cracku

NMAT Previous Paper 1

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Language Skills

Choose the word which is most nearly the same in meaning.

1. Span

- **A** Width
- **B** Gap
- **C** Duration
- **D** Distance
- **E** Extent

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2. Consensus

- **A** Agreement
- **B** Consent
- **C** Harmony
- **D** Compromise
- **E** Interaction

3. From the options, choose the pair of articles that should be placed in the blanks.

Terrorism is one of ___ biggest problems that ___ India is facing right now.

- **A** the, the
- **B** a, no article
- **C** no article, no article
- **D** the, no article
- **E** no article, the

Choose the grammatically correct option for the part highlighted in bold:

4. My husband **took his mother out** for dinner on Mother's Day.

- **A** sent his mother out
- **B** sent his mother off
- **C** gave his mother out

D   sent his mother

E   No change required

5. The statements A-D when arranged in the correct order form a coherent passage starting with statement 1 and ending in statement 2. Find the correct ordering.
1) Imagine, in a vast and fertile country, a population of a thousand inhabitants, destitute of all capital thus defined.
A) Let us suppose that ten of these savages are provided with instruments and provisions sufficient to work and to live themselves until harvest time, as well as to remunerate the services of eighty labourers.
B) Let us suppose a case hardly less cruel.
C) The inevitable result will be the death of nine hundred human beings.
D) It will assuredly perish by the pangs of hunger.
2) It is clear, then, that since 990 men, urged by want, will crowd upon the supports which would only maintain a hundred, the ten capitalists will be masters of the market

   A   DBAC

   B   ADBC

   C   ABDC

   D   DABC

   E   BCAD

6. From the options given below, select the one that best replaces the part in bold in the given sentence.

This college has a **large number of alumnus.**

   A   many alumni

   B   many number of alumni

   C   large number of alumni

   D   many number of alumnus

   E   No correction required

7. Glass : Window :: ? : Table

   A   chair

   B   room

   C   wood

   D   seat

   E   fan

Instructions [8]

Choose the option that would fit both the given blanks.

8. You need to rise to his _____ before challenging him.
They have to _____ the floor before laying down the tiles.

A   champion

B   strength

C   level

D   clear

E   flatten

Instructions [9]

For each of the questions given below, fill in the blanks with the most suitable idiom or phrase.

9. On enquiry it was revealed that the gunman shot the person from a _____ range.

A   Right-tracked

B   Driver's seat

C   Point-blank

D   Both option a and b

E   None of the above

10. Choose the most appropriate option for the underlined portion of the following sentence:
He had angered his bosses not only by his rude and unprofessional behavior <u>but also lack of punctuality.</u>

A   but also lack of punctuality

B   but also by his lack of punctuality

C   but also his lack of punctuality

D   but also a lack of punctuality

E   but his lack of punctuality

Instructions [11 - 14]

Read the passage carefully and answer the questions that follow:

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Teaching is more than imparting knowledge, it is inspiring change. Learning is more than absorbing facts, it is acquiring understanding. - William Arthur Ward has expressed 'to a T' the true meaning of teaching; it is to continuously polish one's expertness to reach the zenith of perfection. The creation of an excelling tomorrow lies upon the teacher. So the sole job of a teacher is to **mould** the minds of the future generation. If you want to excel in the task of being a good teacher then there is a list of facts you must get used to. Now there is a sincere effort for upgrading teaching techniques, which can be more effective with the appropriate involvement of students and teachers. Nowadays, many schools have turned to child-centric learning for indulging the children. This kind of **upgraded** technique not only includes the active participation of the children but it also attracts their interest. A good teacher plays the important role of an educator, a guide, an inspiration, and a friend while gently helping the 'slow learners' climb the steep learning tree and also engaging with the 'bright minds' delve deeper into knowledge and concepts and thereby meet their need to be ahead of others.
In a classroom there are students with different learning abilities and the teacher faces a **formidable** challenge. But the teachers tap the little minds of young children and plant the seeds of curiosity and knowledge in them. This inculcates the values of self-learning, exploration, and philosophical inquiry. Each child must be allowed to work through his/ her individual will and truly understand the new facts according to his/ her own unique way and capabilities. A teacher helps her students learn some of these things about each other, especially the strengths and hopes. Always keep in mind that there is nothing in the environment that the child cannot see or touch or play with. All the equipment should be scaled down to the child's reach. An ideal classroom should have a frank, productive atmosphere where joy and education meet together. A good teacher learns all she can about their academic strengths and needs, but even more about their interests, fears, hopes , and worries. You must learn how to create such an enriched environment full of freedom and activities where intellectual development can spontaneously **flourish**. A good teacher knows his/ her students on many levels. She helps her students learn these things about themselves. A teacher is someone who has an affinity with the students she is teaching. But to be a successful teacher who can identify with the aspirations and difficulties of his/ her students, you need to get a teachers' training course, which would help you achieve your professional grail.

By - Upoma Dey

11. What is the tone of the passage?

A   humorous

B   accusatory

C   descriptive

D   critical

E   sarcastic

12. According to the author, what is the most important job of a teacher?

A   To mould the minds of the future generations

B   To create an excellent tomorrow

C   To engage the bright minds of the children

D   To help the slow-learners climb the steep learning tree

E   To help the students learn about themselves

13. Which of the following is opposite in meaning to the word "upgrade"?

A   raise

B   boost

C diminish

D enhance

E move up

14. Which of the following is similar in meaning to the word "mould"?

A chisel

B sculpt

C destroy

D unshape

E More than one of the above

15. Select the word or phrase that is nearly the opposite in meaning to the given word: *preposterous*

A tawdry

B reasonable

C ridiculous

D ludicrous

E uppity

16. The statements A-D when arranged in the correct order form a coherent passage starting with statement 1 and ending in statement 2. Find the correct ordering.

1) In all times, two political systems have been in existence, and each may be maintained by good reasons.

A) But as regards the third system, which partakes of both the others, and which consists in exacting everything from Government, without giving it anything, it is chimerical, absurd, childish, contradictory, and dangerous.

B) According to the other, this twofold activity ought to be little felt.

C) According to one of them, Government ought to do much, but then it ought to take much.

D) We have to choose between these two systems.

2) Those who parade it, for the sake of the pleasure of accusing all Governments of weakness, and thus exposing them to your attacks, are only flattering and deceiving you, while they are deceiving themselves.

A CBAD

B BCAD

C CBDA

D ACDB

E ABCD
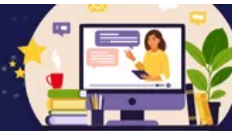
17. The statements A-D when arranged in the correct order form a coherent passage starting with statement 1 and ending in statement 2. Find the correct ordering.

1) Socialism, like the old policy from which it emanates, confounds Government and society.

A) We object to a State religion--then we would have no religion at all.

B) And so, every time we object to a thing being done by Government, it concludes that we object to its being done at all.

C) We object to an equality which is brought about by the State--then we are against equality.

D) We disapprove of education by the State--then we are against education altogether.

2) They might as well accuse us of wishing men not to eat, because we object to the cultivation of corn by the State

A CDBA

B CDAB

C ABDC

D ACBD

E BADC

Instructions [18 - 21]

Read the following passage carefully and answer the questions that follow:

Interactive TV has been a phrase used to describe a lot of new technologies from TIVO to Sling Box. Two of the latest technologies that allow you to get more from your TV than mere channel hopping are Google TV and Internet Ready TV. Both mean hooking up a TV to broadband internet and getting material from the internet on your TV screen but what are the differences and are either worth the investment?

Google TV offers full internet access on your TV. There are only two ways to get it at the moment. One is to install the Logitech 'Revue' between a cable or satellite box and the TV. If you don't have cable or satellite it won't work. The other is to buy a Sony blu-ray player with the hardware for Google TV built in. Both of these systems offer controllers with QWERTY keyboards. The Logitech Revue offers a full size keyboard, the Sony system uses a mini keyboard.

If these ways of getting the internet on your TV seem strange, it is because cable and satellite corporations have strongly resisted Google in the past and this is a compromise. You can get the service now but you can't abandon cable or satellite easily.

The critics have not been too enthusiastic about Google TV. Most say it is not ready for primetime, with a clunky interface and too many delays and glitches. People like Steve Jobs of Apple think Google TV has nothing to offer and has no future. So should it be written off? It is way too early for that. Many new technologies struggle at the beginning as problems emerge and are gradually solved. There has also been a steady uptake of the service and many people like the extra choice it can bring to the big screen HDTVs they have invested in.

Internet Ready TV certainly does not offer full access to the web on your TV, despite the name. What it does offer is a lot of services that are internet based and that will appeal to TV viewers. The most important of these is streaming video and music from services like Amazon and Netflix.

You can also get access to thousands of sites with news, travel, shopping and weather reports available. Yahoo TV widgets is probably the best service and is available on most Internet Ready TVs. It gives access to Facebook, Twitter and other social networking sites, amongst other things.

How do you get internet ready TV?

It could hardly be simpler. Most of the high end, bigger TV's being sold this year are Internet Ready models. Connect the TV to your broadband internet by WIFi or Ethernet cable and the service is ready.

Is there a drawback to Internet Ready TV and Google TV?

Some civil liberties groups point out that all the information on user's habits is available to be collected by agencies and companies of all kinds. This is more likely to be companies wanting to target advertising and products rather than shadowy government agencies. For privacy minded individuals it might still be a concern.

