now find an alternative in the veritable cold storage on the wheels.

40. Which of the following is the **most logical and rational message** conveyed by the above passage?
- (a) The idea of Kisan Rail is not new and should have been properly implemented earlier.
 - (b) Kisan Rail is popular amongst farmers since it solves major issues of connectivity, storage, and transportation.
 - (c) Several other modes of facilitating farmers' access to markets remain unexplored or underutilised.
 - (d) The power of Indian Railways can be augmented with other modes to ensure an increase in farmer income and their standard of living.

Direction (41): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Global warming is one of the most defining challenges of our time. The global food system, which encompasses production and post-farm processes such as processing, and distribution accounts for 25 percent of global Green House Gas (GHGs) emissions. At the same time, food production is also highly dependent on the natural resource base of the planet — accounting for 50 percent of habitable land use, 70 percent of freshwater use, and 78 percent of global ocean and freshwater pollution. Therefore, improving the way food is produced — and consumed — will go a long way towards addressing global warming.

41. On the basis of the above passage, consider the following statements:
1. Radical changes in the overall patterns of demand for food is necessary.
 2. Understanding factors that influence the current demand patterns for food and ways to modify them to achieve outcomes in harmony with the planetary boundaries is crucial for countering global warming.

Which of the above statements can be concluded from the passage?

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

Direction (42): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Innovation and invention in military hardware for almost three centuries now, has been the preserve of a selected few. Resource rich countries like the USA, Europe, Russia, and Israel, for many decades have been leaders. They primarily are inventors of military hardware and have set the agenda for the world in this field. It's only in the past decade that more countries are entering the club albeit more as innovators and not necessarily inventors. The recent war between Armenia and Azerbaijan is an indication of where the future points to. The new entrants can be called Technovitiates and include China, India, Pakistan, North Korea, Turkey, South Africa amongst others. Technovitiates, at present, are mostly endeavouring to produce copies of what is already there, with countries like China fast moving into the inventor category.

42. On the basis of the above passage, following assumptions have been made:
1. For the old players, it is the availability of abundant resources giving rise to a thriving military-industrial complex backed by sustained research and development (R&D).
 2. For the Technovitiates, it is ambition and a feeling of lagging behind that drive's military innovation and invention.

Which of the above assumptions is/are valid?

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

Direction (43): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

The COVID-19 pandemic led to the mass migration of people from the real to the virtual world as people turned to the internet to keep themselves connected and updated amidst social distancing measures and lockdowns. As much as the internet has been lauded for democratising access to information and has provided a platform for the ordinary person to voice their views, the digital space has also mirrored the issues and problems that plague the real world. Those marginalised in the real world are now facing marginalisation in

the digital sphere as well. From financial fraud and bullying to an alarming rise in cyber-attacks against health facilities, the pandemic has exposed the faultiness and the gaps in the mechanisms to protect people — particularly vulnerable sections of society — and institutions online. Women have had to bear the brunt of patriarchal norms, misogyny and sexism spilling over from the real world to the virtual.

43. Which of the following is the most logical and rational message conveyed by the above passage?
- Marginalisation is indifferent to the mode, sphere or platform being used and manifests itself across all of them.
 - The Internet has empowered the marginalised sections and crushed age-old notions of patriarchy, misogyny etc. by providing them with numerous opportunities to counter dominant narratives using their voice.
 - It is the pandemic that is responsible for the widespread issues of misogyny, patriarchy, online abuse, and such other issues with the society.
 - The governments must regulate cyberspace to ensure greater security for the most marginalised sections of the society.
44. A contractor has to complete a renovation work, for which he can hire labours from a pool of labours, each of whom have the same efficiency. At the start, he hires 5 labours who can complete the task in 9 days. On third day, he hires two more labours. What is the total number of days required to complete the work?
- 18 days
 - 8 days
 - 7 days
 - 9 days
45. What is the last two digits of 107^{67} ?
- 07
 - 49
 - 43
 - 01

Direction (46): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

If we can trace many contacts for COVID-19 cases, can't we adopt a similar approach of trace and treat for tuberculosis (TB) cases in India? That can help in accelerating the target of TB elimination from India and achieve 'TB Mukht Bharat'. Unfortunately, it is unlikely to happen, since COVID-19 is a disease that has also hit the prosperous populations in a big way, while TB largely remains a disease of poverty. Since neither vaccines nor treatments existed, survival chances of Covid-19 were not indexed to economic status – and that, in many ways, explains the promptness of the response.

