

MANAGEMENT APTITUDE TEST (MAT) Mock Test

Paper- 2

Part A: English Language

PASSAGE 1 (Directions for Q1 -Q4):

During the Second Industrial Revolution, there was a manifold increase in food production which was possible through the use of new agricultural implements and of a host of chemicals as fertilizers, pesticides, insecticides and fungicides. They could get agricultural products throughout the year without major fluctuations in price. Improvements in transport made possible, and increasingly faster, the movement of vast quantities of goods and of people from one place to another. New means of communication, which started with the introduction of postal system, soon improved with the introduction of telegraph, telephone and wireless. With the coming of radar and satellite, communication became faster. Better health and increase in the life-span of human beings were possible due to the improved nutrition, health and sanitation facilities. Physicians now use various complex and sophisticated machines to obtain detailed information about the human body. A large number of problems had to be solved and various kinds of equipment invented before it became possible for humans, for example, to land and walk on the surface of the moon or to transplant the heart.

In the twentieth century, different household appliances and gadgets like the sewing-machine, refrigerator, deep-freezer, cooking-gas, oven, stove, washing-machine, drying-machine, dish-washer, pressure cooker, mixer-grinder, and floor cleaner have made it possible to relieve human beings from drudgery and create longer hours of leisure. The coming of motion picture, radio and TV has opened up new means of entertainment. The development of the newsprint, paper and printing technology, together with photography and sound engineering, have opened up a new area of communication which has the potentiality to remove illiteracy and expand the scope of education.

Q1. How did the improved storage facility help the farmer and the consumer?

- (a) Farmers could now store more agricultural implements and chemicals and the consumers could get cheaper products.
- (b) Farmers could now produce surplus crop without the fear of spoiling it and the consumer could get cheaper products throughout the year.
- (c) Farmers could enjoy more free time because of enough food to eat and the consumer could do some trade in agricultural products besides consuming them.
- (d) Farmers could get better price for their product and the consumer could get a constant supply of grains throughout the year.

Q2. What does the writer mean by 'without major fluctuations in price'?

- (a) The prices of agricultural products remained constant without any change throughout the year.

- (b) The prices of agricultural products change repeatedly throughout the year.
- (c) The prices of agricultural products did not change much because of storage facility during the year.
- (d) The prices of agricultural products were never constant at any point of time during the year.

Q3. What does the writer mean by 'sophisticated machines'?

- (a) Outdated machines
- (b) New machines
- (c) Machines easy to operate
- (d) Modern and complex machines

Q4. The writer talks about a lot of progress and development resulting in a lot of comfort. What was the basic source of all these?

- (a) The Second Industrial Revolution
- (b) The First Industrial Revolution
- (c) The development in science and technology
- (d) The coming of new implements, chemicals and gadgets

PASSAGE 2 (Directions for Q5 -Q8):

Are the 1980s and 1990s the era of colour? According to some people, they are. Now you can buy radios and electric fans in lavender and pink. Restaurants have an emphasis on flowers and colourful plates. Cars are coming out in pink and aqua. Even bathroom fixtures are being made in 'honeydew' and 'blond'. Part of the importance of the colour of an object is that the colour affects the way one feels about it. You want a vacuum cleaner to look light and easy, which is why it may be coloured in pastels and light colours. But gardening equipment you want to look powerful. You would never find a lawn mower in pink, but red would be fine. Not very long ago, sheets were always white and refrigerators commonly came in colours like 'old gold', 'avocado green' and 'coppertone'. Now those are thought of as old-fashioned. Popular colours change because fashion influences everything. In fact, new colours often spring from the fashion industry. It's a lot cheaper to make a blouse or skirt than a sofa. After people get used to seeing new colours on clothing or towels, they are ready to accept those colours in carpeting, refrigerators, or cars. Colour-analysis consultants have been very successful in recent years. People want to choose the most flattering colours for make up and clothing. Some car designers are even saying that people may begin buying cars of the colour that goes with their skin colouring. This sounds too extreme. It's hard to believe that people are that impressionable!

Q5. The main subject of the passage is:

- (a) Popular colours today
- (b) Colour consultants
- (c) The influence of colour
- (d) Colours that flatter people

Q6. The word 'era' in line 1 could best be replaced by which of the following words?

- (a) Season
- (b) Age
- (c) Epic
- (d) Generation

Q7. According to the author which of the following is not popular now?