Julio Snow

18. Which of the following is one of the features of Internet Ready TV?

A   Access to social networking sites like Twitter

B   Full access to web on TV

C   Artificial Intelligence

D   Streaming video from Netflix

E   More than one of the above

19. Which of the following might be the 'compromise' that the author is talking about in the second paragraph?

A   An understanding between Internet Ready TV and Cable corporations that both would coexist as far as TV is concerned

B   An understanding between Google TV and Internet Ready TV that both would coexist

C   An understanding between Google and Cable and Satellite corporations that both would coexist as far as TV is concerned

D   An understanding between Apple and Cable corporations that Apple would supply the hardware

E   An understanding between Steve Jobs and Google CEO that they would not criticize each other in public

20. According to the author, is Google TV better than Internet Ready TV?

A   Yes, because Google TV has more features than Internet Ready TV

B   No, because Internet Ready TV has more features than Google TV

C   Yes, because of the Google brand value

D   No, because techies like Steve Jobs think there is no future for Google TV

E   Cannot be inferred from the information given in the passage

21. Which of the following is opposite in meaning to the word "abandon"?

A   discard

B   reject

C   jettison

D accept

E renounce

22. Playing : Piano :: ? : Keyboard

A typing

B learning

C inputing

D printing

E writing

23. Summarize the following paragraph:

The art of "not" reading is highly important. This consists in not taking a book into one's hand merely because it is interesting the great public at the time - such as political or religious pamphlets, novels, poetry, and the like, which make a noise and reach perhaps several editions in their first and last years of existence. Remember rather that the man who writes for fools always finds a large public: and only read for a limited and definite time exclusively the works of great minds, those who surpass other men of all times and countries, and whom the voice of fame points to as such. These alone really educate and instruct.

A The more popular a book is, the less is the value of its instructions

B The cult of popularity is damaging literature as people are buying books on basis of popularity and not on the basis of quality

C Read books that have been written by great minds and not those that are in vogue and are currently popular among the masses

D One should learn to say no to books as all knowledge is neither necessary nor useful

E One should not say no to books as all knowledge is necessary and useful

Instructions [24]

In each of the following questions a short passage is given with one of the lines in the passage missing and represented by a blank. Select the best out of the five answer choices given, to make the passage complete and coherent (coherent means logically complete and sound).

24. An old uncle came into the family of his nephew to live, late in life, and with a record behind him of whims and crotchets in the extreme. The father and mother talked it over. Uncle James must come. He had lost all his money. _____. They took it into account, without offence, that it was probably just as much a cross to Uncle James to come as it was to them to have him.

A Children are always delighted at a visit from a relative, and they welcomed their great-uncle with pleasure

B The father and mother realized that Uncle James had, unconsciously, made men of their boys as nothing else in the world could have done.

C There was no one else to look after him and they could not afford to support him elsewhere where he would be comfortable

D His snappish feelings are just like a sore that is smarting and aching all the time.

E None of the above

25. Since the advent of cable television, at the beginning of <u>this decade, the entertainment industry took</u> a giant stride forward in our country.

A this decade saw the entertainment industry taking

B this decade, the entertainment industry will be taken

C this decade, the entertainment industry had taken

D this decade, the entertainment industry took

E this decade, the entertainment industry has taken

26. The statements A-D when arranged in the correct order form a coherent passage starting with statement 1 and ending in statement 2. Find the correct ordering.

1) In the department of economy, an act, a habit, an institution, a law, gives birth not only to an effect, but to a series of effects.

A) Between a good and a bad economist this constitutes the whole difference.
B) The others unfold in succession-"they are not seen".
C) Of these effects, the first only is immediate; it manifests itself simultaneously with its cause - "it is seen".
D) It is well for us if they are "foreseen".

2) The one takes account of the "visible" effect; the other takes account both of the effects which are "seen" and also of those which it is necessary to "foresee"

A CBDA

B CBAD

C BCAD

D ACBD

E DBAC

27. However, it is not possible to attract all women, or just any specific one. If there were a specific woman that you wanted to attract, but who is simply not interested or attracted to you, no skill or technique or persistence is guaranteed to work. History is replete with stories of unrequited love - of men who thought that they can make a woman want them. If they had simply tried to attract other women instead, and kept persisting, they would have been met with success.

by : Ren Rejante

Which of the following is the best summary of the above paragraph?

A With good choice making and relentless pursuit nothing is impossible.

B   Choosing the right woman will increase the chances of attracting a woman.

C   A man who choses the right woman and tries persistently to attract her has a greater probability of success.

D   If a man persists and makes the right choices, he will succeed in attracting the woman he likes.

E   If a man persists and makes the right choices, nothing is impossible.

Instructions [28]

In each of the following questions, one sentence is given followed by one blank. Find the most appropriate word that fits to make the sentence grammatically and contextually correct.

28. There have been gear-like structures previously _____ on other animals, but they're purely ornamental.

A   found

B   occurred

C   done

D   fixed

E   None of the above

Instructions [29]

Choose the option which is nearest to the meaning of given idioms/phrasal verbs.

29. Cry for the moon

A   aim very high

B   have a secret plan

C   a very tough situation

D   ask for the impossible

E   work without result in mind

Instructions [30]

Pick out the most effective pair of words from the given pair of words make the sentences meaningfully complete.

30. It is role of the state to _____ crime and protect people and poverty. If the state is unable to prevent a crime it falls upon the state to _____ the victim.

A   Prevent - support

B   preventing - encourage

C   prevent - supporting

D   forbid - discourage

**E**   forbid - discouraging

Instructions [31]

Instructions: Each question below has two blanks, each blank indicating that something has been omitted. Choose the set of words for each blank that best fits the meaning of the sentence as a whole.

31. _____ has been taken against some wholesale drug dealers for dealing in surgical items without a valid license and maintaining a stock of _____ drugs.

A   Note, Overwhelming

B   Step, Impressive

C   Execution, Outdated

D   Action, expired

E   Lawsuit, invalid
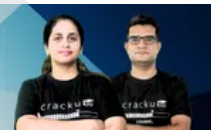
Instructions [32 - 35]

Read the following passage carefully and answer the questions that follow:

Globalization is working towards a world economy with easy transportation of goods and exchange of technology among countries. The developed west counts on rapidly developing economies of the east for supply of products and raw material. And when we talk about the rapidly developing economy of the east then it has to be China. China Sourcing is preferred by leading manufacturers of the world for the reasons that are well known to all.

The first reason why world manufacturers look towards China for supply is the low cost of finished goods, components and machine parts. It is advantageous for both the supplier as well as the manufacturer. China has demonstrated that it is capable of producing world-class goods with unmatched quality. Today almost every manufacturer has its office in China to **facilitate** sourcing.

Innovation is the second reason for companies running to China. In recent years, China has been innovative in producing a number of user-friendly products from mobile phone handsets to laptops and electricity bulbs to fast moving consumer goods. This trend has kept China at the helm of all world affairs. Whether it is an aeroplane or household item, Chinese products have a say everywhere. The second reason is stronger than the first one. It has established the **hegemony** of the China Sourcing over the world.

The new trend provided a drastic change in the sourcing strategies of manufacturers. Previously they were interested only in the supply of goods but now they are considering buying finished goods from China to sell in their home country. China products are cost effective and score high in quality. These products can work even in **adverse** condition and because of low price almost everyone can buy them. With its innovative methods, China has created a market for its products that stretches beyond boundaries and across continents.

China Sourcing is in the mind of every manufacturer whether it is in Asia, Africa or Europe. Chinese supplies help manufacturers across the globe cut down their product cost without **compromising** on quality. This way they can withstand the competition and survive even in economic slowdown. If you are looking for sourcing goods from China then it is a welcome decision. Chinese people have access to the Internet and you can contact them directly or hire the services of a supplier that can prepare all the documents, clear all the legal hurdles and bring Chinese goods to your doorstep.

John Buerkle

32. Which of the following can be inferred from the information provided in the passage?

A Only western countries are looking to China for sourcing

B Chinese goods are low in cost but the flip side is that they are bad in quality

C Cost of a product and its quality are directly proportional to each other, i.e., higher the cost, better is the quality and vice-versa

D Cost of a product and its quality are inversely proportional to each other, i.e., higher the cost, lower is the quality and vice-versa

E Innovation is one of the most important aspects in which a country has to improve for it to be a world business destination

33. What is the main point of the passage?

A China has become a major destination of business for companies across the world because it provides them leverage in terms of cost, quality and innovation

B China is replacing the US as the new superpower of the world because of its manufacturing prowess

C China has matured from a raw-material supplier to finished-goods supplier

D Many companies are shifting their offices to China to make use of its friendly business policies

E China is the go-to destination for each and every company in the world

34. Which of the following statements is true according to the passage?

1. China has been able to survive the economic slowdown because it produces goods of high quality at low prices
2. China has a good command on producing electronic goods but pretty much nothing else
3. Only Asian countries are looking to China for supply

A Only 1

B 1 and 2

C 1 and 3

D 1, 2 and 3

E 2 and 3

35. What is the word that is a synonym of "facilitate"?

A worsen

B check

C block

D hinder

E aid

36. Identify the word which is opposite in meaning to the word given bold
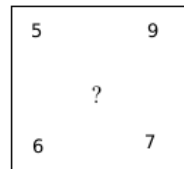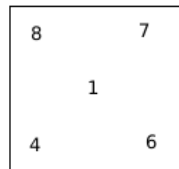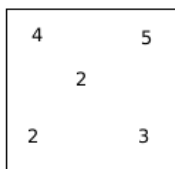
PERTINENT

A cogent

B irrelevant

C furious

D benevolent

E unkind

Logical Reasoning

37.

4		5
	2	
2		3

8		7
	1	
4		6

5		9
	?	
6		7

Find the missing value in the above figure

A 3

B 4

C 5

D 6

E 7

Instructions [38]

Directions for the following five questions: In each question below are given two or three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then, decide which of the given conclusions logically follow(s) from the given statements, disregarding commonly known facts.

