



**GENERAL KNOWLEDGE**

1. When is the World Polio Day observed?  
(A) 22nd October  
(B) 25th October  
(C) 23rd October  
(D) 24th October  
(E) None of these
2. On which date is the UN day observed every year?  
(A) 27th October  
(B) 24th October  
(C) 25th October  
(D) 26th October  
(E) None of these
3. A study published in the Astrophysical Journal provides new insights into the first growing steps of some of the biggest galaxies in the universe. Who is the author of this study?  
(A) Alan Guth  
(B) Adam Riess  
(C) Christina Williams  
(D) Vo Labbé  
(E) None of these
4. How many foreign satellites will be launched by 3 PSLVs' in November and December?  
(A) 11  
(B) 12  
(C) 14  
(D) 15  
(E) None of these
5. Which city hosted the 2019 summit of the Global Snow Leopard and Ecosystem Protection Program (GSLEP)?  
(A) New Delhi  
(B) Jaipur  
(C) Pune  
(D) Bangalore  
(E) None of these
6. What is the name of the national repository of startups launched by the Data Security Council of India?  
(A) TechSagar  
(B) TechIndia  
(C) TechBharat  
(D) TechWalk  
(E) None of these
7. Who among the following has been named ambassador for PM Modi's 'Bharat Ki Laxmi' initiative?  
(A) P V Sindhu  
(B) Geeta Phogat  
(C) Roshni Rajaram  
(D) Saina Nehwal



(E) None of these

8. Who is the new CEO of UIDAI?

- (A) Sandeep Jain
- (B) Pankaj Kumar
- (C) M R Mehta
- (D) Vaibhav Kapoor
- (E) None of these

9. Who among the following will lead the Indian delegation at 18th NAM Summit?

- (A) Sanjeev Kumar
- (B) M. Venkaiah Naidu
- (C) Ravi Jain
- (D) Harsh Pant
- (E) None of these

10. The Colonel Chewang Rinchen Setu was recently inaugurated by Defence Minister Rajnath Singh at which place?

- (A) Jammu
- (B) Ladakh
- (C) Nagaland
- (D) Shrinagar
- (E) None of these

11. Engineers of which university have developed a new Catalyst to Convert Carbon Dioxide into Natural Gas?

- (A) Purdue University
- (B) Massachusetts Institute of Technology.
- (C) Georgia Institute of Technology
- (D) Stanford University
- (E) None of these

12. What is the name of a cinema campaign launched by the World Food Programme in India?

- (A) Feed our generation
- (B) Feed our Future
- (C) No one sleeps Hungry
- (D) Each one Feed one
- (E) None of these

13. Who among the following inaugurated the Environment Flows and Assessment Workshop?

- (A) Rajnath Singh
- (B) Ram Nath Kovind
- (C) Gajendra Singh Shekhawat
- (D) Narendra Modi
- (E) None of these

14. What will be the theme of all Hunar-Haats organized in the year 2019?

- (A) Make in India
- (B) Shresth Bharat Shresth Hunar
- (C) Ek Bharat Shresth Bharat
- (D) Stand Up India



15. Goa Government along with KVIC have inaugurated a series of initiatives like spinning and weaving activities to generate employment in Goa. What does KVIC stand for?

- (A) The Khadi and Village Industries Commission
- (B) The Khadi and Village Initiative Commission
- (C) The Khadi Venture and Industries Centre
- (D) The Khadi Village Industries Centre
- (E) None of these

16. Which state will host the ninth India-US Defence Technologies and Trade Initiative (DTTI) group meeting?

- (A) New Delhi
- (B) Maharashtra
- (C) Gujarat
- (D) Andhra Pradesh
- (E) None of these

17. Who is the author of the book Mind Master: Winning Lessons from a Champion's Life”?

- (A) Viswanathan Anand
- (B) Ayodhya Prasad Gaur
- (C) Roshni Rajaram
- (D) Saina Nehwal
- (E) None of these

18. Which city of China is hosting the 2019 Military World Games?

- (A) Shanghai
- (B) Wuhan
- (C) Xian
- (D) Hangzhou
- (E) None of these

19. In which year India will host the 91st Interpol General Assembly?

- (A) 2021
- (B) 2022
- (C) 2023
- (D) 2024
- (E) None of these

20. What is the name of the Indian cyclist who won gold in the men's junior Keirin event at the 2019 Asian Track Cycling Championships?

- (A) James Singh
- (B) Ronaldo Singh
- (C) Ajay Kumar
- (D) Manu Kapoor
- (E) None of these

21. In which city is India Myanmar Naval Exercise “IMNEX-2019” being conducted?

- (A) Kandla
- (B) Kochi
- (C) Mangalore
- (D) Visakhapatnam
- (E) None of these



22. Who is the new head of the European Central Bank?  
(A) Angela Baret  
(B) Christine Lagarde  
(C) Jenny Lagarde  
(D) Dabby Jones  
(E) None of these
23. What is the name of the book written by N Chandrasekaran and Roopa Purushothaman which was recently launched by PM Narendra Modi?  
(A) Bridge India  
(B) Enlightenment Now  
(C) Bridgital Nation  
(D) Life 3.0  
(E) None of these
24. Which country has recently been removed from the FATF's Grey List?  
(A) Pakistan  
(B) Israel  
(C) Sri Lanka  
(D) Lebanon  
(E) None of these
25. Who has been awarded the Most Eminent Senior Citizen Award?  
(A) K Parasaran  
(B) Rajesh Kalra  
(C) Ratan Tata  
(D) Lal Krishna Adwani  
(E) None of these

### **VERBAL ABILITY**

**In each of the questions given below a sentence is given which is then divided into five parts out of which last part (E) given in bold is correct. There are errors in some parts of the sentence out of which only one part is correct. You must choose the part as your answer.**

- Q1. One of biggest (A)/problem we face at (B)/ our country is our(C)/ inability for (D)/**work in teams (E).**  
(a)One of biggest  
(b)problem we face at  
(c)our country is our  
(d)inability for  
(e)All are incorrect

**Read the following passage carefully and answer the questions given below it. Certain words are given in bold to help you locate them while answering some of the questions.**

In India, English is like one of those damp squib crackers that tend to explode in your face. Sometimes, the faces are literary, as in the exchange between Salman Rushdie and the renowned Marathi writer, Bhalchandra Nemade, in 2015. More often, the faces are political, such as that of Vice President Venkaiah Naidu, who was recently in the news for castigating English as a “disease” left behind by the British. Actually, Mr. Naidu was misrepresented by many. Even though he was speaking on the occasion of Hindi Divas at Vigyan Bhawan in New Delhi and he espoused the cause of Hindi as a national language, he had in mind other Indian languages too. Mr. Naidu reportedly said that “all Indian languages” are “vibrant” and

there are many other Indian languages which “are older and more vibrant than Hindi”. So, it was not, as his critics made it sound, a question of Hindi triumphalism. He was talking of Indian mother tongues in general, and excluding English from that category. To an extent, he had a point, though one can object that English is the mother tongue of at least some Anglo-Indians all over the country, and probably some other Indians in the far eastern States. Still, the fact remains that English is rarely a mother tongue in India, though it is often a first language.

For instance, it is definitely not my mother tongue, though my mother can speak it with some effort. However, it is by far my first language — partly because I studied all my school subjects, except Hindi and Sanskrit, in English, and partly because the petty political squabbles between Hindi and Urdu left me alienated from both. Apart from, perhaps, the question of aptitude. Incidentally, moving from the personal to the public, critics of English overlook the neutralising and nationally cohesive force that English exerts on linguistic rivalries within India — enabling equivalent commerce between, say, educated Tamil, Hindi and Bangla speakers without their having to face a potentially irksome Hindi monopoly in U.P., Tamil monopoly in Tamil Nadu, or Bangla monopoly in West Bengal. Take English out of that matrix and we will be faced with more divisive linguistic politics in the States.

Though many cosmopolitan critics took umbrage at Mr. Naidu’s dismissal of English, I agree with his call to pay more attention to our mother tongues such as Tamil, Bangla, Hindi and Marathi, spoken by millions. There is nothing wrong about such a call. Where Mr. Naidu, and many others, go wrong is by turning this call into an ‘either-or’ issue — either we pay attention to English or we pay attention to other Indian languages. This is not how the matter should stand. If English is a ‘disease’ left behind by the British, then it is an advantageous disease: it has enabled the educated Indian middle class to be internationally competitive without any extra effort by the Indian government. In the pure sciences, medicine, engineering, literature, history, and so on, the easy access that a few million privileged Indians have to English texts has been converted into useful capital.

Q2. According to the passage how has English become neutralizing and nationally cohesive force that exerts on linguistic rivalries within India?

- (a) English as a language enables a familiar environment and generates a cohesive force of nationalism among the people of the country.
- (b) Without English in the matrix, there will be more divisive linguistic politics in the states.
- (c) English as a language, for different educated people from different states like Tamil Nadu, U.P. and West Bengal enables a mean of commerce without their having to face a regional language.
- (d) Both (b) and (c)
- (e) None of these

Q3. According to the author, where ministers and linguistic rivals go wrong when it comes to take a call between English and their mother tongue?

- (a) Where ministers and many others go wrong is by turning this call as, either we pay attention to English or we pay attention to other Indian languages.
- (b) Ministers and many other linguistic rivals start discrimination between English and their mother tongue.
- (c) Ministers provoke people to adopt the Hindi language as their mother tongue.
- (d) Both (a) and (c)
- (e) None of these

Q4. On the occasion of Hindi Divas at Vigyan Bhawan in New Delhi how Mr. Naidu’s speech by many critics was given a name of a question of Hindi triumphalism?

- (a) It was misinterpreted that one can object that English is the mother tongue of at least some Anglo-Indians, and probably some other Indians in the far eastern States.