- (a) Coppertone (b) Colourful cars
(c) Pastels (d) Colourful bathroom fixtures

Q8. According to the author, why would red be a good colour for a lawn mower?

- (a) Because it is strong (b) Because it is cheap
(c) Because it is light (d) Because it is pastel



PASSAGE 3 (Directions for Q9 -Q12):

One of the most remarkable features of 2050 will be that most of the 1960 babies will still be alive. Why do I think that more than 50 per cent of the 'boom babies' will survive to age 90 when today only 18 per cent do? Because of a biomedical revolution which is under way.

Tropical agriculture, which will open to the world many billions of acres of land currently unusable. This requires development of fundamentally new farming techniques that utilize the patterns of heat and rain to advantage.

In the last 20 years spectacular and unexpected changes have been taking place. Deaths from major cardiovascular diseases have dropped 20 per cent; hypertensive deaths by two-thirds; stroke deaths by 20 per cent and death due to rheumatic heart disease by 50 per cent. Recent availability of drugs which offer control of hypertension explain part of the improvement, but not all. Whatever the reasons—availability of antibiotics, better health care, attention to diet, jogging, exercise—the effects in the United States are clear-cut and lasting.

It is also possible that by the middle of the 21st century some progress will have been made towards extending the human life span beyond 110 years.

But increased longevity and improved health are likely to have several drawbacks:

World population will be larger than it might have been. The most optimistic forecasts of demographers would place world population in 2050 at about 10,000 million (as compared to our current 4,200 million); with increased longevity, population is likely to be about 12,000-13,000 million.

Low birth rate and increased longevity combine to raise the average age of the population. In 1980 it was 30.1 years in the United States; by 2050 it will be almost 40.

There is likely to be a period of difficult social adjustment as longevity increases. For example, most pension funds and annuities in the United States have been computed on the basis of higher death rates than we will achieve. This means that the funds will be paying out longer than expected, and this extra burden, added to other problems of pension funds, will undoubtedly put additional strains on them in the 1990s and early in the next century.

With these 12,000-13,000 million people, the world of 2050 is apt to be much smaller than it is now: less space per person, more rapid spread of ideas through instantaneous, inundating media.

On the 'up' side are nascent technologies and infrastructural changes which improve distribution, reduce spoilage, bring new foods into wide use, improve productivity and increase the amount of arable acreage under cultivation. There is a really good chance that huge increases in food production can come from such developments as:

- New plant varieties, obtained through genetic engineering, which are photosynthetically efficient, use less water and tend to be self-fertilizing;
- Improved uses of the ocean, including domestication of sea animals and aquaculture.

Q9. What, out of the following, does not prompt the author to believe that 'more than 50 per cent of the boom babies will survive to age 90'?

- (a) The discovery of a vaccine against AIDS and swine flu.
- (b) A drastic fall in deaths from cardiovascular diseases, hypertension, stroke, rheumatic

heart disease etc.

- (c) Availability of antibiotics and drugs against hypertension.
- (d) Better healthcare, attention to diet, jogging, exercise.

Q10. What, out of the following, can expand longevity beyond 110 years?

- (a) World population will be larger than it might have been.
- (b) Low birthrate and increased longevity will raise the average age from 30 to 40 by the year 2050.
- (c) A fall in death rate will directly affect the average age of people.
- (d) In addition to the progress already made in the biomedical field, more progress will have been made by the year 2050.

Q11. Which one of the following is not a drawback of increased longevity and improved health?

- (a) World population will be larger than it might have been.
- (b) There will be some social maladjustment.
- (c) There will be some financial implications also.
- (d) By 2050 the average age of the population of the United States will be almost doubled as compared to the same in 1980.

Q12. If there is no increase in longevity, what will be the population like in accordance to the present trend of rise of population and its control?

- (a) About 10,000 million (b) About 4,200 million
- (c) About 6,000 million (d) About 12,000-13,000 million

Directions (Q13 -Q15): Fill in the blanks with the most appropriate word pair.

Q13. In the old system of education when they used to say 'spare the rod and spoil the child', they tried to motivate students by _____ and forgot that it brought _____ and killed enquiry and exploration.

- (a) punishing.... satisfaction (b) forcing.... learning
- (c) inspiring.... following (d) intimidation.... conformity

Q14. The debator at the court of Vikramaditya had some _____ arguments in his _____ which he used very rarely. He used them only when he found his opponent too strong to defeat with his usual set of arguments.