38. Statements:
Some bags are covers.
All covers are packets.
Conclusion I: Some packets are bags
Conclusion II: No bag is a packet

A Only II follows

B Either I or II follows

C Both I and II follows

D Only I follows

E Neither I nor II follows

39. Statements: Most financial books are expensive.
Conclusions: 1) Some non-financial books are expensive.
2) Some financial books are not expensive.

A Only conclusion 1 follows

B Only conclusion 2 follows

C Either conclusion 1 or conclusion 2 follows

D Neither conclusion 1 nor conclusion 2 follows

E Both conclusion 1 and conclusion 2 follow

40. In each of the following questions, a statement is followed by two courses of action. A course of action is taken for redressal, follow up, etc. Read the statement carefully and choose the correct answer accordingly.

Statement: Arjun has myopia and his power is stable for two years.

Statement I: He should wear spectacles to correct his eyesight.
Statement II: He should undergo a surgery to correct his eyesight.

A Only I follows

B Only II follows

C Both I and II follow

D Either I or II follow

E Neither I nor II follow

41. Kiran is allergic to lactose, so he rejected the milkshake offered by Priya though it was tasty.
Which of the statements can be inferred from the above statement?

A Milkshakes are not healthy

B Priya is not good in making milkshakes

C Milkshakes usually contain lactose

D Kiran don't like milkshakes

E None of these

42. Anwar is a relative of both Biswajeet and Chitti. Chitti is Donna's daughter. Also Donna is Biswajeet's sister. Anupama is Biswajeet's sister. What is Chitti's relationship to Anupama?

- **A** Cousin
- **B** Niece
- **C** Aunt
- **D** Sister
- **E** Mother

43. Although India has traditionally been an importer of crude oil, that trend may soon reverse. Recently, as many as five crude oil ores were discovered in different parts of India and this has resulted in a steady increase in the production of oil. So, it is very likely that India will start exporting oil in the next few years.

Which of the following, if true, would most weaken the above conclusion?

- **A** Government is spending more on green energy generation than on crude oil production
- **B** The per capita consumption of oil in India is higher than the per capita consumption of oil in many of its neighbouring countries
- **C** In India, the rate of oil consumption is rising more quickly than the rate of oil production
- **D** Most of the new houses being constructed in India are using clean energy for their day-to-day functioning
- **E** India has already signed a deal with Bangladesh to become its sole crude oil exporter.

44. In the following question, a statement is given followed by two arguments choose the correct option.
Statement: Four-day workweeks must be made mandatory and would lead to better morale among employees.
Argument I: Yes, four day work weeks must be made mandatory because it would help the employee engage in his/her hobby in the weekend, thereby being rejuvenated for the upcoming work week.
Argument II: No, a four-day workweek would not justify the economic incentives given to the employees, and a reduction in compensation would adversely affect the morale of the employee.

- **A** Only I is strong
- **B** Only II is strong
- **C** Both I and II are strong.
- **D** Neither I nor II is strong.
- **E** Either I or II is strong.

Instructions [45]

Read the following information carefully and answer the questions that follow.
A is sitting to the west of D, D is sitting to the west of E, D is sitting to the north of B and F is sitting to the south of E. B and F are in same line.

45. What is the direction of B with respect to F?

   A   East

   B   West

   C   North

   D   North-East

   E   South

46. Given is a statement followed by two arguments numbered I and II. Consider the statement and the arguments and decide which of the arguments is strong.

Statement: Should the perpetrators of heinous crimes be punished heavily?

Arguments:

I. Yes, because it will act as a deterrent for others.
II. No, because there is no effect on crime rates even after giving severe punishments.

   A   Only argument I is strong

   B   Only argument II is strong

   C   Both arguments I and II are strong

   D   Neither argument I nor II is strong

   E   Either argument I or II is strong

47. Statements:
Some chocolates are biscuits.
All biscuits are burgers.

Conclusions:
1. At least some chocolates are burgers.
2. All burgers being chocolates is possible.

   A   only conclusion 1 follows

   B   only conclusion 2 follows

   C   either 1 or 2 follows

   D   neither 1 nor 2 follows

   E   both 1 and 2 follow

48. Vinay is ranked twenty first in a column of soldiers. There are twice as many soldiers behind him as there were in front of him. What is Vinay's rank in the column from behind?

   A   11

B 40

C 39

D 41

E 36

49. Pointing to a girl Meena (female) said: "She is my brother's daughter's mother."
How is Meena related to her?

A Maternal aunt

B Paternal Aunt

C Sister-in-law

D Sister

E none of these

50. **Cause:** A severe cyclonic storm swept away most of the state during the last two days.
Which of the following cannot be a possible effect of the above cause?

A Govt. orders for the huge amount of relief fund

B Many people were rendered homeless as their houses were flown away

C The communication system of the state was severely affected and continues to be out of gear

D Govt. has ordered that all the offices and schools should be kept closed

E All are possible effects

51. In an encryption, WORRY is coded as XPQSZ and SORRY is coded as TPQSZ. How is CARRY coded in that encryption?

A EBQSZ

B DBQSZ

C CBQSZ

D BBQSZ

E ABQSZ

52. Many editors are of the opinion that e-news offers customers a much better reading experience as compared to newspapers. This is because newspapers often contain a number of ads that tend to clutter the space available for news reports and also waste the time of the reader.

Which of the following, if true, does most to weaken the argument of the editors?

A Internet penetration is very low, so many readers will not get access to e-news

B A lot of e-news companies tie up with advertisers for revenue, so there are generally a lot of ads even in e-news

C There are many websites which offer news reports and other content for free

D A lot of content that appears in e-news also appears in newspapers because both of them have a lot of sources in common

E The internet news is unreliable as it is mainly based on rumours instead of facts.

53. Read the following information carefully and answer the question that follows.

    Instead of giving the tribals the community right as requested by them, the forest department officials came up with a proposal of sanctioning individual rights of two to three cents each, which the tribal turned down.

   Which of the following assumption behind the tribals' decision to turn down the proposal?

    A Individual rights are disadvantageous to tribals.

    B The forest department may lose control over the forest.

    C Tribals consent is necessary for giving individual rights.

    D The forest department is never in favour of the tribals.

    E Community right is more beneficial to the tribals than individual rights.

54. The average height of an adult is 5.9 feet in India, but the average height of an adult in Shimla is 6.2 feet while that in Mumbai is 5.7 feet. If a family with kids moved from Mumbai to Shimla, the children would be expected to have a higher height in future than if the family had remained in Mumbai.
    Which of the following option strengthens the authors argument?

    A Environmental factors and lifestyle that help support increase in height are plentiful in Shimla when compared to those in Mumbai.

    B Location doesn't determine the future height of the kid when he/she turns adult.

    C Last year, kids from Mumbai grew at a faster rate than the kids in Shimla.

    D Kids shifting from Shimla to Mumbai experienced a decrease in the growth rate.

    E 30% of kids who relocate from Mumbai to Shimla experience a significant increase in their height.

55. In the figure given below, which number will replace the question mark (?)
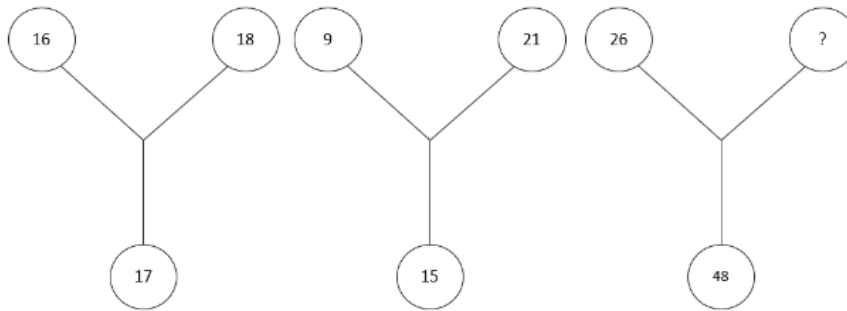
A 70

B 66

C 24

D 80

E 96

56. In Delhi, the number of crimes committed is twice that in Chennai. But, the likelihood of a person being subjected to a crime in these two cities is the same. The media has created an impression that Delhi is relatively more dangerous by focussing more on the crimes committed in Delhi. The reputation of the city is being tarnished because of unwarranted attention given by the media to these crimes. Which of the following statements strengthens the given argument?

A The attention given by the media to crimes has decreased in the last few years.

B The population of Delhi is much higher than that of Chennai.

C Not all crimes in Delhi are widely reported by the media.

D The population of Delhi is comparable to that of Chennai.

E The crimes committed in Delhi are far more gruesome than in Chennai.

Instructions [57 - 60]

Five friends Arun, Bharath, Chandra, Druv and Eman are sitting on a bench facing North.
The following additional information is also known:
i) Bharath is sitting adjacent to Chandra.
ii)Arun is sitting in one of the extreme ends.
iii) Chandra is not sitting to the left of Eman.
iv) There is one person sitting between Arun and Druv.

57. Who is sitting to the immediate left of Chandra ?

A Arun

B Bharath

C Druv

D Eman

E cannot be determined

58. How many different arrangements are possible from the given information ?

    A 1

    B 2

    C 3

    D 4

    E 5

59. If Bharath is not sitting at any of the extreme ends, then who is sitting three places to the right of Arun ?

    A Bharath

    B Chandra

    C Druv

    D Eman

    E cannot be determined

60. The exact positions of how many people can be determined ?

    A 1

    B 2

    C 3

    D 4

    E 5

Instructions [61]

Study the following information carefully and answer the questions given below:

J, K, L, M, N, O, P and Q are sitting around a circular table facing the center but not necessarily in the same order. O is immediate neighbour of both K and Q. Only one person sits between K and J. L and M are neighbours but are not immediate neighbour of Q. Two persons sit between M and P. P does not sit to the immediate right of K.

61. Four of the following five are alike in a certain way and thus from a group. Which is the one that does not belong to that group?