- (b) He was misinterpreted for talking of Indian mother tongues in general, and excluding English from that category.
- (c) He was misinterpreted for not having any other Indian language in mind while espousing the cause of Hindi as a national language.
- (d) Both (b) and (c)
- (e) None of these

Q5. Why has the author called English as an advantageous disease?

- (a) It has enabled the educated Indian middle class society to be internationally competitive without any extra effort by the Indian government.
- (b) It has enabled the easy access for Indians in the pure sciences, medicine, engineering, literature etc.
- (c) Take English out of that matrix and we will be faced with more divisive linguistic politics in the States.
- (d) Both (a) and (b)
- (e) None of these

**Read the following passage carefully and answer the questions given below it. Certain words are given in bold to help you locate them while answering some of the questions.**

It was a proud moment for every Indian to see India's proactive role in mitigating climate change being acknowledged and appreciated by the United Nations Secretary General, António Guterres, and Erik Solheim, the Executive Director of the UNEP (United Nations Environment Programme). Human beings and nature have a very special relationship. Mother Nature has nurtured and nourished us. The first civilisations were established on the banks of rivers. Societies that live in harmony with nature flourish and prosper. Today, human society stands at an important crossroads. The path that we take hereon will not only determine our well-being but also that of the generations who will inhabit our planet after us. The imbalances between our greed and necessities have led to grave ecological imbalances. We can either accept this, go ahead with things as if it is business as usual, or we can take corrective actions. Three things will determine how we as a society can bring a positive change.

The first is internal consciousness. For that, there is no better place to look than our glorious past. Respect for nature is at the core of India's traditions. The Atharvaveda contains the Prithvi Sukta, which contains unparalleled knowledge about nature and the environment. It is beautifully written in Atharvaveda: Salutations to Mother Earth. In Her is woven together Ocean and River Waters; in Her is contained Food which She manifests when ploughed; In Her indeed is alive all Lives; May She bestow us with that Life. Mahatma Gandhi wrote extensively on the environment and even practised a lifestyle where compassion towards the environment was essential. He propounded the Doctrine of Trusteeship, which places the onus on us, the present generation, to ensure that our coming generations inherit a clean planet. He called for sustainable consumption so that the world does not face a resource crunch. Leading lifestyles that are harmonious and sustainable are a part of our ethos. Once we realise how we are flag bearers of a rich tradition, it will automatically have a positive impact on our actions.

The second aspect is public awareness. We need to talk, write, debate, discuss and deliberate as much as possible on questions relating to the environment. At the same time, it is vital to encourage research and innovation on subjects relating to the environment. This is when more people will know about the pressing challenges of our times and ways to mitigate them. When we as a society are aware of our strong links with environmental conservation and talk about it regularly, we will automatically be proactive in working towards a sustainable environment. That is why, I will put proactiveness as the third facet of bringing a positive change. We see this proactiveness in the Swachh Bharat Mission, which is directly linked to a sustainable future. These are landmark efforts in the quest of reducing the strain on our natural surroundings. We see this proactiveness in the success of the Ujjwala Yojana, which has significantly reduced indoor air pollution due to unhealthy cooking practices that were causing respiratory diseases.

India is moving at a quick pace in cleaning its rivers. The Ganga, which is India's lifeline, had become polluted in several parts. The Namami Gange Mission is changing this historical wrong. Emphasis is being given to proper treatment of sewage. At the core of our urban development initiatives such as AMRUT and the Smart Cities Mission is the need to balance urban growth with environmental care. Our country is devoting unparalleled attention to new and renewable sources of energy. Over the last four years, this sector has become more accessible and affordable. The Ujala Yojana has led to the distribution of nearly 31 crore LED bulbs. The costs of LED bulbs have reduced and so have the electricity bills and the CO<sub>2</sub> emissions.

While the world is talking about climate change, the call for climate justice has also reverberated from India. Climate justice is about safeguarding the rights and interests of the poor and marginalised sections of society, who are often the biggest sufferers from the menace of climate change. The world needs to shift to a paradigm of environmental philosophy that is anchored in environmental consciousness rather than merely in government regulations. I would like to compliment all those individuals and organisations who are working assiduously in this direction. They have become the harbingers of a monumental change in our society. I assure them all possible support from the Government in their pursuits. Together, we will create a clean environment that will be the cornerstone of human empowerment!

Q6. According to the passage how can we ensure a path that will determine the well-being of the generations who will inhabit our planet after us?

- (a) Sustainable consumption of the natural resources so that our upcoming generation doesn't face a resource crunch
- (b) By maintaining a balance between our greed and necessities so as to prevent the grave ecological imbalance
- (c) By establishing more civilisations on the banks of rivers
- (d) Both (a) and (b)
- (e) None of these

Q7. According to the passage what is the meaning of "Doctrine of Trusteeship"?

- (a) It is the responsibility of the present generation to ensure that our coming generations inherit a clean planet.
- (b) It provides a means by which the wealthy people would be the trustees of sustainable consumption so that the world does not face a resource crunch.
- (c) A means by which the wealthy people would be the trustees of trusts that looked after the welfare of the people in general.
- (d) Both (a) and (c)
- (e) None of these

Q8. According to the author how can people be made proactive in working towards a sustainable environment?

- (a) Through talking, writing, debating, discussing as much as possible, on questions relating to the environment.
- (b) By encouraging the research and innovation on subjects relating to the environment
- (c) Making people aware of their strong links with environmental conservation and talking about it regularly
- (d) Both (b) and (c)
- (e) All (a), (b) and (c)

Q9. How the author has illustrated the meaning of 'climate justice' contextually as mentioned in the paragraph?

- (a) Climate justice is a term used for framing global warming as an ethical and political issue, rather than one that is purely environmental or physical in nature.



- (b) Climate justice is about safeguarding the rights and interests of the natural resources which are often the biggest sufferers from the menace of climate change.
- (c) The essence of climate justice is the understanding that the urgent action needed to prevent climate change must be based on community-led solutions and the well-being of local communities, Indigenous Peoples and the global poor.
- (d) Both (b) and (c)
- (e) None of these

**Read the following passage and answer the following questions. Some words are highlighted to help you answer some of the questions.**

Q10. The Delhi Commission for Women (DCW) on Wednesday \_\_\_\_\_ with the Delhi State Legal Services Authority (DSLISA) to set up a \_\_\_\_\_ clinic to provide free legal aid to women who approach the commission.

- (a) Began, Kept
- (b) Readily, Brunt
- (c) Partnered, Legal
- (d) Defence, Wrong
- (e) None of these.

**Read the following passage and answer the following questions.**

Describing India-China summits as marking a “new era” in bilateral relations follows a predictable pattern, and both sides are guilty. Rarely have such summits deserved these high sounding labels. There are exceptions. The Vajpayee-Hu Jintao summit in 2003 \_\_\_\_\_ the Special Representatives mechanism to seek a political settlement to the boundary issue. China acknowledged Sikkim as part of the Indian Union. The Manmohan Singh-Wen Jiabao summit in 2005 had more ‘significant outcomes’. India and China were able to conclude the Political Parameters and Guiding Principles for the Settlement of the India-China Boundary Question.

This document is important in that it conceded two very important principles from the Indian perspective. One, it accepted that obscure geographical features would be a basis for determining the border. For India this means the Himalayan watershed. Two, there was an acknowledgement that interests of “settled populations” must be taken into account while arriving at a border settlement. This was a code phrase for the status of Tawang which China claims. During Chinese Premier Wen Jiabao’s visit to India in April 2005, the Chinese side shared official maps showing Sikkim in the same colour wash as the rest of India.

Q11. According to the passage, what does the italicized part ‘significant outcomes’ refer to?

- (a) The relationship between India and China was followed by a predictable pattern.
- (b) Both the countries agreed to certain terms on the basis of Vajpayee-Hu Jintao summit held in the year 2003.
- (c) Increased significance of the bilateral relationship between the two countries in order to settle India-China border issue.
- (d) Both (a) and (b)
- (e) None of these

Q12. Which of the following words can fill in the blank to make it contextually meaningful and grammatically correct

- (a) Established
- (b) Elaborative
- (c) Estranged
- (d) Ergonomic
- (e) Instantaneous



Q13. Which of the following words, opposite of the word given in bold, should replace the given word in bold in the passage?

- (a) Behest
- (b) Prominent
- (c) Lethargy
- (d) Brazen
- (e) Abrogate

Q14. Which of the following is the best way of writing the line given italics in the paragraph, without changing its intended meaning?

- (a) The document agreed over two extremely crucial principles from the Indian viewpoint.
- (b) The Chinese point of view denied arriving at border settlement.
- (c) The summit could successfully bring necessary outcomes beneficial for both nations.
- (d) Both (b) and (a)
- (e) None of these

**Read the following passage carefully and answer the questions given below it. Certain words are given in bold to help you locate them while answering some of the questions.**

After having been in denial mode for months, the government with its substantive cut in corporate tax, publicly admitted, through belatedly, what was widely known and experienced about the sluggish economy. The audacious tax cut, that was effected last month, was apparently done in the hope that it would kick-start the sagging economy. By bringing down corporate tax to the global level, the government has undoubtedly sent a strong and positive message which has cheered the stock market and hit the media headlines globally. Though the immediate tax bonanza would boost the bottom lines of only Indian corporates, its message to foreign investors too was positive. Against the backdrop of China losing its sheen as a preferred global investment destination, the prospects of attracting sizeable foreign capital investment in the Indian economy are indeed brighter than ever before especially in the context of the trade war between China and the United States.

Q15. What do you understand by ‘sluggish economy’ as mentioned in the given passage?

- (a) A state of an economy in which growth is slow, flat or declining.
- (b) Growth which is unfavourable for government.
- (c) Slow proceedings of economic reforms.
- (d) Both (b) and (c)
- (e) None of these

Q16. What was the intention of government behind bringing down corporate tax to global level?