- (a) magnificent.... walle (b) awkward.... mind
- (c) unusual.... box (d) invincible..... repertoire

Q15. In order to _____ the sense of sight he made it his rule to walk in the street with downcast eyes, _____ neither to right nor to left and never behind him.

- (a) gratify.... glancing (b) satisfy.... moving

(c) deprive.... tilting (d) mortify.... glancing

Directions (Q16 -Q19): Choose the correct order of the sentences marked A, B, C, D and E to form a coherent paragraph.

- Q16. A. It reveals the sensitivity, foresight and refinement of Indian culture.
B. From ancient times, Indians have worshipped plants and trees and regarded them sacred.
C. Modern westernised man often works to conquer nature.
D. This is not an old fashioned or uncivilised practice.
E. But ancient Indians worshipped her.

(a) (b)
EDACB ABCDE

- Q17. A. The platform at the end of it was decorated with showy draping of flags.
B. The town hall had never looked finer.
C. All this was done to impress the stranger who would turn up soon with his retinue.
D. The house was full; the 412 fixed seats were occupied.
E. The gallery fronts were also adorned with fresh garden flowers.

(a) (b)
BDCAE BAECD

- Q18. A. This knowledge of himself helps a man to be courageous.
B. Socrates taught that the man who is master of himself is truly free.
C. The courageous man has a very important sort of freedom from fear.
D. By being master of oneself he meant knowing oneself one's weaknesses and strengths without any pretence and being vain and with full control of oneself.
E. Socrates himself practised this fearlessness of mind and freedom by teaching what he felt right.

(a) (b)
BDACE EBDCA

- Q19. A. But the other, bolder one hopped off.
B. When I looked down again both the parrots had come out; one lingered about the cage, ready to enter the cage in case there would be a danger.
C. It must have been surprised at this sudden freedom as it stopped hopping and looked dazed.
D. We—I and my sister watched this dilemma of sudden freedom with delight.
E. The next minute the parrots were gone.

(a) (b)
ABEDC BACDE
(c) (d)
BAEDC DBCEA

Directions (Q20 -Q23): In each of these questions, choose the option that best captures the essence of the text.

Q20. When the next full scale global financial crisis hits, let it not be said that the International Monetary Fund never took a stab at forestalling it. Recently, the IMF proposed a new global tax on financial institutions loosely in proportion to their size, as well as a tax on banks profits and bonuses .

- (a) The IMF has proposed a new global tax on financial institutions and banks in an attempt to forestall future financial crises.
- (b) The IMF's new global tax on financial institutions' and bank's will prevent future financial crises.
- (c) The IMF has proposed a new global tax on financial institutions and banks which will forestall financial crises.
- (d) The IMF has proposed a tax on financial institutions and banks profits and bonuses that will prevent financial crises.

Q21. Russia and the United States have signed a new strategic nuclear-arms reduction treaty. Officially, the treaty cuts their weapons by one third; in fact, each party, will decommission only several dozens. Nevertheless, the treaty is a considerable achievement. It normalises political relations between the two countries, thereby facilitating their further cooperations and rapprochement.

- (a) The new strategic arms reduction treaty signed between Russia and the United States may facilitate further cooperations between them.
- (b) The new strategic arms reduction treaty signed between Russia and the United States may lead to cordial relations between them.
- (c) Russia and the United States have signed a strategic nuclear-arms reduction treaty to reduce weapons by one third.
- (d) Russia and the United States have signed a new strategic nuclear, arms reduction treaty which normalises political relations between the two countries.

Q22. A severe food crisis currently threatens southern Sudan. In East Africa, where millions of people already are dependent on food aid, a sharp rise in the cost of staple crops looms. These are just the latest sources of concern in a turbulent period that began two years ago when food shortages hit many countries in Africa and Asia due to a worldwide spike in prices. Higher food prices meant that poor people, already struggling to meet basic human needs, were pushed deeper into poverty.

- (a) An impending food crisis looms over southern Sudan where higher food prices have pushed people deeper into poverty.
- (b) The food crisis in Africa and Asia, especially in southern Sudan already struggling under food shortages, higher prices, and poverty may worsen owing to further a rise in the cost of staple crops.
- (c) As many countries in Africa and Asia are experiencing prolonged food shortages, an

impending food crisis threatens Sudan due to a rise in the cost of staple crops.