    A JL

    B NQ

    C ML

62. A group of 52 soldiers are standing in a straight row. There 28 soldiers to the left of A and 34 soldiers to the right of B. Find the number of soldiers standing between A and B?

A   8

B   9

C   10

D   11

E   cannot be determined

63. Statements:
All hens are pigeons.
Some pigeons are sparrows.
No sparrow is an eagle.

Conclusions:
1. At least some eagles are pigeons.
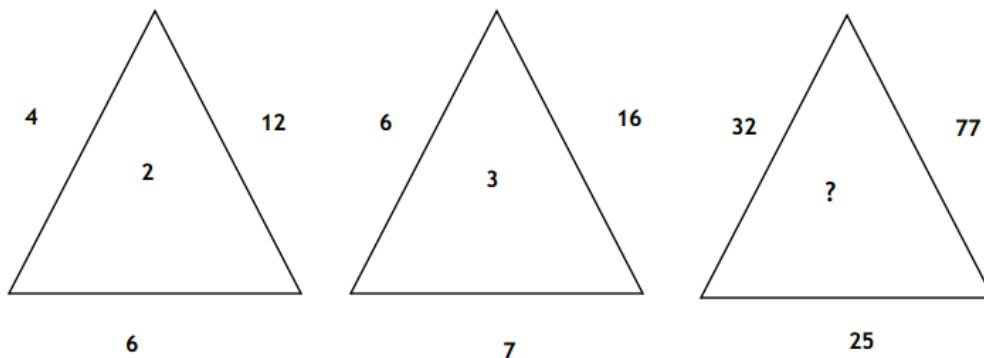2. No eagle is a hen.

A   only conclusion 1 follows

B   only conclusion 2 follows

C   either 1 or 2 follows

D   neither 1 nor 2 follows

E   both 1 and 2 follow

64. Which number should replace the question mark?

A   20

B   70

Instructions [65 - 68]

Study the following information carefully and answer the given questions.

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 : 20 Yellow 12 Green 72 30 Blue Red

Step 1 : 72 Blue 20 Yellow 12 Green 30 Red
Step 2 : 72 Blue 30 Green 20 Yellow 12 Red
Step 3 : 72 Blue 30 Green 20 Red Yellow 12
Step 4 : 72 Blue 30 Green 20 Red 12 Yellow
Step 4 is the last step of this arrangement.

Another input is processed through the same machine

Input : 18 88 Mary Eve 42 10 Jack Adam

65. What is the 4th element from the left, after step 1?

A Eve

B 88

C Mary

D Adam

E 42

66. What is the position of 'Mary' from the right, after step 2?

A 1

B 4

C 5

D 6

E 3

67. What is the difference of the numbers which are adjacent after step 1?

A 8

B 70

C 78

D 32

E   None of the above

68. How many words are there between 88 and 10, after step 2?

A   2

B   1

C   4

D   3

E   0

69. Anil and Mukesh are standing in a queue. Anil's position from the front is 15 and Mukesh's position from the front is 18. If they interchange their positions, Anil's position from behind becomes 15. What is the original position of Anil from behind?

A   17

B   16

C   18

D   15

E   None of the above

Instructions [70]

In each of the next five questions, a statement is followed by two assumptions. An assumption is something supposed or taken for granted. You have to consider the statement to be true even though it may seem untrue in the real life and decide which of the assumptions is implied in the statement.

70. Statement:I know that Ravi would want to come to the stadium if there is a match tonight.
Assumption 1: There could be a match in the stadium tonight.
2: Ravi watched a match in the stadium previously.

A   Only assumption 1 is implicit

B   Only assumption 2 is implicit

C   Either assumption 1 or assumption 2 is implicit

D   Neither assumption 1 nor assumption 2 is implicit

E   Both assumptions 1 and 2 are implicit.

71. Statements: Every office has employees in it.
Conclusions: 1) All employees work in offices.
2) No office has no employees in it.

A Only conclusion 1 follows

B Only conclusion 2 follows

C Either conclusion 1 or conclusion 2 follows

D Neither conclusion 1 nor conclusion 2 follows

E Both conclusion 1 and conclusion 2 follow

72. Varun slammed on the brakes of his car and narrowly avoided an accident with a motorcycle. Which of the following statements can be inferred from the above statement?

A Varun was careless while driving whereas the truck followed all the traffic rules.

B Varun is not at driving.

C If Varun didn't use the brakes of his car, he would have hit the motorcycle.

D Varun hit the motorcycle.

E None of these

Quantitative Skills

73. If x:y=y:z = 3:4, what is $x^2 : y^2 : z^2$

A 9:12:16

B 9:16:25

C 81:144:256

D 81:256:625

E None of these

74. A student is attempting a multiple choice test with 10 questions. As he does not know the answers, he randomly circles different answers. If each of the four options is equally likely, what is the probability that he gets exactly 4 questions correct.

A $^{10}P_4 * 3^6 / 4^{10}$

B $3^6 / 4^{10}$

C $4! * 3^6 / 4^{10}$

D $^{10}C_6 * 3^6/4^{10}$

E $6! * 3^6/4^{10}$

75. In how many ways can we arrange the letters of the word 'EDUCATION' so that the word always starts with a vowel and ends with a consonant?

A 100800

B 5040

C 100600

D 45360

E 54830

76. An inlet I is filling a circular tank of capacity 70 liters with a steady water speed. There are two outlets O1 and O2 out of the tank that remove water from the tank at a steady pace. How long would it take to completely fill the tank with both outlet tanks open?
Statement 1: With the first outlet open and second outlet closed, it would take 20 hours to completely fill the tank
Statement 2: With the first outlet closed and second outlet open, it would take 28 hours to completely fill the tank

A The question can be answered using statement 1 alone and not by using statement 2 alone.

B The question can be answered using either of the statements alone.

C The question can't be answered by either of the statements alone, but can be answered by using both

D The question can't be answered by using both the statements together.

E The question can be answered using statement 2 alone and not by using statement 1 alone.

77. In how many ways can we make 3 necklaces out of 30 identical beads so that each necklace gets at least one bead.

A 406

B 496

C 4060

D 3^{30}

E 30^3

78. 3 times the first of four consecutive even numbers is 6 more than twice the last number. What is the average of the four even integers?

A 13

B 17

C 21

D 23

E 25

79. A person travels a certain distance. If he had moved 1 km/hr faster, then he would have reached 2 hours earlier and if he had moved 1 km/hr slower, then he would have been reached 4 hours later. Find the original speed?

A 1 km/hr

B 2 km/hr

C 3 km/hr

D 4 km/hr

E 5 km/hr

80. In what ratio should Ramu mix water, costing Rs. 10/litre, and milk, costing Rs. 25/litre, so that by selling the solution at Rs. 26/litre he makes a profit of 30%

A 1:2

B 2:3

C 3:2

D 2:1

E 3:4

Instructions [81 - 84]

The pie chart shown below gives the percentage distribution of car sales (in numbers) between five companies - Maruti, Honda, Hyundai, Ford and Tata during the year 2014-2015. The total number of cars sold by the five companies together in 2014-2015 is four hundred thousand.
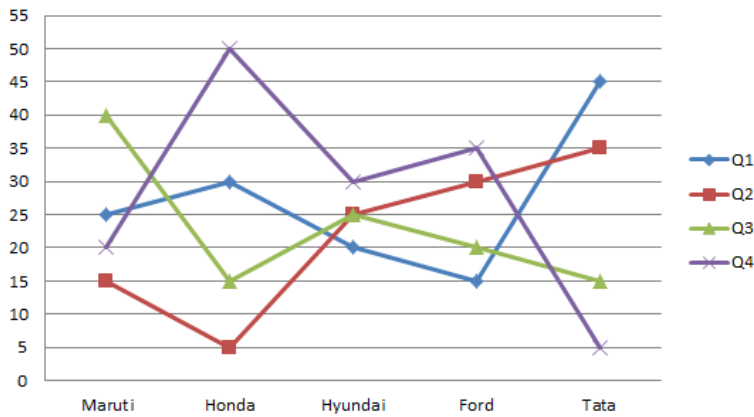
Chart I

■ Maruti ■ Honda ■ Hyundai ■ Ford ■ Tata
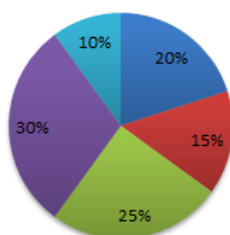
The line graph shown below gives the percentage distribution of the number of cars sold by each of the five companies in the four different Quarters of the year.

Chart II

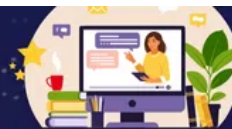**81.** Which company sold the highest number of cars in the second quarter ?

   A Maruti

   B Honda

   C Hyundai

   D Tata

   E Ford

82. What is the ratio of the number of cars sold by Ford in the third quarter and the number of cars sold by Honda in the first quarter ?

   A 1:2

   B 4:3

   C 4:5

   D 1:3

   E 2:3

83. In how many quarters were the number of cars sold by any two companies in that quarter the same?

   A 0

   B 1

   C 2

   D 3

   E 4

84. In how many instances there was a decrease in the number of cars sold in a particular quarter by any company as compared to the previous quarter?
Note: If Maruti sold less number of cars in Q2 compared to Q1, then it is counted as 1 instance

A 5

B 6

C 7

D 8

E 9

85. Find the largest four digit number which leaves a remainder of 11 and 13 when divided by 13 and 15 respectively?

A 9748

B 9988

C 9943

D 9743

E None of these

86. Which of the following statements is false?

A For all X>1, $\log_X X$ =1

B For all X>1, $\log_X 1$ =0

C For all X>Y>1, $\log_Y X$ >$\log_X Y$ >0

D $\log_Y X^2 = (\log_Y X)^2$

E None of these

87. How old will Jagan be on Jan 1st 2015?
Statement 1: Jagan is two years younger than Lokesh and both their ages are prime numbers on Jan 1st 2013.
Statement 2: Jagan's age was a prime number on Jan 1st 2011.