- (a) To be in media limelight at global levels
- (b) To applaud stock market
- (c) Cutting Tax to global level with high hopes.
- (d) Both (a) and (b)
- (e) None of these

Q17. How ‘immediate tax bonanza’ is beneficial for Indian Economy?

- (a) Attracting foreign capital investment
- (b) Boosting bottom lines of Indian corporates
- (c) Dealing with the trade war between India and China
- (d) Both (a) and (b)
- (e) None of these

Q18. In each of the questions, five statements have been given. Among the five statements, four of them form a coherent paragraph. Identify the statement which fails to become the part of a coherent paragraph.

- (a) Only 12 adulterated samples were found to be unsafe for consumption.
- (b) The “most comprehensive and representative” milk safety and quality survey has demolished the perception of large-scale milk adulteration in India.
- (c) The survey by an independent agency at the behest of the Food Safety and Standards Authority of India (FSSAI) found 93% of the samples were absolutely safe.
- (d) At 227, aflatoxin M1 was more widely present in processed milk samples than in raw milk (141).
- (e) It was undertaken on 6,432 samples collected last year between May and October, and picked from over 1,100 town/cities with over 50,000 populations.

**In the following question a part of the sentence is given in bold, it is then followed by three sentences which try to explain the meaning of the phrase given in bold. Choose the best set of alternatives from the five options given below each question which explains the meaning of the phrase correctly without altering the meaning of the sentence given as question.**

Q19. Tesla and SpaceX CEO, Elon Musk, warned in 2016 that, if artificial intelligence is left unregulated, humans could devolve into the equivalent of house cats next to increasingly powerful supercomputers.

- (I) In 2016, the CEO of Tesla and SpaceX, Elon Musk said that if artificial intelligence is not controlled properly, the very powerful supercomputers will mutate humans into house cats.
- (II) Elon Musk, CEO of Tesla and SpaceX, alerted in 2016 that artificial intelligence will be left unregulated and humans will transform into house cats before extremely powerful supercomputers.
- (III) In 2016, Elon Musk, CEO of Tesla and SpaceX, cautioned that if artificial intelligence will not be properly regulated, in future, the human condition will deteriorate into something similar to domesticated pets in front of increasingly powerful computers.

- (a) Only (II) is correct
- (b) Only (III) is correct
- (c) Both (II) and (III) are correct
- (d) Both (I) and (III) are correct
- (e) All are correct

**In each of the questions given below, a word has been highlighted. Each statement is then followed by five options with possible replacements of the highlighted word. Choose the phrase which successfully replaces the highlighted word without altering the grammatical structure and meaning of the statement.**

Q20. Provocative CEO Matt Barrie says Australia’s education is a **panicky** system.

- (I) Basket case
- (II) Down to wire
- (III) Early bird
- (a) Only (II)
- (b) Only (III)
- (c) Only (I)
- (d) Only (II) and (III)
- (e) All (I) (II) and (III)

**In the following questions two columns are given containing three sentences/phrases each. In first column, sentences/phrases are A, B and C and in the second column the sentences/phrases are D, E and F. A sentence/phrase from the first column may or may not connect with another sentence/phrase from the second column to make a grammatically and contextually correct sentence. Each question has five options, four of which display the sequence(s) in which the sentences/phrases**



can be joined to form a grammatically and contextually correct sentence. If none of the options given forms a correct sentence after combination, mark (e), i.e. “None of these” as your answer.

Q21.

Column (1):

- (A) The Panchkula constituency is witnessing a
- (B) The EOW argued that the SFIO was only given
- (C) The party also asked the government to lift the

Column (2):

- (D) it was a direct contest between the ruling BJP and the Congress
- (E) they mandated to investigate Religare Enterprises Ltd (REL) and Fortis Healthcare
- (F) putting limits on withdrawal imposed by the RBI with immediate effect.

- (a) A-E
- (b) B-D
- (c) C-F
- (d) All of the above
- (e) None of these

**In the following question a part of the sentence is given in bold, it is then followed by four sentences which try to explain the meaning of the idiom/phrase given in bold. Choose the alternative from the four given below each question which explains the meaning of the phrase correctly without altering the meaning of the sentence given as question. If none of the sentence explains the meaning of the highlighted phrase, choose option (e) i.e., “none of these” as your answer choice.**

Q22. In December 1999, like a bolt from the blue came the hijacking of the Indian airliner from Kathmandu to Kandahar which lasted for a week.

- (a) In December 1999, the fatal incident of hijacking of the Indian airliner from Kathmandu to Kandahar happened which lasted for a week
- (b) In December 1999, the formidable episode of hijacking of the Indian airliner from Kathmandu to Kandahar occurred which lasted for a week.
- (c) In December 1999, a frightening event occurred, of hijacking the Indian airliner from Kathmandu to Kandahar which lasted for a week.
- (d) In December 1999, a sudden shocking event occurred of hijacking the Indian airliner from Kathmandu to Kandahar which lasted for a week.
- (e) None of these

Q23. It's been a long journey for this dyed-in-the-wool entrepreneur who holds her mother in high regard for being a pillar of support.

- (a) It's been a long journey for this pretentious entrepreneur who holds her mother in high regard for being a pillar of support.
- (b) It's been a long journey for this conspicuous entrepreneur who holds her mother in high regard for being a pillar of support.
- (c) It's been a long journey for this inveterate entrepreneur who holds her mother in high regard for being a pillar of support.
- (d) It's been a long journey for this revolutionary entrepreneur who holds her mother in high regard for being a pillar of support.
- (e) None of these

**Choose the word/group of words which is most SIMILAR in meaning to the word**

Q24. ACUITY

- (a) Quickness
- (b) Ignorance

- (c) Stupidity
- (d) Ineptness
- (e) None of these

**Choose the word/group of words which is most OPPOSITE in meaning to the word**

Q25. Manoeuvre

- (a) Procedure
- (b) cessation
- (c) manipulation
- (d) both a and c
- (e) none of these

### **LOGICAL REASONING**

Q1. As a part of their sales promotion measures, 'Star Sports', a company which produces and sells tennis rackets and balls, wishes to enter into a contract with a leading tennis star for five years for endorsing their products. The move is not a wise one, as no tennis star has ever played for more than three years in the international circuit. Which of the following is an assumption on which the above assertion is based?

- (a) Tennis players, after their retirement from the games, take up assignments such as coaching etc related to tennis.
- (b) When new stars come up in tennis, old stars lose their popularity.
- (c) The company would not have been able to reap the full benefit of the endorsements in the first three years.
- (d) People stop admiring a sports star after they stop playing in international matches.
- (e) None of these

**Read the following information carefully and answer the questions given below:**

Seven books P, Q, R, S, T, U and V are published in same month of the different years- 2010, 2016, 2012, 2001, 2005, 2014 and 2019 but not necessarily in the same order.

Book Q published on an odd numbered year. Only three books published in between Q and U. Book R published 4 years after the year in which S published. V published on the year which is completely divisible by 3. T published on an even numbered year before U. P published one of the years before Q.

Q2. How many books published in between S and V?

- (a) None
- (b) Two
- (c) One
- (d) Three
- (e) More than three

Q3. Book P published on which of the following year?

- (a) 2005
- (b) 2012
- (c) 2001
- (d) 2019
- (e) 2016

Q4. Which of the following book was published before R and after S?

- (a) T
- (b) P
- (c) Q

- (d) U
- (e) V

**In these questions some statements are followed by some conclusions numbered. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the given statements disregarding commonly known facts.**

Q5.

Statements:

All health are test.

No test is a quiz.

Only a few quiz are exam.

Conclusions:

I. All health being exam is a possibility.

II. No health is a quiz.

- (a) Only I follows.
- (b) Only II follows.
- (c) Both I and II follow.
- (d) Either I or II follows.
- (e) Neither I nor II follows.

**Study the information and answer the following questions:**

In a certain code language

“Party Said This Might” is coded as ” B#6 H@5 G@5 G#6 “

“Bill Has Been Passed” is coded as ” O@5 H#4 M@5 H@7 “

“More And Six Girl” is coded as ” I@5 M#4 C#4 I@5 “

Q6. What is the code for ‘Supported’?

- (a) G#10
- (b) H#10
- (c) G#1
- (d) G#11
- (e) None of these

Q7. What is the code for ‘Asking’?

- (a) H@17
- (b) K@7
- (c) H#7
- (d) H@7
- (e) None of these

Q8. What is the code for ‘Select’?

- (a) G@17
- (b) L@7
- (c) G@7
- (d) G#7
- (e) None of these

**Study the given information and answer the following question.**

Point B is 10m west of point Q. Point R is 5m north of H. Point F is 7m east of point H. Point D is 12m of north of Point B. Point Q is 7m south of point F. Point G is 13m south west of point D and west of point H. Point I is 5m south of point D.

Q9. What is the shortest distance between G and I?

- (a) 12m
- (b) 5m
- (c) 10m
- (d) 3m
- (e) None of these

**Each of these questions is based on the following information:**

A, B, C, D, E and F are six family members. There are three generation in a family and only three female members in a family. E is daughter in law of F, who has only one daughter. B is mother of D. B is not from second generation. A is grandchild of F. C is a female but is not the mother of A. F is married to B.

Q10. How is A related to C?

- (a) Son
- (b) Daughter
- (c) Nephew
- (d) Niece
- (e) None of these

Q11. Who among the following is daughter of B?

- (a) E
- (b) A
- (c) D
- (d) C
- (e) None of these

Q12. How E is related to B?