46. Which of the following is **not a logical and rational conclusion** to the above passage?
- If rich, obese, older men were disproportionately threatened by TB like they are by Covid-19, we may have seen a similar response for the disease several decades ago.
 - The global policy response of doing next to-nothing in the case of many diseases that kill comparable numbers every year may not be politically feasible anymore.
 - The world has seen what the global health system is capable of when the leadership puts their mind to it.
 - There are clear trends of inequities in vaccination for diseases other than Covid that kill a significant number of people each year.

Direction (47): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Increasing diversity in private schools, which was sought through the RTE Act by reserving 25 percent of incoming seats for underprivileged children, was fought tooth and nail by private school associations, which continue to do so. Indeed, restricting admissions to those who are likely to shine in test scores is a privilege accorded only to private schools, enabling them to create a reputation for “performance” that often has less to do with the institution and more with the students enrolled and their family backgrounds (including private tuitions). The fact that government schools must admit every child and struggle to educate first generation learners, with little or no home support, is never listed as a positive attribute of the public system.

47. With reference to the above passage, the following assumptions have been made:
1. Private schools are unaffordable for a large section of the Indian population.
 2. There is a fear that educational institutions geared towards profit could exacerbate inequalities in society.
- Which of the above assumptions is/are valid?**
- (a) 1 only
 - (b) 2 only
 - (c) Both 1 and 2
 - (d) Neither 1 nor 2

Direction (48): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

For reasons best known to the “political” economists, agriculture was not freed in 1991, or thereafter — until now. Farmers are forced to sell their marketable produce only through a mandi regulated by the government. The new reformed law allows the farmer to sell through the APMC, and to sell outside the APMC. It is her choice. The government procures all its food through APMCs — only about 6 per cent of the farmers in India sell through the APMCs to the government. These 6 per cent are all large farmers, primarily residing in the two states of Punjab and Haryana. These two states typically account for close to 60 percent of wheat procurement and close to a third of rice procurement. The government procures from these farmers to re-distribute the food via ration shops to the bottom two-thirds of the population. But there are leakages. This leakage was first openly discussed by former Prime Minister Rajiv Gandhi in 1985 when he stated that only 15 percent of the food procured by the government reached the poor.

48. Which of the following is/are the **most rational and logical inference(s)** that can be made from the passage?
- (a) Procuring food through APMC is the most efficient way of government procurement.
 - (b) Only Punjab and Haryana grow quality food grains worthy of procurement.
 - (c) Most of the small and marginal farmers don't have access to government procurement.
 - (d) Corruption/leakages eats away all the benefits enshrined to the bottom two-third of the population.

Direction (49): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

India’s democratic exceptionalism is now withering away. Democracies do not charge peaceful protestors with sedition, do not have religious exclusionary principles for citizenship, do not curb press freedoms by intimidating dissenting journalists and newspapers, do not attack universities and students for ideological non-conformity, do not browbeat artists and writers for disagreement, do not equate adversaries with enemies, do not celebrate lynch mobs, and do not cultivate judicial servility. A democracy which speaks with one voice, which elevates citizen duties over citizen rights, which privileges obedience over freedom, which uses fear to

instil ideological uniformity, which weakens checks on executive power, is a contradiction in terms. For democratic theorists, these are all signs of creeping authoritarianism, not of democratic deepening. Elections alone cannot define what it means to be democratic.

49. Which one of the following statements **best implies the crux** of the passage?
- For democracy, elections are necessary, but not sufficient.
 - Citizen duties over citizen rights is an essential component of democracy.
 - There is decline in Indian democracy.
 - Peaceful protest is an essential aspect of democracy.