A The question can be answered using statement 1 alone and not by using statement 2 alone.

B The question can be answered using either of the statements alone.

C The question can't be answered by either of the statements alone, but can be answered by using both

D The question can't be answered by using both the statements together.

E The question can be answered using statement 2 alone and not by using statement 1 alone.

88. In a city, fourth fifths of the people have a TV and half the people have a computer. 40% of the people have both. What is the percentage of people who have exactly one of TV and computer?

A 70%

B 60%

C 40%

D 50%

E 55%

89. From a circle of radius 16 cm, four circles of radius 4 cm each are shaded. What is the ratio of the unshaded portion to the shaded portion?

   A 1: 3

   B 2:1

   C 3:1

   D 1:2

   E None of the above

90. If the difference between the roots of $2x^2 - 29x + q = 0$ is 11/2 then find q

   A 45

   B 15

   C 90

   D 75

   E Can't be determined

91. A bar is 80% full on the three days of the weekend and 60% full on the other four days. How full is the bar on average over the course of the week?

   A 68.57%

   B 71.5 %

   C 70%

   D 72.5%

   E None of these

92. If the price of milk goes up by 33.33%, how much should the consumption decrease on a average for the expenditure on it to remain the same?

A 33.33%

B 50%

C 25%

D 20%

E 35%

93. If x-2, 2x-8 and 3x-14 are in geometric progression, find the value of x

A 2

B 3

C 4

D 5

E 6

94. 5 apples and 6 oranges have to be arranged in a line in such a way that no two oranges are adjacent to each other. Each fruit has a spot that makes it unique. In how many different ways can this be done?

A 64800

B 86400

C 48600

D 84600

E Can't be determined

95. The price of an article is hiked up by 25% just before a sale. If the store offers a discount of x% on the marked up price, what is x if the selling price of the article remains unchanged?

A 17.5

B 20

C 25

D 30

E None of the above

96. What is the area of the circle C, with centre at point X?
Statement 1: The circumference of C is 20π sq cm
Statement 2: The length of a tangent to C from point R is 8 cm and XR = 10 cm.

A The question can be answered using statement 1 alone and not by using statement 2 alone.

B The question can be answered using either of the statements alone.

C The question can't be answered by either of the statements alone, but can be answered by using both

D The question can't be answered by using both the statements together.

E The question can be answered using statement 2 alone and not by using statement 1 alone.

97. A bag contains 5 red balls, 3 green balls, 2 black balls and 7 purple balls. If 2 balls are drawn out from the bag at once, find the probability that both of the balls are purple?

A $\frac{19}{136}$

B $\frac{21}{136}$

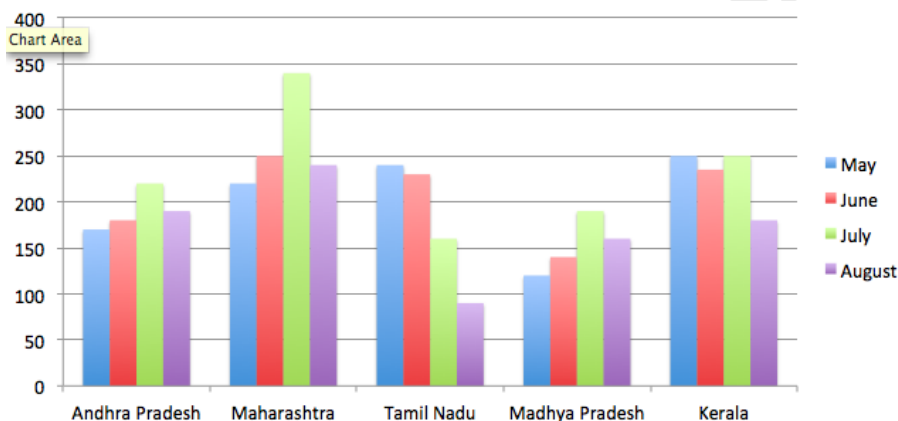**C** $\frac{21}{272}$

D $\frac{39}{236}$

E None of these

Instructions [98 - 101]

The graph represents the amount of rainfall in five states over the months of May-August in cm.

98. Which two states receive the highest and lowest amount of total rainfall?

A Maharashtra and Madhya Pradesh

B Maharashtra and Tamil Nadu

C Maharashtra and Andhra Pradesh

D Kerala and Tamil Nadu

E Andhra Pradesh and Madhya Pradesh

99. Which of the following statements is false?

A The total rainfall in the month of August in these five states is less than 1000cm

B   The rainfall in Maharashtra was greater than that in Andhra Pradesh in each of the four months

C   The rainfall in Kerala was greater than the average of the five states in each of the four months

D   The total rainfall in the month of June in these five states is less than 1000cm

E   The total rainfall in the month of June in these five states is greater than 1500cm

100. Which of the following statements is true?

A   Tamil Nadu is the only state to get more rainfall than Maharashtra in a month

B   In each of the five states the rainfall in August is at least 20% lower than the rainfall in July

C   Madhya Pradesh received less than 750 cm of rainfall

D   The combined rainfall of the five states was highest in June

E   In the month of June, Maharashtra received more than 300 cm rainfall.

101. A year is said to have been a good rainfall year if the amount of rain received in these five states crosses 2000 cm. In which month can we declare the year to be a good rainfall year?

A   May

B   June

C   July

D   August

E   None of these

102. A,B,C,D,E,F,G are seven persons standing in a row not necessarily in the same order. A is standing 5 places away from D. Who is standing in the middle?
Statement 1:The number of persons to the left of B is same as the number of persons to the right of G.
Statement 2:E is 3 places away from B and B is not standing adjacent to F.

A   The question can be answered using statement 1 alone and not by using statement 2 alone.

B   If the question can be answered using either of the statements above.

C   If the question can be answered using both the statements together.

D   If the question cannot be answered even by using both the statements together.

E   The question can be answered using statement 2 alone and not by using statement 1 alone.

103. A and B together can do a piece of work in 40 days, B and C together can do it in 50 days and A and C together can do it in 60 days. Find the number of days in which A alone can do the work.

A   80(4/13) days

B 72(8/13) days

C 98(6/13) days

D 80(9/13) days

E 92(4/13) days

104. Find A?
Statement 1: The LCM of A and 33 is 2211
Statement 2: The HCF of A and 33 is 3

A The question can be answered using statement 1 alone and not by using statement 2 alone.

B The question can be answered using either of the statements alone.

C The question can't be answered by either of the statements alone, but can be answered by using both

D The question can't be answered by using both the statements together.

E The question can be answered using statement 2 alone and not by using statement 1 alone.

105. A milk seller adds 25 l of water to 100 l of milk and sells one fifth of the mixture. He then adds water to make up for the sold quantity. What is the ratio of milk and water in the final mixture?

A 19:6

B 18:7

C 17:8

D 16:9

E 13:11

106. Three boxes contain 10 fruits each. If the number of mangoes in the three boxes is 4, 5 and 6 respectively; find the probability that a fruit picked at random from one of the boxes is a mango?

A 1/3

B 1/5

C 2/5

D 3/5

E 1/2

107. A certain sum of money, compounded annually, becomes Rs. 1000 at the end of two years and Rs. 1210 at the end of four years. What is the rate of interest?

A 11 %

B 10.5%

C 10%

D 1%

E Can't be determined

108. A burglar trying to disarm an alarm system notices that four numbers on the keypad 3,5,6 and 8 have faded more than the others. Guessing these four numbers are part of the 4 digit security key, he tries different combinations to break in. What is the maximum number of attempts he would need?

A 9

B 10

C 23

D 24

E 11

Answers

Language Skills

1.**C**	2.**A**	3.**D**	4.**E**	5.**A**	6.**C**	7.**C**	8.**C**
9.**C**	10.**B**	11.**C**	12.**A**	13.**C**	14.**E**	15.**B**	16.**C**
17.**B**	18.**E**	19.**C**	20.**E**	21.**D**	22.**A**	23.**C**	24.**C**
25.**E**	26.**A**	27.**C**	28.**A**	29.**D**	30.**A**	31.**D**	32.**E**
33.**A**	34.**A**	35.**E**	36.**B**				

Logical Reasoning

37.**C**	38.**D**	39.**B**	40.**D**	41.**C**	42.**B**	43.**C**	44.**C**
45.**B**	46.**A**	47.**E**	48.**D**	49.**C**	50.**E**	51.**B**	52.**B**
53.**E**	54.**A**	55.**A**	56.**B**	57.**E**	58.**B**	59.**A**	60.**C**
61.**C**	62.**C**	63.**D**	64.**A**	65.**C**	66.**E**	67.**D**	68.**D**
69.**C**	70.**A**	71.**B**	72.**C**				

Quantitative Skills

73.**C**	74.**D**	75.**A**	76.**D**	77.**A**	78.**C**	79.**C**	80.**A**
81.**E**	82.**B**	83.**C**	84.**C**	85.**C**	86.**D**	87.**C**	88.**D**
89.**C**	90.**C**	91.**A**	92.**C**	93.**E**	94.**B**	95.**B**	96.**B**
97.**B**	98.**A**	99.**D**	100.**C**	101.**B**	102.**C**	103.**E**	104.**C**
105.**D**	106.**E**	107.**C**	108.**D**				

Explanations

Language Skills

1. C

Span is the length of time for which something lasts.

Duration also has similar meaning.

Hence, duration is the answer.

2. A

Consensus means a general agreement.

Hence, option A is the correct answer.

3. D

'Biggest' is the superlative degree. So, the correct article to be used in the first blank is 'the'. There is no need of an article before India. So, option e) is the correct answer.