- (a) Daughter-in-law
- (b) Daughter
- (c) Mother
- (d) Sister-in-law
- (e) none of these

Q13. Statement: Prime Minister Narendra Modi launched three mega flagship schemes aimed at transforming Urban India, including the much talked about Smart Cities proposal, with a whopping Rs. 4 lakh crore kitty having been lined up for the projects. He also unveiled logo of the housing mission, which has his personal touch in the finalization of its design.

Speaking at the event, Modi said, “the decision to make cities smart will be taken not by governments but by the people of the city, the local administration. Let there be competition between cities in development so that smart cities come up.”

Which of the following will be an effect of the initiative taken by the government?

- (a) Ensuring water supply to each household, sewer connections, sanitation and solid waste management in rural and urban governance would be the focus under the scheme.
- (b) Quality of life will improve in rural and urban areas.

- (c) Provision of roads and public transportation beside implementation of reforms in urban governance would be the focus under the scheme.
- (d) Millions of jobs will be created and scarcity of houses will be removed in urban and rural areas.
- (e) All of the above.

Q14. Statement: By fixing a deadline of one year from the date of framing of charges for the completion of trial involving the members of parliament and legislative assemblies, the Supreme Court has once again intervened effectively to give some credibility to the idea of cleaning the polity. It gave a jolt to the political class by striking down a provision that protected sitting legislators from immediate disqualification on conviction.

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

- (a) To implement the guidelines, the government must set up more speedy trial courts, which will help them deliver justice in time.
- (b) The steps taken by the apex court will help to choose the best people from their constituency and make the Indian democratic system free from criminalization.
- (c) This will help in reducing the scourge of criminalization of politics.
- (d) The latest order will help in addressing this problem by empowering the trial court to refuse routine adjournments.
- (e) None of these

**A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.**

Input: soul 63 bag 51 92 66 dancer light 86 read

Step I: bag soul 63 51 66 dancer light 86 read 92

Step II: dancer bag soul 63 51 66 light read 92 86

Step III: light dancer bag soul 63 51 read 92 86 66

Step IV: read light dancer bag soul 51 92 86 66 63

Step V: soul read light dancer bag 92 86 66 63 51

Step VI: 36 6 9 6 1 2 5 3 9 6

And step V is the last step of the arrangement. As per the above rule followed in the above steps, find out in each of the following questions the appropriate step for the input given below;

**Input: 41 do provoke 21 79 mouth cat loud 29 apple 83 44**

Q15. How many steps would be needed to complete the arrangement?

- (a) IV
- (b) V
- (c) VI
- (d) VII
- (e) None of these

Q16. Which Step number would be the following output?

loud do cat apple provoke 21 mouth 29 83 79 44 41

- (a) III
- (b) II
- (c) VII
- (d) IV
- (e) There will be no such step



Q17. Which of the following would be the step I?

- (a) apple 41 do cat provoke 21 mouth loud 79 29 83 44
- (b) apple cat 21 provoke do 41 mouth loud 29 83 44 79
- (c) apple 41 do provoke 21 44 mouth cat loud 79 83 29
- (d) apple 41 do provoke 44 21 cat mouth loud 29 79 83
- None of these

**Study the following alphanumeric series carefully and answer the questions given below:**

**9 U 1 Q \* 7 B \$ \* G & A N # E 3 V @ 6 R 6 X 3 2 D 8 % W 2 4**

Q18. How many such numbers are there which is preceded by symbols and followed by alphabets?

- (a) Two
- (b) Four
- (c) Three
- (d) One
- (e) None

Q19. Which of the following element is 21th from right end of the series?

- (a) &
- (b) \*
- (c) G
- (d) N
- (e) None of these

**Study the information carefully and answer the questions given below.**

Eight persons i.e. P, Q, R, S, T, U, V and W are sitting in a square table in such a way that the Four persons sit at four corner and face outside and four persons who sit at middle of the side of square table face inside. S sits third to the right of P. T sits second to left of S. W sits second to left of R. Only one person sits between Q and V. W face outside. The person who faces Q sits third to the right of U.

Q20. Who among the following sits immediate left of U?

- (a) Q
- (b) S
- (c) T
- (d) V
- (e) None of these

Q21. How many persons sit between W and Q, when counted to the right of Q?

- (a) Two
- (b) Three
- (c) More than Three
- (d) One
- (e) None

Q22. Who among the following sits third to the left of R?

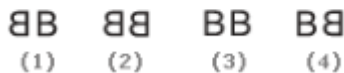
- (a) Q
- (b) T
- (c) W
- (d) P
- (e) None of these

Q23. Look carefully at the sequence of symbols to find the pattern. Select correct pattern.



- (a) 1
- (b) 2
- (c) 3
- (d) 4
- (e) None of these

Q24. Look carefully at the sequence of symbols to find the pattern. Select correct pattern.



- (a) 1
- (b) 2
- (c) 3
- (d) 4
- (e) None of these

Q24. Look carefully at the sequence of symbols to find the pattern. Select correct pattern.



- (a) 1
- (b) 2
- (c) 3
- (d) 4
- (e) None of these

### QUANTITATIVE ABILITY

Q1. In the following series two series are given, while second series has blanks, P & Q. If the both series follow same logic, then find the value come in the place of two given blanks P, & Q of second series.

18, 32, 90, 352, 1750, 10488

P, \_\_\_\_, 30, \_\_\_\_, \_\_\_\_, Q,

- (a) 12 & 3228
- (b) 16 & 3128
- (c) 18 & 3248
- (d) 24 & 3296
- (e) 8 & 3288

Q2. There are 40 questions in a multiple choice test with 4 options, out of which only one option is correct. In how many ways can one answer all the questions such that alternate answers are wrong?

- (a) 341
- (b) 340
- (c)  $4 \times 320$
- (d)  $2 \times 320$
- (e) 320

Q3. Prabhat tossed a biased coin in which tail appears on 75% of the occasions. In a game involving this coin, Prabhat is paid Rs 40 per tail and he has to pay Rs 48 for a head in the long run per game. Then, find the average amount made by Prabhat if he lost on 20 occasions?

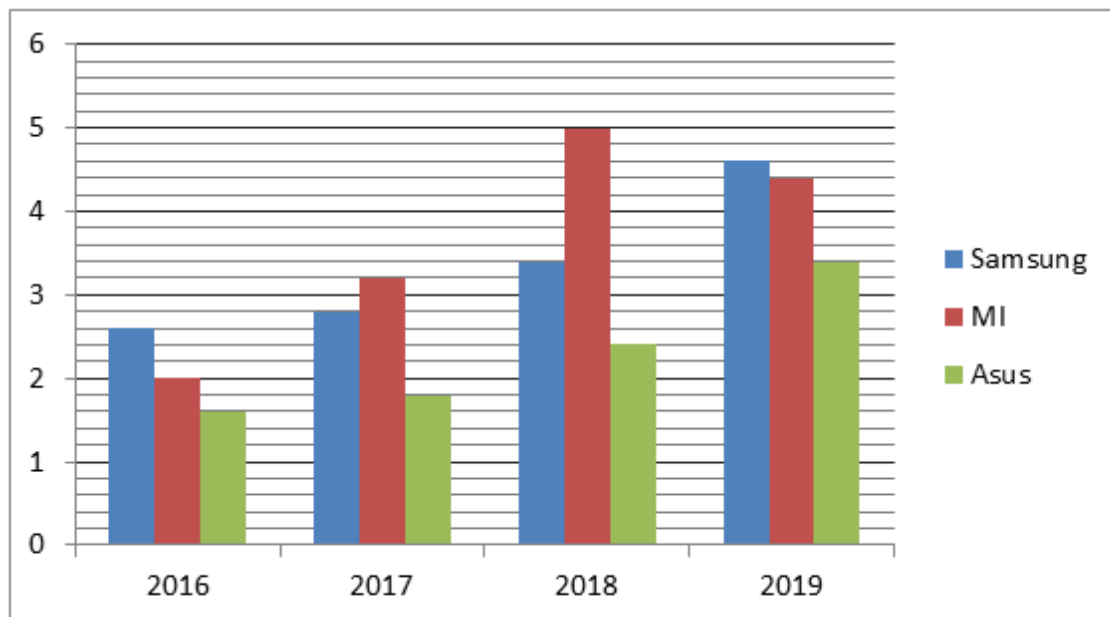
- (a) Rs 15
- (b) Profit of Rs 18
- (c) loss of Rs 20
- (d) profit of Rs 20
- (e) profit of Rs 16

Q4. Two mixtures equal in quantity contain wine, water and alcohol in the ratio of 6 : 5 : 3 and 3 : 5 : 6 respectively. From the first mixture, 20% of wine, 25% of water and 40% of alcohol is taken out and from the second mixtures same percentage of three constituents is taken out. Now the remaining mixtures are added together. Find the respective ratio of wine, water and alcohol in the new mixture?

- (a) 36 : 18 : 24
- (b) 25 : 18 : 36
- (c) 18 : 24 : 25
- (d) 24 : 25 : 18
- (e) None of these

**Study the following bar graph shows the different unit of mobiles sold by different companies in different years. Study the graph carefully and answer the following questions.**

**NOTE : Sales of each brand are in thousands.**





Q5. Total mobiles sold in year 2016 are what percent of total mobiles sold in 2019?

- (a) 25%
- (b) 75%
- (c) 50%
- (d) 40%
- (e) 60%

Q6. what is ratio of mobiles sold by Samsung in 2016, 2017 and 2018 together to the mobiles sold by MI in 2017, 2018 and 2019 together.

- (a) 63:44
- (b) 44:63
- (c) 44:47
- (d) 47:63
- (e) 51:80

Q7. A certain number of two digits is 5 times the sum of its digits. If 9 is added to it, then the digits are reversed. Then find the sum of digits?

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

Q8. If 33% of the sum of two number is equal to 67% of difference of the same numbers. If sum of same two number equal to 469. Then find out the smaller number?