Direction (50): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Women were adopting specific strategies to further their interests in the context of wheat-based livelihoods. While more women have started working in the fields due to migration of men from rural areas to cities, data on their specific roles in agriculture remains sparse. Women selected and improved wheat varieties and inputs such as inorganic fertilisers. Women in societies practicing wheat-based agriculture have started challenging the norm of men being sole decision makers. They are transitioning from workers to innovators and managers.

50. Which one of the following is the **most logical and rational inference** that can be made from the above passage?
- Women's role as decision makers has increased in societies with women practicing wheat-based agriculture.
 - Agriculture is male dominant sector because of physical labour required.
 - Women are only engaged in wheat-based livelihoods.
 - Men are the sole decision makers due to patriarchal mindsets in the rural areas.
51. A, B and C started a venture. The ratio of capitals of A, B and C were 9:8:7. The ratio of time periods of A and B is 4:3, and the ratio of time periods of B and C is 3:2. At the end of the year they earned Rs. 1,11,000. What is the combined share of B and C?
- Rs. 57000
 - Rs. 36000
 - Rs. 55500
 - Rs. 62500

Direction (52): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Artificial Intelligence (AI) can be described as a system's ability to learn and interpret external data via software/algorithms or machines/devices for problem solving by performing specific roles and tasks currently executed by humans. AI can impact education in three ways. Firstly, it helps in developing customized learning environments based on ability, preferred mode of learning and experience. Secondly, the use of smart assistants and associated technologies offer significant potential to help students. Thirdly, AI systems can assist educators with secondary tasks such as grading activities, providing personalized responses to students, handling routine and repetitive paperwork and dealing with logistics-related matters. However, there exist a number of challenges and limitations of successfully implementing and utilizing AI in both public and private sector organizations. An effective public policy framework for AI would be needed to make this AI revolution work towards an equitable prosperity.

52. Which one of the following is the **most logical and rational inference** that can be made from the above passage?
- With an effective public policy framework, AI will overcome all the challenges and assume all the roles and tasks executed by humans smoothly and efficiently.
 - By providing a preferred mode of learning and experience, AI will increase the Gross Enrollment Ratio (GER) in higher education.
 - The AI-enabled learning experience will address the skill gap and solve the unemployment problem in India.
 - The use of AI within the education sector can improve teacher effectiveness and student engagement.

Direction (53): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

While the public sector banks (PSBs) have had to bear the brunt of the hit from fraudulent borrowing — they accounted for an almost 80% share in 2019-20 — the private sector lenders outpaced their peers both in terms of number of cases and the increase in value of frauds.

Even granting that fraud at a single private lender skewed the increase in cumulative value of transactions that year, a fivefold surge in value to Rs.34, 211 crores was on the back of a 34% jump in the number of fraud cases at these banks while the PSBs suffered only a 24% increase. These facts are especially germane when one considers that the government has been on mission mode in trying to expedite consolidation among the PSBs and is ultimately looking at opening up the sector as a whole to greater private sector participation.

53. What is the **most logical and crucial message** conveyed by the passage?
- Privatization of public sector banks should be undertaken in mission mode to bring in transparency in the banking sector.
 - Inefficient public sector banks have been the main reason for the rise of NPAs in India.
 - Judicious mix of private and public sector banks is essential for a progressive economy.
 - Private sector banks are not as efficient as they are often perceived.

Direction (54): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Manual scavenging is not only a caste-based but also a gender-based occupation with 90 percent of them being women. Households with dry latrines prefer women to clean the excreta instead of men as they are located inside the house. According to a Human Rights Watch report, on an average, women get paid as little as between Rs 10 and Rs 50 every month per household. It is much less than men who earn up to Rs 300 a day for cleaning sewer lines. This is where the irony of Swachh Bharat Mission lies. On the one hand it aims at protecting dignity of women by providing them with private sanitation spaces, and on the other, it is perpetuating humiliation of women manual scavengers as they are the ones who clean human excreta from dry-pit latrines.