(d) The food crisis in Africa and Asia already struggling under food shortages, higher prices, and poverty may worsen owing to further a rise in the cost of staple crops.

Q23. For millennia, remembering information was costly and time consuming, and to forget was a natural part of being human. In the digital age, the opposite is true; cheap computer storage, powerful processors, and ubiquitous Internet access have made remembering the norm. Consider this: we tend to retain our rough drafts, years of e-mail traffic, and thousands of ghastly digital snapshots on our hard drives, not because we have decided that they are worth remembering, but because keeping them is now the default way of doing things. By contrast, deciding what to delete is costly. It actually requires much more time and effort to shed data than to keep it.

(a) Since the digital age has made retaining information cheap and effortless, we have left behind our natural habit of remembering.

(b) Since the digital age has made storage of data cheap and easy, we now store large amounts of information even if it is worthless.

(c) Remembering is no more costly and time consuming in the digital age; hence, we store large amounts of worthless information.

(d) The digital age has made it possible to retain large amounts of data cheaply and easily hence we remember more unlike in the past.

Directions (Q24 -Q26): Choose the option which gives the best way of writing the sentence ensuring that the message is correctly conveyed as the given sentence.

Q24. No officer had ought to be put into a situation where he has to choose between his love for his family and the responsibilities accompanying his duty.

(a) No officer has ought to be put into a situation in which he has to choose between his love for his family and the responsibilities accompanying his duty.

(b) No officer had ought to be put into a situation where he has to choose between his love for his family and the responsibilities accompanying his duty.

(c) No officer should to be put into a situation where he has to choose between his love for his family and the responsibilities accompanying his duty.

(d) No officer ought to be put into a situation in which he has to choose between his love for his family and the responsibilities accompanying his duty.

Q25. Being a realist, the detective could not accept the statement of the accused that UFOs had caused the disturbance.

(a) Since he was a realist, the detective could not accept the statement of the accused that UFOs has caused the disturbance.

(b) Being a realist, the detective could not accept the statement of the accused that UFOs had caused the disturbances.

- (c) Being that he was a realist, the detective could not accept the statement of the accused that UFOs had caused the disturbance.
- (d) Realist that he was, the detective could not accept the statement of the accused that UFOs had caused the disturbance.

Q26. Ever since the sting operation, there has been much opposition from they who maintain that it was an unauthorised act.

- (a) Ever since the sting operation, there has been much opposition from they who maintain that it has been an unauthorised act.
- (b) Ever since the sting operation, there has been much opposition from they who maintain that it was an unauthorised act.
- (c) Ever since the sting operation, there has been much opposition from those who maintain that it was an unauthorised act.
- (d) Ever since the sting operation, there has been much opposition from those maintaining that it was an unauthorised act.

Directions (Q27 -Q28): Rearrange the following jumbled word and select the word which is opposite in meaning to the rearranged word.

Q27. TAUOTSYALR

- (a) Sad (b) Valedictory
- (c) Derivative (d) Promising

Q28. LYISGR

- (a) Fragrant (b) Haggard
- (c) Pleasant (d) Shapely

Directions (Q29 -Q30): A sentence has been broken into four parts with an error in one of the parts. Identify the part that has an error.

Q29. Identify the error in the sentence:

- (a) The time has came for policy makers
- (b) In India to understand the damage
- (c) Which is caused as a result of
- (d) a vast gap in perception and reality.

Q30. Identify the error in the sentence:

- (a) The perception of security
- (b) held by the power elites
- (c) tend to ignore the basic reality that
- (d) contradictions of civil society have grown since nuclear explosion.

Part B: Intelligence and Critical Reasoning

Directions (Q31 -Q33): In a business school, four students Dinakaran, Sumit, Tarun and Amul exhibit a very strange mix of hobbies and subject interests. One of them studies Commerce and plays Golf and Lawn Tennis. Dinakaran and Sumit study Psychology. Dinakaran plays Billiards. Both the Psychology students play Chess. Tarun is a student of Physics. The Physics student plays Chess and Badminton. All the friends play two games each and study one subject each. One of the students also does Weight Training.

Q31. Who does not play Chess?

- (a) Dinakaran (b) Sumit
(c) Tarun (d) Amul

Q32. Who studies Psychology and plays Billiards?