- (a) 113
- (b) 108
- (c) 111
- (d) 119
- (e) 117

Q9. A, B and C entered into a partnership in a business. A got  $\frac{1}{7}$  th of total profit. B and C distributed the remaining profit equally. If A got Rs.1750 less than C then find out the total profit?

- (a) Rs. 6225
- (b) Rs. 6125
- (c) Rs. 5820
- (d) Rs. 6500
- (e) Rs. 5600

Q10. Krishna covers a certain distance by train at 25 km/hr. and the equal distance on foot at 4 km/hr. If the time taken by him for the whole journey be 5 hrs and 48 minutes, how much total distance did he cover ?

- (a) 30 km
- (b) 40 km
- (c) 25 km
- (d) 35 km
- (e) None of these

Q11. A and B together can complete a work in 10 days, B and C together can complete the same work in 12 days and A and C together can complete that work in 15 days. In how many days can A complete the same work alone?

- (a) 30 days

- (b) 24 days
- (c) 40 days
- (d) 33 days
- (e) 25 days

Q12. A can do a piece of work in 30 days and B can do in 40 days. They began the work together but 10 days before the completion of the work A leaves . The work was completed in ?

- (a) 20 days
- (b) 22 days
- (c)  $160/7$  days
- (d)  $170/7$  days
- (e) 25 days

Q13. There are some Munch chocolate, some Dairy milk chocolate and Kit Kat chocolate in a box. The probability of selecting one Munch chocolate out of box is  $3/10$  and the probability of selecting one Kit Kat chocolate out of box is  $2/5$ . The number of Dairy milk chocolate in box is 6. Find probability of selecting three chocolate from the box such that at most two chocolate are same?

- (a)  $\frac{64}{85}$
- (b)  $\frac{64}{95}$
- (c)  $\frac{42}{85}$
- (d)  $\frac{87}{95}$
- (e)  $\frac{67}{85}$

Q14. Speed of boat in downstream is 24 km/hr while speed of boat in still water is 300% more than speed of stream. Find in total 6 hours, what distance can be covered by boatman if he covers half distance in downstream and half in upstream?

- (a) 92km
- (b) 70 km
- (c) 24 km
- (d) 96 km
- (e) 108 km

Q15. A man deposited his savings in 3 different schemes X, Y and Z and they offer SI at 10% per annum, SI at 6% per half year and CI at 10% per annum respectively. At the end of two years, total interest obtained by man from all the three schemes is Rs. 2580. Find initially total amount deposited by man, if amount invested in scheme Z is twice of each of scheme X and scheme Y and amount invested in both X and Y are same(in Rs.)?

- (a) 3000
- (b) 6000
- (c) 9000
- (d) 12000
- (e) 8000

Q16. If length, breadth and height of cuboid increased by 10%, 20% and 30% respectively. Find out percentage increment in volume of cuboid?

- (a) 60.2%
- (b) 66.1%



- (c) 70.7%
- (d) 71.6%
- (e) 77%

Q17. The ratio of the radius and height of cone is 3:4 and its volume is 12936 cu.cm. Find out its slant height.

- (a) 30 cm
- (b) 33 cm
- (c) 35 cm
- (d) 42 cm
- (e) 27 cm

Q18. If the Total surface Area of cube is 216 sq.cm. then find out its volume?

- (a) 216 cu.cm
- (b) 198 cu.cm
- (c) 343 cu.cm
- (d) 195 cu.cm
- (e) 170 cu.cm

Q19. find out area of trapezium, whose parallel sides are 13m and 7m and perpendicular distance between them is 17m?

- (a) 160 sq.m.
- (b) 170 sq.m.
- (c) 155 sq.m.
- (d) 171 sq.m.
- (e) 188 sq.m.

Q20. The ratio of curved surface area and total surface area of cylinder is 5:12 then find out its height if volume of cylinder is 20790 cu.m.

- (a) 15m
- (b) 17m
- (c) 19m
- (d) 13m
- (e) 16m

Q21. find the area of Right angle triangle whose perimeter is 60cm and ratio of its base and perpendicular is 3:4.

- (a) 110 sq.cm.
- (b) 130 sq.cm.
- (c) 150 sq.cm.
- (d) 170 sq.cm.
- (e) 166 sq.cm.

Q22. A rectangular park is 150m long and 70m wide. A path 5m wide is constructed outside the park. Find out the area of path.

- (a) 2100 sq.m.
- (b) 2200 sq.m.
- (c) 2250 sq.m.
- (d) 2300 sq.m.
- (e) 2400 sq.m.



Q23. A,B,C and D are four towns any three of which are non-collinear. Then the number of ways to construct three roads each joining

a pair of towns so that the roads do not form a triangle is (1995)

- (a) 7
- (b) 8
- (c) 9
- (d) More than 9
- (e) Less than 7

Q24. A man has nine friends – four boys and five girls. In how many ways can he invite them, if there have to be exactly three girls in the invitees? (1996)

- (a) 320
- (b) 160
- (c) 80
- (d) 200
- (e) None of these

Q25. In how many ways can the eight directors, the vice-chairman and the chairman of a firm be seated at a round-table, if the chairman has to sit between the vice-chairman and the director? (1997)

- (a)  $9! \times 2$
- (b)  $2 \times 8!$
- (c)  $2 \times 7!$
- (d) None of these
- (e) None of these



**SOLUTION****GENERAL KNOWLEDGE**

## 1. Answer D

World Polio Day is celebrated yearly on 24 October. The aim behind celebrating this day is to raise awareness about the polio disease and efforts for eradication.

## 2. Answer B

Every Year October 24 is observed as UN Day by its member nations. The day was first celebrated in 1948 and marks the entry into force of the UN Charter in 1945.

## 3. Answer C

A study published in the Astrophysical Journal provides new insights into the first growing steps of some of the biggest galaxies in the universe. Lead author of the study Christina Williams noticed a faint light blob in new sensitive observations. He used the Atacama Large Millimeter Array, or ALMA, a collection of 66 radio telescopes high in the Chilean mountains to study this faint light blob. Vo Labbé, of the Swinburne University of Technology, Melbourne, Australia is the co-author of the study.

## 4. Answer C

The PSLV (Polar Satellite Launch Vehicle) of the Indian Space Research Organisation (ISRO) will launch 14 small spacecraft of four international customers namely Analytical Space, Spire, iQPS and Kleos Space. The ISRO will have one of its earth observation satellites as the larger primary payload on each of the three PSLV flights.

## 5. Answer A

Prakash Javadekar, Union minister launched the first national protocol to enumerate the snow leopard population in India. The launch was made on the occasion of 2019 International Snow Leopard Day (ISLD) at the 4th steering committee meeting of the Global Snow Leopard and Ecosystem Protection Program (GSLEP) in Delhi.

## 6. Answer A

The Data Security Council of India (DSCI) along with National Cyber Security Coordinator's office has launched "TechSagar", a national repository 'to facilitate new opportunities for businesses and academia to collaborate, connect and innovate, in future.

## 7. Answer A

shuttler PV Sindhu and Actor Deepika Padukone have been named the ambassadors for Prime Minister Narendra Modi's new initiative called 'Bharat Ki Laxmi' movement. The aim of the initiative is to bring commendable work done by women across the nation to light ahead of the Diwali festival.

## 8. Answer B

Pankaj Kumar, a 1987-batch IAS officer, has been appointed as the new CEO of the Unique Identification Authority of India (UIDAI). The UIDAI is a statutory authority under the provisions of the Aadhaar Act of 2016 under the Ministry of Electronics and Information Technology (Meity) with the mandate to issue UID or Aadhaar to all residents of India to eliminate duplicate and fake identities.

## 9. Answer B

Vice President, M. Venkaiah Naidu will lead the Indian delegation at 18th Summit of Heads of State and Government of Non-Aligned Movement (NAM). The summit will be held at Baku, Azerbaijan on 25 to 26 October 2019 and will be preceded by Senior Officials Meeting and Ministerial Meeting.

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## 10. Answer B

Colonel Chewang Rinchen Setu is 400 meters long bridge located between Karakoram and Chang Chenmo mountain ranges in Ladakh. It has been built at an altitude of about 15,000 feet using micro piling technology.

## 11. Answer D

A new catalyst has been developed by the Engineers at Stanford University which will help to transform carbon dioxide from cars into fuels like propane or natural gas. Scientists developed this new catalyst by combining ruthenium and iron oxide nanoparticles. The ruthenium nuggets sit in the core of the catalyst surrounded by an outer sheath of iron. This arrangement activates the hydrocarbon formation from Carbon-Dioxide.

## 12. Answer B

A cinema ad campaign 'Feed Our Future' against hunger and malnutrition has been launched by the United Nations World Food Programme in India. WFP has launched this in collaboration with India's largest in-cinema advertising platform -UFO Moviez and SAWA -the Global Cinema Advertising Association. Showbox Music TV Channel, LF (Living Foodz TV Channel) and Red FM 93.5 are also associated with this campaign. It will help drive the message of zero hunger deeper into the hearts & minds of India.

## 13. Answer C

Gajendra Singh Shekhawat, Union Minister for Jal Shakti inaugurated the International Workshop on Environment Flows.

## 14. Answer C

Hunar Haat is organized under Upgrading the Skills and Training in Traditional Arts/Crafts for Development (USTTAD) scheme. It is an initiative of the Ministry of Union Minority Affairs. The purpose of this Haat is to provide employment opportunities to traditional culinary experts, artisans and craftsmen. It is an exhibition of handicrafts and traditional products made by artisans from the Minority communities. "Ek Bharat Shresth Bharat" will be the theme of all the events to be organized for the year 2019.

## 15. Answer A

Goa Government along with The Khadi and Village Industries Commission (KVIC) have inaugurated a series of initiatives like spinning and weaving activities to generate employment in Goa.