54. With reference to the above passage, the following assumptions have been made
- India's approach to address the issue of manual scavenging has been gender neutral.
 - Economic inequality and Gender inequality are intricately linked.
 - Swachh Bharat Mission has failed to empower women as it has not eradicated manual scavenging.

Which of the above assumptions is/are valid?

- 1 and 2 only
- 2 and 3 only
- 1 and 3 only
- 2 only

Direction (55): Read the following passage and answer the item that follows the passage. Your answer to this item should be based on the passage only.

Passage

Today, our small businesses employing an exceptionally large number of workers need to use e-commerce more and more to augment their sales. These businesses compete against cheap imported goods while they face many disadvantages that unfairly dilutes their competitiveness. E-commerce provides them with the means to access a much bigger market without having to overly invest in marketing. This should include more and more foreign markets. Consumers, of course, have benefited enormously from e-commerce. Also, the harmonious working of online and offline retailers is essential. With GST and the drive towards digitisation, more small traders need to be enabled to make the transition and take advantage of the expanding opportunities.

55. What is the **most logical inference** from the above passage?
- In the modern era, small businesses cannot succeed without e-commerce.
 - Government needs to protect small businesses from cheap imports.
 - Small businesses should effectively utilise e-commerce to become more accessible.
 - GST has made e-commerce more favourable for all businesses.

Direction (56):

Ten boxes are placed beside each other. X is placed to the left of L. Three boxes are placed between W and F. Six boxes are placed between U and R. Six boxes are placed to the right of K. D is placed to the immediate right of C, which is placed to the right of F. Four boxes are placed between F and S, and S is placed to the left of U. And four boxes are placed between K and R.

56. What is the position of box X with respect to the position of box C?
- Fourth to the right of C
 - Fourth to the left of C
 - Third to the left of C
 - Immediate left of C

Direction (57):

Ten boxes are placed beside each other. X is placed to the left of L. Three boxes are placed between W and F. Six boxes are placed between U and R. Six boxes are placed to the right of K. D is placed to the immediate right of C, which is placed to the right of F. Four boxes are placed between F and S, and S is placed to the left of U. And four boxes are placed between K and R.

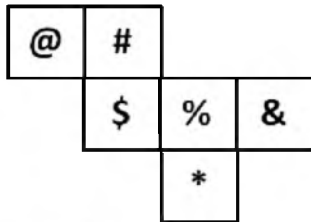
57. Which of the following is incorrect?
- Box L is to the left of box R
 - Box C and D are placed beside each other.
 - Box K and F are the neighbors of box L.
 - Box S and box W are not placed at extreme ends.

Direction (58):

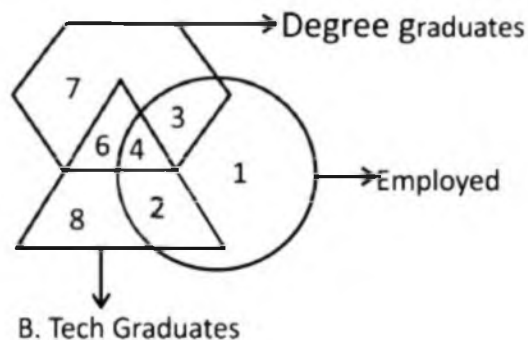
Ten boxes are placed beside each other. X is placed to the left of L. Three boxes are placed between W and F. Six boxes are placed between U and R. Six boxes are placed to the right of K. D is placed to the immediate right of C, which is placed to the right of F. Four boxes are placed between F and S, and S is placed to the left of U. And four boxes are placed between K and R.

58. Which of the following pairs is different from the other pairs in a certain way?
- U, X
 - S, U
 - F, C
 - F, D

59. If Nina celebrated her birthday on Tuesday, January 15, 1985, then after how many years will she celebrate her birthday on the same day again?
- (a) 5 years
(b) 7 years
(c) 6 years
(d) 14 years
60. If P means 'division', Q means 'addition', R means 'subtraction' and S means 'multiplication', then which of the following is correct?
- (a) $24P6Q10 = 5S6R12$
(b) $6P4S6 = 4Q2S6$
(c) $30S4P12 = 30P12S4P5$
(d) $108R72 = 78R42$
61. 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 @?