4. E

The phrase as used in the sentence is grammatically correct. Hence, no change is required.

5. A

The paragraph considers two cases - one where there are no implements and all citizens die and another case where there are 10 implement s and 900 people die. Statement C should directly precede 2 as these two statements list out the result of having only 10 people with implements to farm. Also, statement D should immediately follow 1 as it states the result of the hypothetical situation with no implements. Statement B should precede A as B states that the second situation is hardly less cruel and A elaborates what the second situation is. Hence, the correct order is DBAC.

6. C

The word alumnus is singular. The plural for this is alumni. So, the correct usage is 'This college has a large number of alumni'. Option c) is the correct answer.

7. C

A window is made of glass and a table is made of wood. So, wood is the correct answer.

8. C

From the first blank, we can infer that missing word means position or level. Hence, only option E fits the first blank. In the second sentence, the missing word means to flatten out. Here also the word level fits in the sentence. Hence, option e.

9. C

Here point blank fits the best.
Point blank means at very close range.

10. B

Parallelism dictates that the two parts of "not only . . but also" should have the same structure. Hence, the right phrasing for the underlined portion is "but also by his lack of punctuality".

11. C

In the passage, the author is describing the various tasks that a person, who wants to be a good teacher, has to do. So, the tone of the passage is descriptive.

12. **A**

Refer to the first paragraph of the passage. "The creation of an excelling tomorrow lies upon the teacher. So the sole job of a teacher is to mould the minds of the future generation." From this, we can understand that the most important job of a teacher is to mould the minds of the future generations.

13. **C**

The meaning of 'upgrade' is 'to elevate'. The opposite of this is 'to reduce' or diminish. So, option c) is the correct answer.

14. **E**

The meaning of 'mould' is 'to shape'. The words that are similar in meaning to this word are 'chisel' and 'sculpt'. So, the answer is e) more than one of the above.

15. **B**

'Preposterous' means 'contrary to reason or common sense; utterly absurd or ridiculous'.
'Tawdry' means 'showy but cheap and of poor quality.'.
'Reasonable' means 'sensible; something which makes sense' which is opposite in meaning to 'preposterous'.
'Ridiculous' and 'ludicrous' have the same meaning as 'preposterous'.
'Uppity' means 'arrogant'.
Hence, option B is the correct answer.

16. **C**

We see a link between 1-C-B where 1 states that there are two political systems C states the first and B states the second. Between B and C we find the order based on the words "according to one" and "according to other". Also, statement A must immediately precede 2 as A states that the third alternative touted is false and 2 elaborates about those who tout it.

17. **B**

Clearly statement B should be after the examples given A, C and D. Hence it should immediately precede 2. Hence option b.

18. **E**

Refer to the part of the passage that talks about the features of Internet TV. We can see that access to social networking sites and streaming video from Netflix are both features of the Internet Ready TV. So, option e) is the correct answer.

19. **C**

Refer to the third paragraph. The compromise that is being talked about is the understanding between Google and Cable and Satellite corporations. So, option c) is the correct answer.

20. **E**

The author talks about Google TV and Internet Ready TV in the passage - the features of both the TVs and their future. But, his opinion about which one is better between the two cannot be inferred from the information given in the passage. So, option e) is the answer.

21. **D**

'To abandon' is 'to reject or discard'. The opposite in meaning to this word is to accept. Option d) is the correct answer.

22. **A**

A piano is used for playing and a keyboard is used for typing. So, the correct answer is option a).

23. **C**

The point of the paragraph is that one should not read books just because they are popular - a lot of poor works get attention for a year or so and can be immensely popular among fools. Hence, c is the most appropriate option.

24. **C**

The sentence before the blank "He had lost all his money." , talks about how Uncle James needed help. Only option C continues on this thought by adding that the only way the couple could help Uncle James was by hosting him in their home. Hence, option C.

25. **E**

The stride that is taken by the industry is something that started in the past and is still true in the present.

So, the tense used must be present perfect.

Present Perfect tense of took is "has taken".

Hence, option E is correct.

26. **A**

We see a link between 1-C-B where 1 states there are a number of effects, C states that only the first is immediately seen and B states that the rest are not seen. 2 discusses the difference between a good and a bad economist - hence A must immediately precede 2. Hence, option a.

27. **C**

Option C is the apt conclusion for the paragraph. Option A is too general and option B is incomplete as it does not take into account the persistence required in achieving the feat. From the paragraph it is clear that even after making the right choice and persisting, there is no guarantee that the women will be attracted to you. Thus option D is also wrong.

28. **A**

The correct word here will be 'found'.

29. **D**

'Cry for the moon' means to ask for the impossible.
Hence, option D is the right choice.

30. **A**

The state's duty is to prevent crime and to support the victim. "To" is always followed by support/prevent, etc and not preventing and supporting.

31. **D**

Action and expired best fit the meaning of the sentence as a whole.

32. **E**

Option a) is wrong because it is mentioned in the passage that Europe, Asia and Africa are looking at China for business. Option b) is wrong because China produces goods that are low in cost as well as high in quality. Similarly, options c) and d) are wrong from the China example. (It produces low-cost high-quality goods). Option e) can be inferred.

33. **A**

The main point that the author is trying to make in the passage is that China has become a major destination for businesses across the world because of its low-cost and high-quality manufacturing as well as its innovative methods. This idea is best captured in option a).

34. **A**

It is mentioned in the passage that China has a say in almost all the goods and not only electronics. It is also mentioned that Europe and Africa are also looking at China for business. So, statements 2 and 3 are wrong. Only statement 1 is the correct statement. So, option a) is the correct answer.

35. **E**

The meaning of 'facilitate' is 'help'. From the options, only e) aid is a synonym of the word. All the other words are antonyms of the given word.

36. **B**

The meaning of the word PERTINENT is "relevant or applicable to a particular matter". Thus the word opposite in meaning is "irrelevant".

Logical Reasoning

37. **C**

2 = (5+3) - (4+2)

1 = (7+6) - (8+4)

Therefore, ? = (9+7)-(5+6) = 5

38. **D**

The basic diagram for the given statements is,
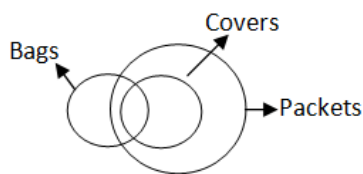
From the above basic diagram,
Conclusion I, affirmative, follows
Conclusion II, negative, does not follow
∴ Only I follows. Choice d

39. **B**

It is given that most of the financial books are expensive.
From this we can conclude that some financial books are inexpensive too.
So conclusion 2 follows.
But we cannot comment anything on non-financial books.
Hence Option B.

40. **D**

Since he has myopia and his power has stabilized he can either use the spectacles or undergo a surgery to correct his vision. Both will have a desirable outcome.
Thus, option D is the correct answer.

41. C

In the statement, it is given that the reason why Kiran rejected milkshake is he is allergic to lactose. This implies milkshake contains lactose.
So, the correct option to choose is C.

42. B

Chitti is Donna's daughter. Since Donna is Biswajeet's sister, Chitti is Biswajeet's niece. Anupama is Biswajeet's sister. So, Chitti is the niece of Anupama as well.

43. C

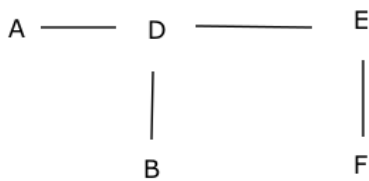If the rate of consumption is more than the rate of production, then it is unlikely that the country will export.
Option c) is the correct answer.

44. C

(C) is the correct answer. Both the arguments justify the statement given in the question, and hence option (c) is the correct answer.

45. B

Based on the given information, the following diagram can be derived.

```
A ——— D ——— E
        |         |
        |         |
        B         F
```

According to this diagram B is sitting to the west of F.
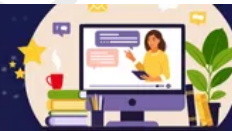
46. A

Severe punishments act as a deterrent and stop others from committing crimes. Argument I is strong. Argument II is weak because to act as a deterrent is not the only reason severe punishments are given. Hence, option A is the correct answer.

47. E

Since some chocolates are biscuits and all biscuits are burgers, it follows that at least some chocolates are burgers.

Consider the following case:
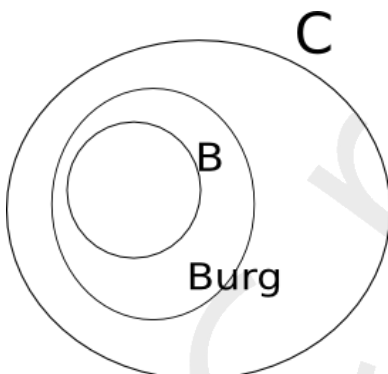
From this we can conclude that conclusion 2 follows.

48. D

The number of soldiers in front of Vinay is 20 and the number of soldiers behind Vinay is 40. So, Vinay's rank from behind equals 41

49. C

Meena's brother's daughter's mother ==>Meena's brother's wife ==> Meena's sister-in-law.
So the correct option to choose is C - Sister-in-law.

50. **E**

A => Government has ordered for the relief fund for the people affected from the flood.

B => Since, cyclone hit the area and many people became homeless

C => Cyclone has been the possible cause of the disruption of telephone lines

D => Because of the cyclone, government orders to keep offices and schools closed

Hence, all of the options are correct. Therefore, option E should be selected.

51. **B**

The code is replacing every alphabet for the next one in the alphabetical series except the middle element which it replaces with the previous alphabet in the alphabetical series.

52. **B**

If there are a lot of ads even in e-news, then the advantage is lost and the argument of the editors is weakened. So, if the statement in option b) is true, then it does most to weaken the editors' argument.