## 16. Answer A

New Delhi will host the ninth India-US Defence Technologies and Trade Initiative (DTTI) group meeting in last week of October.

## 17. Answer A

Viswanathan Anand, Indian chess legend is the author of the book "Mind Master: Winning Lessons from a Champion's Life". In this book, Anand has shared about his various experiences of playing against the best minds, and the methods he employs to prepare for wins, cope with disappointments and, simply, stay in the game.

## 18. Answer B

The 7th edition of Military World Games (MWG-2019) is being held from October 18–27 in Wuhan, China. The theme of the games is 'Military Glory and Peace'. China is for the first time is hosting the MWG, which is also known as Military Olympics. In this, more than 10,000 military officials from over 140 countries, including India are expected to participate with a record-high 329 events across 27 sports. The



first MWG was inaugurated in Rome in 1955, and since then, it is held every 4 years by the International Military Sports Council (or CISM).

19. Answer B

91st Interpol General Assembly will be hosted by India in 2022. A proposal in this regard was cleared with “overwhelming support” from members countries of the international police cooperation body.

20. Answer B

Indian cyclist Ronaldo Singh bagged gold in the men’s junior Keirin event at the 2019 Asian Track Cycling Championships. The championship is being organized at Incheon in South Korea. Apart from Ronaldo, James Singh clinched a bronze medal in the same event. India also secured 2 bronze medals in men’s and women’s Jr. sprint team.

21. Answer D

IMNEX-2019 – joint Naval Exercise between India and Myanmar is being organised in Visakhapatnam from 19 to 22 October. The opening ceremony of the second edition was conducted on INS Ranvijay.

22. Answer B

Christine Lagarde, Managing Director of the International Monetary Fund (IMF) will be the new head of the European Central bank (ECB). She will be the 1st woman to lead a powerful institution of ECB. She will be taking charge from Mario Draghi on 1st November 2019.

23. Answer C

Prime Minister Narendra Modi unveiled N Chandrasekaran, Chairman, Tata Sons and Roopa Purushothaman’s book titled ‘Bridgital Nation: Solving Technology’s People Problem’ in New Delhi on 20 October 2019. He presented books’ first copy to eminent industrialist and philanthropist Ratan Tata.

24. Answer C

Sri Lanka’s sound framework to bring the commitment of all stakeholders for enhancing AML/CFT standards in order to improve compliance and country rating, Financial Action Task Force (FATF) has removed Sri Lanka from its ‘Grey List’ of countries at risk for money laundering. The term ‘Grey List’ by FATF refers to a jurisdiction with strategic Anti-Money Laundering and Countering the Financing of Terrorism (AML/CFT) deficiencies.

25. Answer A

On the occasion of Elder’s Day celebration organized by Age Care India. K Parasaran, former Attorney General of India was honoured the “Most Eminent Senior Citizen Award”. The award was presented to him by the Vice President Shri Venkaiah Naidu.

### **VERBAL ABILITY**

1. Answer C

**Sol.** There are errors in parts (A), (B) and (D). There is no error in part (C) .

Part (A) must be ‘one of the biggest’. Usage of article ‘the’ is necessary before superlative degree of the word ‘big’.

Part (B) must be ‘problem we face in’

Part (D) must be ‘inability to’.

Hence option (c) is the correct answer.

2. Answer D

Option (d) is the correct answer choice. Both the option (b) and (c) can be traced from the 2nd paragraph of passage where it is stated as “Incidentally, moving from the personal to the public, critics of English

overlook the neutralising and nationally cohesive force that English exerts on linguistic rivalries within India — enabling equivalent commerce between, say, educated Tamil, Hindi and Bangla speakers without their having to face a potentially irksome Hindi monopoly in U.P., Tamil monopoly in Tamil Nadu, or Bangla monopoly in West Bengal. Take English out of that matrix and we will be faced with more divisive linguistic politics in the States.”

### 3. Answer A

Option (a) is the correct answer choice. Option (a) can be traced from the 3rd paragraph of passage where it is stated as “There is nothing wrong about such a call. Where Mr. Naidu, and many others, go wrong is by turning this call into an ‘either-or’ issue — either we pay attention to English or we pay attention to other Indian languages.” Option (b) can’t be true as discrimination is nowhere discussed in the paragraph. Thus option (a) is the best answer choice.

### 4. Answer C

Option (c) is the correct answer choice. Option (c) can be traced from the 1st paragraph of passage where it is stated as “Even though he was speaking on the occasion of Hindi Divas at Vigyan Bhawan in New Delhi and he espoused the cause of Hindi as a national language, he had in mind other Indian languages too. Mr. Naidu reportedly said that “all Indian languages” are “vibrant” and there are many other Indian languages which “are older and more vibrant than Hindi”. So, it was not, as his critics made it sound, a question of Hindi triumphalism. He was talking of Indian mother tongues in general, and excluding English from that category.” Option (b) was not the misinterpretation, it was the truth. So option (c) is the best answer choice.

### 5. Answer D

Option (d) is the correct answer choice. Option (a) and (b) can be traced from the 3rd paragraph of passage where it is stated as “If English is a ‘disease’ left behind by the British, then it is an advantageous disease: it has enabled the educated Indian middle class to be internationally competitive without any extra effort by the Indian government. In the pure sciences, medicine, engineering, literature, history, and so on, the easy access that a few million privileged Indians have to English texts has been converted into useful capital.”

### 6. Answer D

Option (d) is the correct answer choice. Both the option (a) and (b) can be traced from the 1st paragraph of passage where it is stated as “Societies that live in harmony with nature flourish and prosper. Today, human society stands at an important crossroads. The path that we take hereon will not only determine our well-being but also that of the generations who will inhabit our planet after us. The imbalances between our greed and necessities have led to grave ecological imbalances. We can either accept this, go ahead with things as if it is business as usual, or we can take corrective actions.” The whole passage gives us the idea about the sustainable use of the natural resources.

### 7. Answer A

Option (a) is the correct answer choice. Option (a) can be traced from the 2nd paragraph of passage where it is stated as “He propounded the Doctrine of Trusteeship, which places the onus on us, the present generation, to ensure that our coming generations inherit a clean planet.” Although Option (c) is the literal explanation of the “doctrine of trusteeship” It provides a means by which the wealthy people would be the trustees of trusts that looked after the welfare of the people in general, but it is not mentioned in the passage.

### 8. Answer E

Option (e) is the correct answer choice. All the option (a) (b) and (c) can be traced from the 3rd paragraph of passage where it is stated as “We need to talk, write, debate, discuss and deliberate as much as possible on questions relating to the environment. At the same time, it is vital to encourage research and innovation on subjects relating to the environment. This is when more people will know about the pressing challenges

of our times and ways to mitigate them. When we as a society are aware of our strong links with environmental conservation and talk about it regularly.”

9. Answer C

Option (c) is the correct answer choice. Option (c) can be traced from the 5th paragraph of passage where it is stated as “Climate justice is about safeguarding the rights and interests of the poor and marginalised sections of society, who are often the biggest sufferers from the menace of climate change.”

10. Answer C

11. Answer C

Referring to the concluding line of the paragraph 1, the answer can be inferred from, ‘India and China were able to conclude the Political Parameters and Guiding Principles for the Settlement of the India-China Boundary Question’. Hence, option (c) is the most suitable answer choice.

12. Answer A

Option (a) ‘established’ can fill in the blank given in passage 1 to make it contextually meaningful and grammatically correct.

Established- Having existed or done something for a long time and therefore recognized and generally accepted.

Elaborative- Something that provides additional details or information

Ergonomic- relating to or designed for efficiency and comfort in the working environment.

Instantaneous- occurring or done instantly, existing or measured at a particular instant.

13. Answer B

Option (b) is the most suitable answer choice.

Prominent- important; famous

Behest- A person’s orders or command

Lethargy- A lack of energy and enthusiasm

Brazen- Bold and without shame

Abrogate- Repeal or do away with a law, right, or formal agreement

So, “Prominent” will replace “Obscure”

14. Answer A

Referring to the introductory lines of the given passage, the right answer choice option (a) can easily be deduced from the same.

15. Answer A

Refer to the introductory lines of the given passage, ‘After having been in denial mode for months, the government with its substantive cut in corporate tax, publicly admitted, through belatedly, what was widely known and experienced about the sluggish economy.’ Therefore, the right answer choice is option (a).

16. Answer D

Refer to the last lines of first paragraph, ‘By bringing down corporate tax to the global level, the government has undoubtedly sent a strong and positive message which has cheered the stock market and hit the media headlines globally.’ Hence, option (d) is the right answer choice.

17. Answer D

Refer to the second paragraph, ‘Though the immediate tax bonanza would boost the bottom lines of only Indian corporates, its message to foreign investors too was positive. Against the backdrop of China losing its sheen as a preferred global investment destination, the prospects of attracting sizeable foreign capital

investment in the Indian economy are indeed brighter than ever before especially in the context of the trade war between China and the United States.’ Therefore, option (d) is the right answer choice.

18. Answer D

The correct sequence of the given sentences is beca. Sentence (d) fails to be a part of this sequence as there is no mention of ‘aflatoxin M1’ previously in any of the sentences arranged coherently. Hence option (d) is the right answer choice.

19. Answer B

In the context of this sentence, the phrase “devolve into the equivalent of house cats” means the condition of humans will worsen into a level identical to that of a pet animal. Among the given statements, only the sentence (III) expresses the meaning which complies with the meaning of the phrase and at the same time it makes sure that the actual meaning of the sentence remains intact. Statements (I) and (II) are irrelevant as they alter the meaning of the sentence. Hence (b) is the correct option.

20. Answer C

The right answer choice is option (c). ‘Basket Case’ means ‘Erratic or Panicky’.