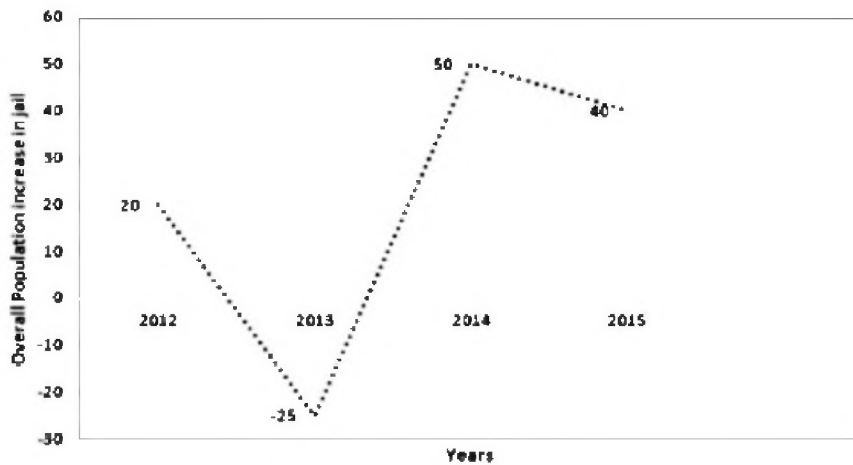
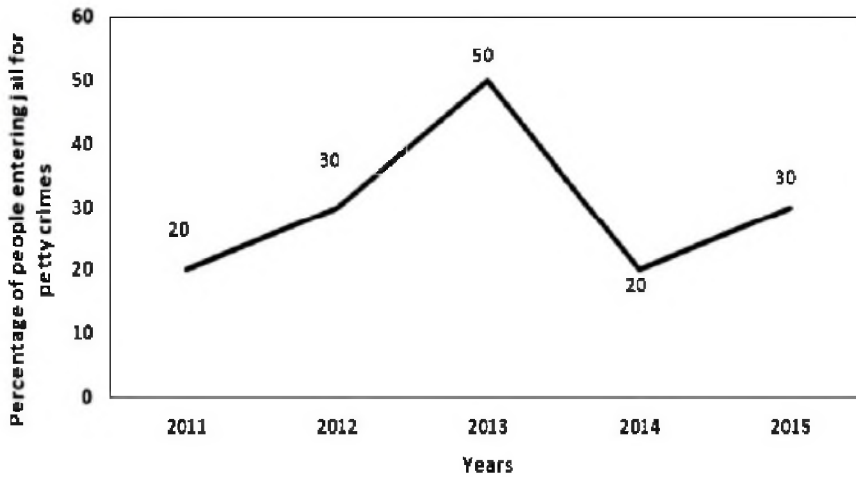
- (a) % (b) #
(c) \$ (d) &
62. Two Statements S1 and S2 are given below followed by a Question:
S1: The perimeter of the rectangular field is 30m.
S2: The cost of fencing rectangular field is Rs.25 per meter.
Question:
Determine the total cost of fencing the rectangular field.
Which one of the following 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
63. Study the following figure and answer the question given below:



- Which regions represent the B.Tech Graduates that are Employed?
- (a) $2 + 4$ (b) $4 + 3$
(c) $6 + 8$ (d) $1 + 2$

Direction (64):