53. **E**

An assumption that individual rights is disadvantageous does not lead to favouring community right does any without assessing whether community right does any good to them or not. Hence, a is not implicit. Choice b could be the worry of the forest department but not an assumption of the tribals based on which they turned down the offer. Choice c could be an assumption of the forest department but not of the tribals. Hence, c is not implicit. Choice d is not in the scope of the statement. It is given that the tribals have asked for community rights while individual rights are offered to them, which they have turned down. This indicates that the tribals are under the assumption that community right is more beneficial to them as compared to the individual rights. Hence, e is implicit. Choice e

54. **A**

According to the author, if the family relocates to Shimla the height of the kids in the future would be greater than if they remained in Mumbai. Thus, the statement which would strengthen the argument must point out the factors which would help the kids be of more height if they stayed in Shimla. Option A points this out by stating the factors which are there in Shimla but not in Mumbai which support the growth in height of kids.
Hence, option A is the correct choice.

55. **A**

In the given Y-figure, the number in the tail of the figure is the average of the other two numbers.

$17 = \frac{16+18}{2}$

$15 = \frac{9+21}{2}$

Thus, in the third figure:

$48 = \frac{26+(?)}{2}$

$(?) = 48 \times 2 - 26$

$(?) = 70$

Hence, the answer is option A.

56. **B**

First, let's understand the information given. Number of crimes in Delhi is twice that in Chennai. The media has focussed more on crimes committed in Delhi than it has on crimes committed in Chennai. Delhi's name is being tarnished because of this unnecessary attention.

Here, the assumption by the author is that the more attention given to crimes in Delhi, compared to that in Chennai, is not unwarranted. So, let's check the options for anything that relates to this.

Media attention for crimes has decreased over the last few years. This does not have any connection with what the author is trying to convey. Hence, option A is wrong.

The population of Delhi is much higher than that of Chennai. The number of crimes in Delhi is twice that in Chennai. If we combine these two statements, then the crime rate in Delhi is comparable to that in Chennai. So, it makes sense to say that the media is unnecessarily focussing on crimes in Delhi. So, option B may be correct.

Option C says that not all crimes are widely reported by the media. It weakens the main argument of the paragraph and hence can be eliminated.

If the population of Delhi is comparable to that of Chennai, then the crime rate in Delhi is twice that in Chennai and therefore it would need more attention by the media. Hence, this option weakens the argument. Therefore, option D is wrong.

Considering option E, if the crimes committed in Delhi are far more gruesome than in Chennai, then it makes sense for the media to give extra attention to them. This weakens the main argument of the author, and is this ruled out.

Hence, option B is the correct answer.

Explanation [57 - 60]:
From sentences ii) and iv) the following two arrangements are possible:
I. A _ D _ _ II. _ _ D _ A
From sentence i) B and C are adjacent, thus E should be present between A and D. Thus, the arrangement becomes
I. A - E - D - B/C - C/B II. B/C - C/A - D - E - A
But from sentence iii) C is sitting to the right of E. Therefore only arrangement I is possible.
Thus, the possible arrangements are :

57. **E**
A - E - D - B - C and A - E - D - C - B
We can see that 2 combinations are possible in which different person is sitting on the left of C. Thus, the answer is cannot be determined.

58. **B**
A - E - D - B - C and A - E - D - C - B.
Therefore a total of two arrangements are possible.

59. **A**
A - E - D - B - C and A - E - D - C - B
Thus, if Bharath is not sitting at the extreme end, then Bharath is the third to the right of Arun.

60. **C**
A - E - D - B - C and A - E - D - C - B
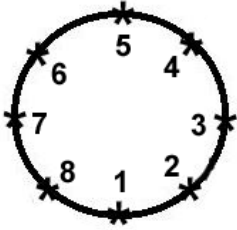The exact positions of Arun, Eman and Druv can be determined. Thus, C is the right choice.

61. **C**
Let's number the positions as shown in the diagram below:

O is immediate neighbour of both K and Q.(given)

So, two cases arise: They are seated in the clockwise direction or they are seated in the anticlockwise direction.

Case 1: K, O and Q are seated in the clockwise direction

Let's assume K is at 3, O is at 2 and Q is at 1.

Only one person sits between K and J(given). So, J should be at 5.

L and M are neighbours but are not immediate neighbour of Q.(given).

So, L and M should be seated at 6 and 7.

Two persons sit between M and P (given)

This is possible if and only if P is at 4 and M is at 7. So, L should be at 6 and N should be at 8.

But, P does not sit to the immediate right of K.(given)

So, this case is not valid.

Let's proceed to case 2.

Case 2: K, O and Q are seated in the anticlockwise direction

Let's assume K is at 1, O is at 2 and Q is at 3.

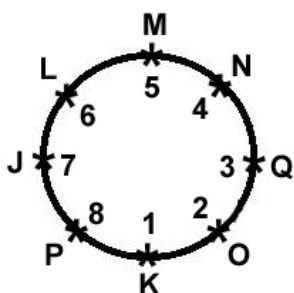Only one person sits between K and J(given). So, J should be at 7.

L and M are neighbours but are not immediate neighbour of Q.(given).

So, L and M should be seated at 5 and 6
Two persons sit between M and P (given).

This is possible if and only if P is at 8 and M is at 5.

So, L should be at 6 and N should be at 4.

Except in ML, in all other the first person is sitting to the immediate right of the second person.
62. **C**
Number of soldiers to the left of B =(total number of soldiers - no. of soldiers to the right of B) - 1 = (52 - 34) - 1 = 17

Usage of minus 1 in the equation - Minus 1 ensures that soldier B is not included while finding the number of soldiers to the left of B.
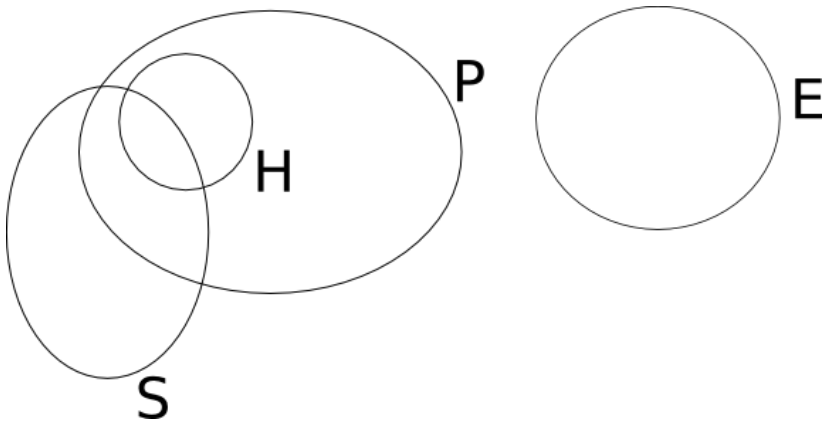
Thus, B stands at the 18th position from the left and A at the 29th
Thus, the number of soldiers between A and B = (rank of a from left - rank of B from left)-1 = (29 - 18) - 1 = 10

Usage of minus 1 in the equation - Minus 1 at the ends ensures that both the soldiers, A and B are not included while counting the number of soldiers between A and B.
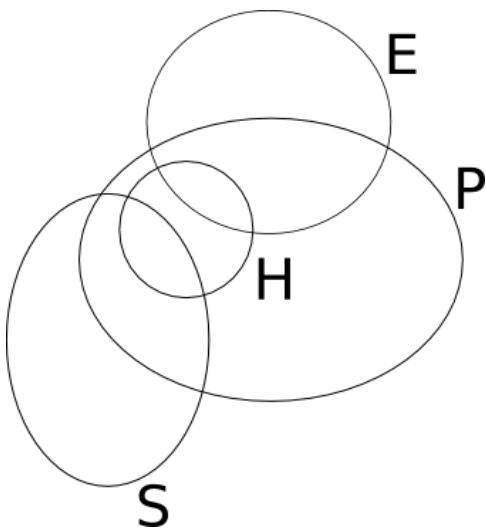
63. **D**

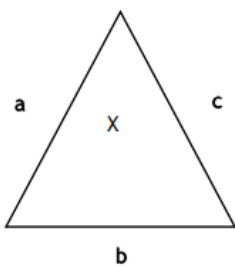Consider the following case:

We can conclude that 1 is not true.

Consider the following case:

From this we can conclude that 2 is not true.

64. **A**

For the above sample figure,

$X = c - (a + b)$

This can be validated from the figures in the question.

For fig (i),

$12 - (6 + 4) = 19$

For fig (ii),

$16 - (7 + 6) = 3$

Let the value of the unknown digit be Y.

Thus, $Y = 77 - (25 + 32)$

$Y = 20$

Thus, the correct option is A.

Explanation [65 - 68]:

If you observe the steps closely, you'll find that, in each step, the largest number and the least word (alphabetical order) are placed adjacent in the left end.

Following the sequence, you'll get :

Step 1 : 88 Adam 18 Mary Eve 42 10 Jack
Step 2 : 88 Adam 42 Eve 18 Mary 10 Jack
Step 3 : 88 Adam 42 Eve 18 Jack Mary 10
Step 4 : 88 Adam 42 Eve 18 Jack 10 Mary

Now, we can answer all questions.

65. **C**

4th element from left, after step 1 is Mary. Hence option c

66. **E**

After step 2 , Mary's position from right is 3. Option e

67. **D**

After step 1, 42 and 10 are adjacent, therefore, difference = 32. Option d

68. **D**

There are 3 words (not numbers) between 88 and 10 after step 2. Option d

69. **C**

The number of people before Anil is 14. The number of people between Anil and Mukesh is 2. The number of people behind Mukesh is 14. So, the position of Anil from behind is 14 (number of people behind Mukesh) + 1 (Mukesh) + 2 (number of people between Anil and Mukesh) + 1 (Anil) = 18

70. **A**

The statement indicates about the possibility of match tonight at the stadium. Since the assumption uses "could", it is implicit. Ravi may not have watched the match previously. Maybe he never watched a match so far and is longing to watch a match.