21. Answer E

Here, none of the given options are suitable to form grammatically correct and contextually meaningful sentences. Thus right answer choice is option (e).

22. Answer D

The most appropriate option that reflects the meaning of the given sentence is option (d) as the idiom “a bolt from the blue” means something important or unusual that happens suddenly or unexpectedly. However, the words “fatal”, “frightening” and “formidable” do not indicate the suddenness of the event. Hence, option (d) is the most suitable answer choice.

23. Answer C

The most appropriate option that reflects the meaning of the given sentence is option (c) as the idiom “died-in-the-wool” means unchanging in a particular belief or opinion; inveterate. However, the words “pretentious”, “conspicuous” and “revolutionary” do not express the similar meaning. Hence, option (c) is the most suitable answer choice.

Pretentious means attempting to impress by affecting greater importance or merit than is actually possessed.

Conspicuous means attracting notice or attention.

Inveterate means having a particular habit, activity, or interest that is long-established and unlikely to change.

Revolutionary means involving or causing a complete or dramatic change.

24. Answer A

25. Answer B

### **LOGICAL REASONING**

1. Answer D

It is unwise to sign up tennis stars for five years as they do not play for more than three years. So, the assumption is that they will lose their popularity once they stop playing internationally. So (d) is the correct answer. (a) is not an assumption to show that the decision is not wise. (c) does not refer to the question of the duration of the contract.

2-4

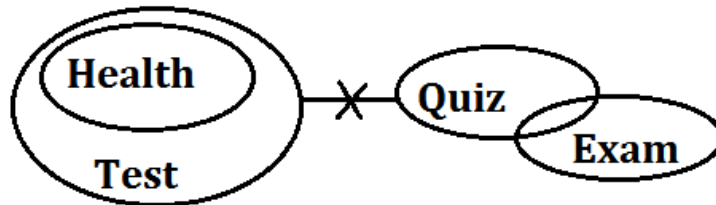
Years	Books
2001	P
2005	Q
2010	S
2012	T
2014	R
2016	U
2019	V

2. Answer D

3. Answer C

4. Answer A

5. Answer C



6-8

(If total number of letter in a word is  
odd number then use # symbol  
otherwise use @)

PARTY ——— B # 6 ——— (Total number of letter + 1 )

(Reverse of that letter in a word  
which comes last according to english  
alphabetical series)

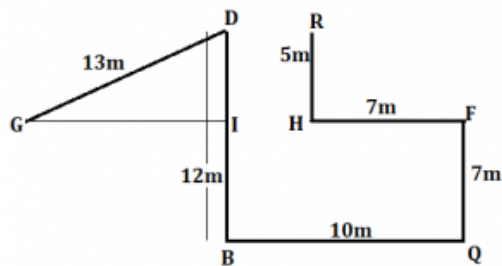


6. Answer E

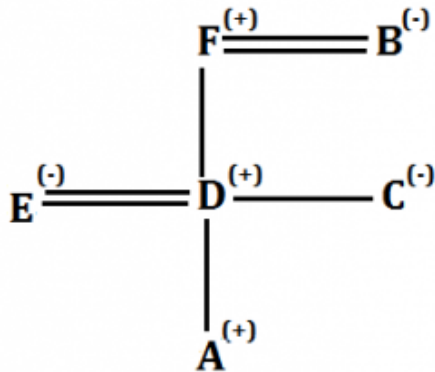
7. Answer D

8. Answer C

9. Answer A



10-12



10. Answer C

11. Answer D

12. Answer A

13. Answer C

Note that we are talking about Smart Cities Mission. Thus anything related to rural areas is beyond the scope. Whereas, in option (c), we focus only on urban development. Hence, option (c) will be an effect of the statement.

14. Answer B

The statement talks about cleaning the Indian politics from criminalization. Choice (c) cannot be considered completely. But choice (b) can be considered as it substantiates the conclusion fully.

15-17

The machine arranges a word and a number in each step. Words are arranged in alphabetical order in such a way that word with the smallest starting alphabet is placed at the left end in each step. Similarly, the numbers are arranged in decreasing order in such a way that the highest number is placed at the rightmost end in one step, followed by the second largest number in second step and so on.

In the final step all the words are converted into a numerical value which denotes the sum of the values of its vowels. For Ex. SOUL = 15(O) + 21(U) = 36. Similarly, all the two-digit numbers are converted into their digital sum. For Ex.  $92 \rightarrow 9+2 \rightarrow 11 \rightarrow 1+1=2$

Input : 41 do provoke 21 79 mouth cat loud 29 apple 83 44

Step I : apple 41 do provoke 21 79 mouth cat loud 29 44 83

Step II : cat apple 41 do provoke 21 mouth loud 29 44 83 79

Step III : do cat apple 41 provoke 21 mouth loud 29 83 79 44

Step IV : loud do cat apple provoke 21 mouth 29 83 79 44 41

Step V : mouth loud do cat apple provoke 21 83 79 44 41 29

Step VI : provoke mouth loud do cat apple 83 79 44 41 29 21

Step VII : 35 36 36 15 1 6 2 7 8 5 2 3

15. Answer D

16. Answer D

17. Answer E

18. Answer A

19. Answer C

20. Answer A

21. Answer C

22. Answer E

23. Answer D

In each of the segments, the figures alternate between one-half and one-fourth shaded.

24. Answer C

Study the pattern carefully. In the first segment, two letters face right and the next two face left. The first letter in the second segment repeats the last letter of the previous segment. The same is true for the third segment. But the fourth segment changes again; it is the opposite of the first segment, so the last two letters must face right.

25. Answer B

Each arrow in this continuing series moves a few degrees in a clockwise direction. Think of these arrows as the big hand on a clock. The first arrow is at noon. The last arrow before the blank would be 12:40. Choice b, the correct answer, is at 12:45.

### QUANTITATIVE ABILITY

1. Answer E

Pattern of series –

$$18 \times 2 - 4 = 32$$

$$32 \times 3 - 6 = 90$$

$$90 \times 4 - 8 = 352$$

$$352 \times 5 - 10 = 1750$$

$$1750 \times 6 - 12 = 10488$$

Second series –

$$P \times 2 - 4 = (2P - 4)$$

$$(2P - 4) \times 3 - 6 = 30$$

$$6P = 48$$

$$P = 8$$

$$30 \times 4 - 8 = 112$$

$$112 \times 5 - 10 = 550$$

$$Q = 550 \times 6 - 12 = 3288$$

2. Answer D

Out of four options, one is correct therefore, each question can be answered correctly in only one way and incorrectly in three way either all even number question are correct or all odd numbered questions are correct.

Number of ways of answering all even numbered questions correctly

$$= 1 \times 3^{20}$$

Similarly, number of ways of answering all odd numbered questions correctly

$$= 1 \times 3^{20}$$

$$\text{Required number of ways} = 3^{20} + 3^{20}$$

$$= 2 \times 3^{20}$$

3. Answer B

$$\text{The probability of getting tail} = \frac{75}{100} = \frac{3}{4}$$

$$\text{The probability of getting head} = \frac{1}{4}$$

$$\text{Average profit} = \frac{3}{4} \times 40 - \frac{1}{4} \times 48$$

$$= \text{Rs } 18$$

4. Answer D

New ratio in 1<sup>st</sup> mixture

$$= 6 \times \frac{4}{5} : 5 \times \frac{3}{4} : 3 \times \frac{3}{5}$$

$$= 32 : 25 : 12$$

New ratio in 2<sup>nd</sup> mixture

$$= 3 \times \frac{4}{5} : 5 \times \frac{3}{4} : 6 \times \frac{3}{5}$$

$$= 16 : 25 : 24$$

Now ratio of combined mixture

$$= 48 : 50 : 36$$

$$\text{Required ratio} = 24 : 25 : 18$$

5. Answer C

**Sol.** Total Mobile sold in year 2016 = 2600 + 2000 + 1600 = 6200

Total Mobile sold in year 2019 = 4600 + 4400 + 3400 = 12400

$$\therefore \text{required percentage} = \frac{6200}{12400} \times 100 = 50\%$$

6. Answer B

**Sol.** Mobile Sold by Samsung in 2016, 2017 and 2018 together = 8800

Mobile sold by MI in 2017, 2018 and 2019 together = 12600

$$\therefore \text{required ratio} = 8800 : 12600$$

$$= 44 : 63$$

7. Answer B

Let two digits of number be a and b

A.T.Q.

$$10a + b = 5 \times (a + b)$$

$$5a = 4b$$

$$\frac{a}{b} = \frac{4}{5} \text{ -----I}$$

ATQ,

$$10a + b + 9 = a + 10b$$

$$9b - 9a = 9$$

$$b - a = 1 \text{ -----II}$$

from statement I Let a = 4x and b = 5x

$\therefore$  putting in II

$$5x - 4x = 1$$

$$x = 1$$

So digits 4x and 5x are 4 and 5

$$\therefore \text{number} = 45.$$

8. Answer D

Let two number are A and B.