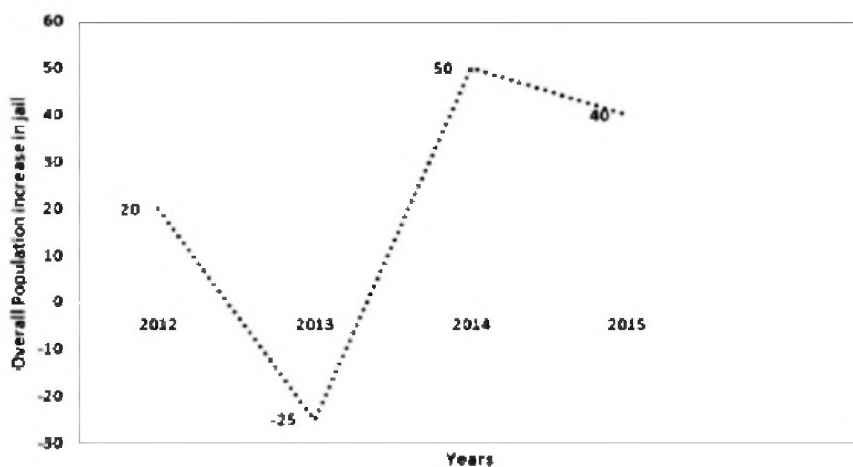
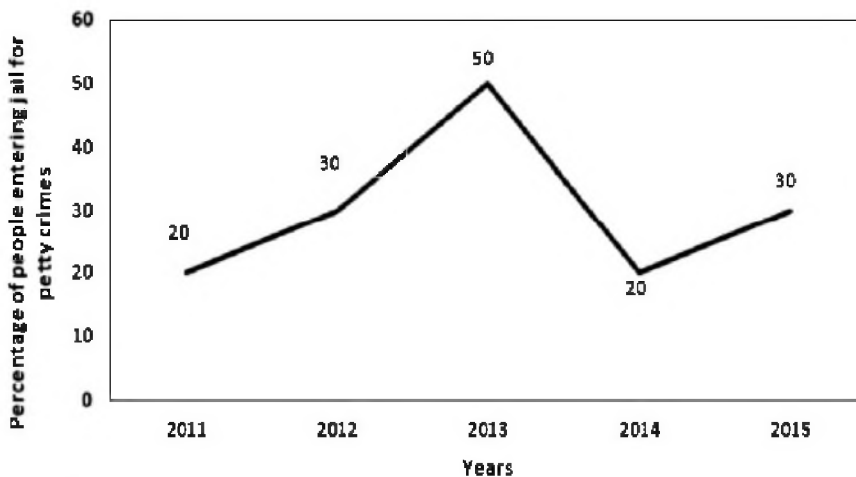
The first graph given below shows the percentage of people entering jail “X” for petty crimes (out of all the people entering the jail that year) and the second graph reflects the percentage increase in the overall population of the jail (as compared to the previous year).



64. In which year of the given years was the number of people entering jail with petty crimes was second lowest?
- 2012
 - 2014
 - 2015
 - 2011

Direction (65):

The first graph given below shows the percentage of people entering jail “X” for petty crimes (out of all the people entering the jail that year) and the second graph reflects the percentage increase in the overall population of the jail (as compared to the previous year).



65. What is the ratio of people entering the jail for petty crimes for the years 2012 and 2013?
- 4:5
 - 5:4
 - 2:3
 - 3:2

Direction (66): Read the following the passage and answer the question from the given passage. Your answer to this item should be based on the passage only.

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.

66. What is the most logical and crucial message conveyed by the passage?
- Availability of cheap labours no longer the key factor in determining the location of industries.
 - Political factors need to be given due priority by investors in their investment decisions.
 - The world should move towards economic liberalism to curb economic concentration.
 - Current economic policies globally are not conducive for investment.

Direction (67): Read the following the passage and answer the question from the given passage. Your answer to this item 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, befitting 1 million people.

67. 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.

Direction (68): Read the following the passage and answer the question from the given passage. Your answer to this item should be based on the passage only.

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. Current impasse is a product of achieving political modernity and a superstructure without its accompanying economic basis.

68. Which one of 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.

Direction (69): Read the following the passage and answer the question from the given passage. Your answer to this item should be based on the passage only.

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.

69. 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 realise its demographic dividend.
 2. India should make its education system more decentralised 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 definitely curb rural-to-urban migration.

Select the correct answer using the codes given below:

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

Direction (70): Read the following passage and answer the item that follow the passage. Your answer to this item should be based on the passage only.