71. **B**

It is given that every office has employees in it. From this we can conclude that there is no office without employees in it. So conclusion 2 follows.
From the given statement we cannot say that all employees work in offices. Some may work from home too. So conclusion 1 does not follow.
Hence Option A.

72. **C**

From the given statement, only option C could be inferred.

Quantitative Skills

73. **C**

x:y = 3:4 = 9:12

y:z = 3:4 = 12:16

==> x:y:z = 9:12:16

So, $x^2 : y^2 : z^2$ = 81:144:256

74. D

The probability that the event will occur r times in n trials is given by = ${}^nC_r * (p^r) * ((1-p)^{n-r}) = {}^{10}C_4 * (1/4)^4 * (3/4)^6 = {}^{10}C_6 * 3^6/4^{10}$.

75. A

The number of ways of picking a vowel is 5 and the number of ways of picking a consonant is 4.

The remaining 7 letters can be arranged in 7! ways.

Hence, the total number of arrangements is 5*7!*4 = 100800 ways.

76. D

Let I, O1 and O2 be the speeds of the inlet, outlet 1 and outlet 2 taps. Hence total time would be = 70/ (I-O1-O2).
Using Statement 1: I-O1=70/20=3.5.
Hence we cannot determine time by Statement 1 alone.
Using Statement 2: I-O2=70/28=2.5.
Hence we cannot determine by Statement 2 alone.
Combining 1 and 2, we have 3 variables and 2 eqns.
Hence, time required cannot be determined using both the statements together also

77. A

n identical objects in r slots with at least 1 bead each is ${}^{n-1}C_{r-1} = {}^{29}C_2 = 406$

78. C

As the numbers are consecutive even numbers, we can say they are x, x+2, x+4, x+6. So,

3*x = 6 + 2*(x+6). So, x=18.

Average of 18, 20, 22 and 24 is 21

79. C

Let D be the distance, S be the original speed and T be the time taken. Hence, D= ST

Also, D=(S+1)(T-2) => D = ST-2S+T-2 = D-2S+T-2 => 2S = T - 2 ----(1)
D=(S-1)(T+4) => D = ST+4S-T-4 = D + 4S -T -4 => 4S = T+4 ----(2)

Subtracting (1) from (2), we get

2S = 6. Hence, S = 3km/hr

80. A

The selling price of the solution is 26/130% = Rs. 20 If the required ratio is x:1, 10x + 25 = 20*(x+1) or x=1/2

81. E

The data given in the pie chart and the line chart can be tabulated into the following table (Data is in 000's) :

Product	Revenue				Total
	Q1	Q2	Q3	Q4	
Maruti	20	12	32	16	80
Honda	18	3	9	30	60
Hyundai	20	25	25	30	100
Ford	18	36	24	42	120
Tata	18	14	6	2	40

From the table, we can see that Ford sold the highest number of cars in the second quarter.

82. **B**

The data given in the pie chart and the line chart can be tabulated into the following table (Data is in 000's) :

Product	Revenue				Total
	Q1	Q2	Q3	Q4	
Maruti	20	12	32	16	80
Honda	18	3	9	30	60
Hyundai	20	25	25	30	100
Ford	18	36	24	42	120
Tata	18	14	6	2	40

From the table, the no. of cars sold by ford in the third quarter to no. of cars sold by Honda in the first quarter = 24:18 = 4:3

83. **C**

The data given in the pie chart and the line chart can be tabulated into the following table (Data is in 000's) :

Product	Revenue				Total
	Q1	Q2	Q3	Q4	
Maruti	20	12	32	16	80
Honda	18	3	9	30	60
Hyundai	20	25	25	30	100
Ford	18	36	24	42	120
Tata	18	14	6	2	40

We can see that in Q1 and Q4 there are companies which sold equal number of cars. Thus, C is the right choice.

84. **C**

The data given in the pie chart and the line chart can be tabulated into the following table (Data is in 000's) :

Product	Revenue				Total
	Q1	Q2	Q3	Q4	
Maruti	20	12	32	16	80
Honda	18	3	9	30	60
Hyundai	20	25	25	30	100
Ford	18	36	24	42	120
Tata	18	14	6	2	40

From the table, we can see that there are seven instances where the number of cars sold by a company in a quarter is less compared to the previous quarter.

85. **C**

The required number is of the form K*LCM(13,15) - 2 where K is an integer.
So, the required number is the maximum four digit number of the form 195K-2 which is 9943

86. **D**

$\log_Y X$ > 1 (Since X > Y) $\log_X Y$ < 1 (Since Y< X) $\log_Y X, \log_X Y$ > 0 (Since X and Y are > 1)

Option D is incorrect.

87. **C**

The question can't be answered by using only one of the two Statements given.
Using both the statements together, if Jagan is aged x in 2013, we can conclude that x-2, x and x+2 are prime. This is true only for the set {3, 5, 7}.
So, x is 5 and Jagan will be aged 7 on Jan 1st 2015.
Hence, the question can be answered using both the statements together.

88. **D**

Percentage of people with only TV is 80% - 40% = 40% Percentage of people with only computer is 50%-40% = 10%. So, total is 10%+40% = 50%

89. **C**

Total area = $\pi*16*16 = 256\pi$.

Area of shaded region = $4*\pi*4*4 = 64\pi$.

So, the required ratio is = (256-64):64 = 3:1

90. **C**

The sum of the roots a+b = 29/2.

The difference (say a is the numerically larger root) a - b = 11/2. Hence 2 a = 20 .

Therefore, a=10, b=4.5. Hence product of roots = 45 = q/2. Hence q=90

91. **A**

Weighted Average = $(3/7) * 80\%$ + $(4/7) * 60\%$ = 68.5%

Alternate Explanation:

Assuming the bar capacity is 100.

Then for first 3 days, the total number of people = 3*80 = 240

For the last 4 days, the total number of people = 4*60 = 240

So, the average = (240+240)/7 = 68.57

92. **C**

Let P and V be the initial price and volume of milk.

Let the new volume be V'.

Hence, P * V = (4 P /3) * V'.

Thus, V'=(3/4)V.

Hence, the consumption of milk should decrease by 25%.

93. **E**

For any value of x; x-2, 2x-8 and 3x-14 are in arithmetic progression. Given that, they are in geometric progression as well, it means that all three terms are equal to each other. So, x-2 = 2x-8 or x=6

94. **B**

First the apples can be arranged in 5! ways. There are six spots to arrange the oranges in between the apples so they are not adjacent to each other. This can be done in 6! ways. So, the answer is 5! * 6! = 86400

95. **B**

Let 'a' be the original price.

Hence, a*(1.25)*(1-x%)=a.

So, 1-x%=1/1.25=0.8.

Or, x=20.

96. **B**

Using Statement 1, radius of the circle is 10 cm and using Statement 2, radius of the circle is 6 cm.

Hence, the area can be found out using either of the two statements

97. **B**

We have to find the probability that both the balls are purple in colour.

The total number of balls is 17. Hence, the number of ways of picking two balls from it is $^{17}C_2$

The number of ways of picking two purple balls from 7 purple balls is $^{7}C_2$

Hence, the probability = $\frac{^{7}C_2}{^{17}C_2} = \frac{6*7}{16*17} = \frac{21}{136}$

98. **A**

Maharashtra is the highest with 1050cm and MP is lowest with 610cm.

99. **D**

The total rainfall in June is 1035 cm, hence d) is false

100. **C**

Madhya Pradesh received only 610 cm of rainfall, hence C is true.

101. **B**

The sum of rainfall of May and June is 2035 and hence the threshold is first crossed in June.

102. **C**

From the given information we get 3 possibilities
A _ _ _ _ _ D _ , D _ _ _ _ _ A _ , _ A _ _ _ _ D , _ D _ _ _ _ A
Using Statement 1 we cannot infer about the person who is standing in the middle.
Using Statement 2, we get some arrangements which is not sufficient to determine the person in the middle.
But on combining both the statements, we get the following arrangement: AEGHBDF , DEGHBAF , FABHGED. In all the cases H is sitting in the middle.

103. **E**

Let the work done by A, B, and C per day be A, B, and C, respectively.

Also, let the total work to be done be LCM of (40, 50, 60) units = 600 units.

Since A and B completed this task in 40 days,

The amount of work done by them per day = A + B = 600/40 = 15 units.......(i)

Similarly, B + C = 12 units......(ii)

And, C + A = 10 units......(iii)

From equations (i) and (ii),

A - C = 3

Thus, A = C + 3.....(iv)

Putting the value of A in equation (iii),

C + C + 3 = 10

Thus, C = 7/2

Thus, A = 13/2

The time taken by A to complete the work = 600/(13/2) = 92(4/13) days

The correct option is A.

104. **C**

The product of two numbers is equal to the product of their HCF and LCM.
So, $A * 33 = LCM * HCF = 2211 * 3$.
Hence, $A = 201$
Using both statements together we can find A

105. **D**

Initially total mixture had 80% milk and 20% water ($100l$ of milk and $25l$ of water)

Of that $25l$ is sold.

Remaining mixture consists $80l$ of milk and $20l$ of water.

$25l$ of water is again added to this mixture.

That makes the final mixture as $80l$ of milk and $45l$ of water.

The required ratio = 80:45 = 16:9.

106. **E**
The probability is 1/3*4/10 + 1/3*5/10 + 1/3*6/10 = 1/2

107. **C**
$P(1+r)^2$ = 1000 and $P(1+r)^4$ = 1210. So, $(1+r)^2$ = 1.21. r=10%

108. **D**
The four numbers can be arranged in 4! ways=24 ways. Hence there are 24 possible pin numbers and the thief would need a maximum of 24 tries.