ATQ,

$$33\% \text{ of } (A+B) = 67\% \text{ of } (A-B)$$

$$34\%A = 100\%B$$

$$\frac{A}{B} = \frac{50}{17}$$

$$\text{Let } A = 50x$$

$$\text{And } B = 17x$$

ATQ,

$$50x + 17x = 469$$

$$x = 7$$

$$\begin{aligned} \text{Smaller number} &= 17x = 17 \times 7 \\ &= 119 \end{aligned}$$

9. Answer B

$$\text{Let total profit} = 7x$$

$$\text{So, profit of A} = x$$

And remaining profit is distributed among A and B equally

$$\text{Profit of B} = \text{profit of C} = 3x$$

ATQ,

$$3x - x = 2x = \text{Rs. } 1750$$

$$\text{So, total profit} = 7x = 7 \times \frac{1750}{2} = \text{Rs. } 6125$$

10. Answer B

$$\text{Sol. Total distance} = x \text{ km}$$

$$\text{Distance by train} = \frac{x}{2} \text{ km}$$

$$\text{Distance by Feet} = \frac{x}{2} \text{ km}$$

$$\text{Time taken to cover } \frac{x}{2} \text{ by train} = \frac{x}{50} \text{ hours}$$

$$\text{Time taken to cover } \frac{x}{2} \text{ by foot} = \frac{x}{8} \text{ hours}$$

$$\frac{x}{50} + \frac{x}{8} = 5 \frac{48}{60}$$

$$x = 40 \text{ km}$$

11. Answer B

$$1 \text{ day work of A and B together} = \frac{1}{10} \text{ unit}$$

$$1 \text{ day work of B and C together} = \frac{1}{12} \text{ unit}$$

$$1 \text{ day work of A and C together} = \frac{1}{15} \text{ unit}$$

$$\text{So, 1 day work of (A+B+B+C+C+A) together} = \frac{1}{10} + \frac{1}{12} + \frac{1}{15} = \frac{15}{60} = \frac{1}{4} \text{ unit}$$

$$1 \text{ day work of (A+B+C)} = \frac{1}{8} \text{ unit}$$

therefore

$$1 \text{ day work of A} = 1 \text{ day work of (A+B+C)} - 1 \text{ day work of (B+C)}$$

$$= \frac{1}{8} - \frac{1}{12} = \frac{1}{24} \text{ unit}$$

So A can complete the same work in 24 days.

12. Answer C

$$1 \text{ day work of A} = \frac{1}{30} \text{ unit}$$

$$1 \text{ day work of B} = \frac{1}{40} \text{ unit}$$

Let total time taken to finish the work is 't' days

$$\frac{t-10}{30} + \frac{t}{40} = 1$$

$$\frac{t}{30} + \frac{t}{40} = 1 + \frac{1}{3} = \frac{4}{3}$$

$$\frac{7t}{120} = \frac{4}{3}$$

$$t = \frac{160}{7} \text{ days}$$

13. Answer D

Let total chocolate in box be 10c. Munch chocolate be a and kit-kat chocolate be b.

$$\text{Probability of selecting Munch chocolate} = \frac{a}{10c} = \frac{3}{10}$$

$$a = 3c \quad \text{...(i)}$$

$$\text{Probability of selecting Kit Kat chocolate} = \frac{b}{10c} = \frac{2}{5}$$

$$b = 4c \quad \text{...(ii)}$$

ATQ,

$$a + b + 6 = 10c$$

$$\Rightarrow 3c + 4c + 6 = 10c$$

$$\Rightarrow c = 2$$

$$\text{So, total chocolate} = 20$$

$$\text{Required probability} = 1 - \frac{{}^6C_2 + {}^8C_2 + {}^6C_2}{{}^{20}C_2}$$

$$= 1 - \frac{(20 + 56 + 20)}{1140}$$

$$= \frac{1044}{1140}$$

$$= \frac{87}{95}$$

14. Answer E

Speed of boat in downstream =  $24 = a + b$

Where  $a$  = speed of boat in still water and  $b$  = Speed of stream

Now  $a = 4b$

$$\Rightarrow 24 = 5b \Rightarrow b = \frac{24}{5} \text{ and } a = 4 \times \frac{24}{5} = \frac{96}{5}$$

Let, total distance covered is ' $x$ ' km

ATQ,

$$6 = \frac{x}{2 \times 24} + \frac{x \times 5}{2 \times 72}$$

$$x = \frac{144 \times 6}{8} = 108 \text{ km}$$

15. Answer D

Let man invested amount Rs  $2a$  in scheme Z and Rs  $a$  in each of scheme Y and X.

ATQ,

$$\frac{(a \times 10 \times 2)}{100} + \frac{a \times 6 \times 2 \times 2}{100} + \left[ 2a \left( 1 + \frac{10}{100} \right)^2 - 2a \right] = 2580$$

$$= \frac{20a}{100} + \frac{24a}{100} + \left[ \frac{242a}{100} - 2a \right] = 2580$$

$$= \frac{20a + 24a + 242a}{100} = 2580$$

$$= \frac{86a}{100} = 2580$$

$$a = \frac{2580 \times 50}{43} = 3000 \text{ Rs.}$$

Total amount invested initially is

$$a + a + 2a = 4a = \text{Rs. } 12000$$

16. Answer D

Let length =  $100x$  unit

Breadth =  $100y$  unit

And height =  $100z$  unit

$$\text{New length} = 100x + 100x \times \frac{10}{100} = 110x \text{ unit}$$

Similarly breadth =  $120y$  unit

Height =  $130z$  unit

$$\text{Percentage changed volume} = \frac{110x \times 120y \times 130z - 100x \times 100y \times 100z}{100x \times 100y \times 100z} \times 100$$



17. Answer C

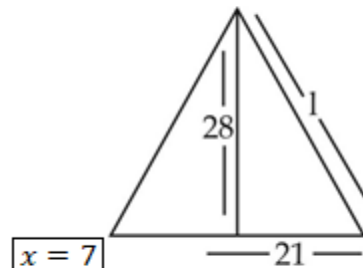
Let radius =  $3x$  cm

And height =  $4x$  cm

$$\text{Volume} = \frac{1}{3} \pi r^2 h$$

$$12936 = \frac{1}{3} \times \frac{22}{7} \times 3x \times 3x \times 4x$$

$$x^3 = 343$$



So, radius =  $3x = 21$  cm

Height =  $4x = 28$  cm.

$$l^2 = 28^2 + 21^2 = 1225$$

$$l = 35 \text{ cm}$$

Slant height = 35 cm

18. Answer A

Total surface area of cube =  $6a^2$  ( $\because$  a = side of cube)

$$216 = 6a^2$$

$$a = 6 \text{ cm}$$

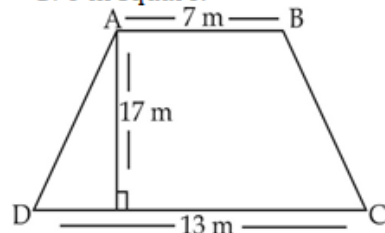
$$\text{volume of cube} = a^3 = 216 \text{ cm}^3 = 216 \text{ cu.cm.}$$

19. Answer B

Area of trapezium =  $\frac{1}{2}$  (sum of parallel side)  $\times$  perpendicular distance between parallel sides

$$= \frac{1}{2} (13 + 7) \times 17$$

$$= 170 \text{ m square.}$$



20. Answer A

$$\frac{\text{curved surface area of cylinder}}{\text{total surface area of cylinder}} = \frac{5}{12}$$

$$\frac{2\pi rh}{2\pi rh + 2\pi r^2} = \frac{5}{12}$$

$$\frac{h}{h + r} = \frac{5}{12}$$

$$\text{Let } h = 5x \text{ m}$$

$$r = 7x \text{ m}$$

$$\text{volume of cylinder} = \pi r^2 h$$

$$20790 = \frac{22}{7} \times 7x \times 7x \times 5x$$

$$x^3 = 27 \boxed{x = 3}$$

$$\text{Height} = 15 \text{ m.}$$

21. Answer C

Perimeter of right angle triangle = base + height + hypotenuse

Let base =  $3x$  cm

Perpendicular (height) =  $4x$  cm

$$\text{Hypotenuse}^2 = \text{base}^2 + \text{perpendicular}^2 = 25x^2$$

Hypotenuse =  $5x$  cm

$$\text{Perimeter} = 3x + 4x + 5x$$

$$60 = 12x \text{ cm}$$

$$x = 5 \text{ unit}$$

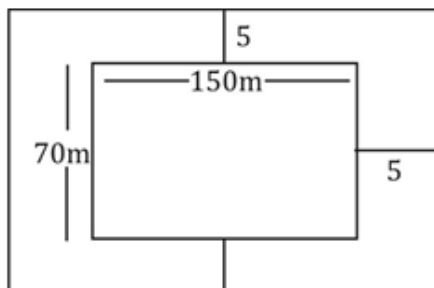
$$\text{area of right angle triangle} = \frac{1}{2} \times \text{base} \times \text{perpendicular}$$

$$= \frac{1}{2} \times 3x \times 4x$$

$$= 6x^2$$

$$= 6 \times 5 \times 5 = 150 \text{ cm square}$$

22. Answer D



Area of path = area of whole constructed area - area of park

$$= 160 \times 80 - 150 \times 70$$

$$= 12800 - 10500$$

$$= 2300 \text{ m}^2$$

23. Answer D

To construct 2 roads, three towns can be selected out of 4 in  $4 \times 3 \times 2 = 24$  ways.

Now if the third road goes from the third town to the first town, a triangle is formed, and if it goes to the fourth town, a triangle is not formed. So, there are 24 ways to form a triangle and 24 ways of avoiding a triangle.

24. Answer B

Out of five girls, he has to invite exactly 3. This can be done in  ${}^5C_3$  ways. Out of 4 boys he may invite either one or two or three or four or none of them.

This may be done in  ${}^4C_1 + {}^4C_2 + {}^4C_3 + {}^4C_4 + {}^4C_0$

$$= {}^4C_0 + {}^4C_1 + {}^4C_2 + {}^4C_3 + {}^4C_4$$

$$= (1 + 1)^4 = 2^4 \text{ ways.}$$

Hence, the total number of ways in which he can invite

his friends are  ${}^5C_3 \times 2^4 = 10 \times 16 = 160$  ways

25. Answer B

Let the vice-chairman and the chairman from 1 unit along with the eight directors, we now have to arrange 9 different units in a circle. This can be done in  $8!$  ways.

At the same time, the vice-Chairman & the chairman can be arranged in two different ways. Therefore, the total number of ways =  $2 \times 8!$ .