Passage

The latest annual Global Gender Gap Index released by the World Economic Forum places India 17th from the bottom, with Afghanistan being the lowest, Indian women's labor force participation has plummeted in the last decade to a mere 21 percent. But unlike most nations in this dismal league, in India discrimination starts in the embryo with the misuse of ultrasound technology for sex-selective abortion. Patriarchy is largely instilled at home. Indian women's daily work is almost 10 times more than men on unpaid domestic chores as per the 2019 NSSO time-use survey. The new data from the first phase of the 2019-20 National Family Health Survey reveals that even before the pandemic, child marriages have marginally increased since the previous survey in 2015-16. Less than a third of Indian women earn an income and more than a quarter of married women report spousal violence.

70. What is the most logical and crucial message conveyed by the passage?
- (a) Female feticide is mainly responsible for the low female labor participation in India.
 - (b) The socio-economic structure in India needs to be more gender-neutral.
 - (c) The number of child marriages has increased during the pandemic.
 - (d) Indian women are ten times more economically productive than men.

71. 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 non-leap year.

72. Two statements S1 and S2 are given below followed by a question.
S1: India imports about 1.5 crore tons of crude oil every year.
S2: 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
73. If the product of p positive integers is p^n then their sum is
(a) a negative integer
(b) equal to p
(c) $p + 1/p$
(d) never less than p^2
74. A man rows ' k ' km upstream and back again downstream to the same point in H hours. The speed of rowing in still water is s km/hr and the rate of stream is r km/hr. Then
(a) $(s^2 - r^2) = 2sk/H$
(b) $(r + s) = kH/(r - s)$
(c) $rs = kH$
(d) Cannot be determined as data is insufficient
75. What will be the sum of all interior angles and all exterior angles in a regular hexagon?
(a) 480°
(b) 1440°
(c) 1080°
(d) 1260°
76. Abhishek bought a 1000 square feet of land at a price of certain rupees per square feet. After 10 years, he sold that piece of land at a rate of Rs.720 per square feet and he got a profit of 20%. What was the actual amount that he spent to purchase the 1000 square feet of land?
(a) Rs. 5,50,000
(b) Rs. 7,50,000
(c) Rs. 6,50,000
(d) Rs. 6,00,000
77. 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
78. 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

79. A vessel A contains two chemicals p and q mixed in the ratio 2:3. Another vessel B contains these two chemicals in the ratio of 4:7. Both A and B are filled to the brim and then emptied into a third vessel C. What is the ratio of chemicals p and q in vessel C?
- (a) 11:17
(b) 17:11
(c) 9:13
(d) Cannot be determined as data is insufficient

80. Consider the following data about students of two different houses of a school:

	<i>Average Height</i>	<i>Average Weight</i>
House A	5.6	62
House B	5.4	60
Overall	X	61.5

What is the value of X in the above table?

- (a) 5.55
(b) 5.85
(c) 6.20
(d) 5.17

--- END ---



PMTS(CS)-56 : 4th Test

- The test is based on the Civil Service Preliminary Examination
(General Studies: Paper-II)
- Date of Test: 3-2-2022
- Test Timing: 12:00noon to 02:00pm (2 hours)

THE TEST IS CONDUCTED THROUGH ONLINE

KEY

Q. No. : Key	Q. No. : Key	Q. No. : Key	Q. No. : Key	Q. No. : Key	Q. No. : Key
1. c	16. a	31. a	46. d	61. a	76. d
2. a	17. c	32. c	47. b	62. c	77. c
3. a	18. c	33. a	48. c	63. a	78. b
4. d	19. d	34. b	49. c	64. b	79. d
5. d	20. a	35. d	50. a	65. a	80. a
6. c	21. d	36. d	51. a	66. b	
7. c	22. b	37. c	52. d	67. b	
8. b	23. c	38. a	53. c	68. c	
9. b	24. b	39. b	54. a	69. a	
10. b	25. b	40. b	55. c	70. b	
11. b	26. b	41. c	56. b	71. a	
12. d	27. b	42. a	57. d	72. d	
13. b	28. b	43. a	58. d	73. d	
14. a	29. b	44. c	59. c	74. a	
15. b	30. a	45. c	60. d	75. c	