- (a) Dinakaran (b) Sumit
(c) Tarun (d) Amul

Q33. How many games are played and subjects studied by all the four students?

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

Directions (Q34 -Q36): Five friends A, B, C, D and E are sitting on a bench and wearing different colours shirt, i.e., blue, red, yellow, white and green (not necessarily in this order).

- I. A is sitting next to B and wearing red shirt.
II. C is sitting next to D and not wearing either blue or green shirt.
III. D is not sitting with E and E is wearing blue shirt.
IV. E is on the left end of the bench.
V. C is at the second position from the right end.
VI. A is on the right of B and E.
VII. B is wearing green shirt.
VIII. A and C are sitting together.
IX. D is not wearing white shirt.

Q34. Where is A sitting?

- (a) Between B and D (b) Between D and C
(c) Between B and C
(d) Between E and D

Q35. What is the colour of C's shirt?

- (a) Blue (b) Red

- (c) White (d) Yellow

Q36. Who is sitting in the centre?

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

Directions (Q37 -Q40): Each of these questions has an Assertion (A) and Reason (R).

Give Answer:

- (a) If both (A) and (R) are true and (R) is the correct explanation of (A)
(b) If both (A) and (R) are true but (R) is not the correct explanation of (A)
(c) If (A) is true but (R) is false
(d) If (A) is false but (R) is true

Q37. Assertion (A): In India, the judiciary is independent of the executive.

Reason (R): Judiciary favours the government and helps in the implementation of its plans.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A)
(b) Both (A) and (R) are true but (R) is not the correct explanation of (A)
(c) (A) is true but (R) is false
(d) (A) is false but (R) is true

Q38. Assertion (A): Increase in carbon dioxide would melt polar ice.

Reason (R): Global temperature would rise.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A)
(b) Both (A) and (R) are true but (R) is not the correct explanation of (A)
(c) (A) is true but (R) is false
(d) (A) is false but (R) is true

Q39. Assertion (A): Food materials should not be soaked in water for a long time.

Reason (R): Washing leads to loss of Vitamin A and Vitamin D from the foodstuff.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A)
(b) Both (A) and (R) are true but (R) is not the correct explanation of (A)
(c) (A) is true but (R) is false
(d) (A) is false but (R) is true

Q40. Assertion (A): Earthworms are not good for agriculture.

Reason (R): Earthworms break down the soil into fine particles and make it soft.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A)
(b) Both (A) and (R) are true but (R) is not the correct explanation of (A)
(c) (A) is true but (R) is false
(d) (A) is false but (R) is true

Directions (Q41 -Q43): The age and height of six children in a class are as follows:

- I. Amit is taller and older than Tanu but shorter and younger than Shruti.
- II. Bharat is taller than Chander who is not as tall as Tanu.
- III. The oldest is the shortest.
- IV. The youngest would be fourth if the children stood in a line according to their height and one started counting from the tallest.
- V. Bharat is younger than Ritu but older than Chander who is older than Shruti.

Q41. Who among them is the tallest?

- (a) Tanu (b) Chander
- (c) Shruti (d) Data inadequate

Q42. Who is older than Tanu but younger than Shruti?

- (a) Ritu (b) Bharat
- (c) Amit (d) Data inadequate

Q43. Which of the following statements is definitely true?

- (a) Bharat is the oldest person (b) Tanu has the maximum height
- (c) Amit is older than Bharat (d) Ritu is the shortest

Q44. Five people A, B, C, D and E are seated about a round table. Every chair is spaced equidistant from adjacent chairs.

1. C is seated next to A.

2. A is seated two seats from D.

3. B is not seated next to A.

Which of the following must be true?

I. D is seated next to B.

II. E is seated next to A.

Select the correct answer from the codes given below.

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

Q45. Sheela is Ravi's sister-in-law. Ram is Ravi's brother. Ram's wife is Sheela. Deepa is Ravi's sister. Deepa's mother is Shanthi. How is Sheela related to Shanthi?

- (a) Mother-in-law (b) Daughter-in-law
- (c) Granddaughter (d) Daughter

Q46. Pointing to a gentleman, Deepak said, 'His only brother is the father of my daughter's father.' How is the gentleman related to Deepak?

- (a) Father (b) Grandfather
- (c) Brother-in-law (d) Uncle

Q47. If Neha says, 'Amruta's father Raj is the only son of my father-in-law Mahesh.' Then, how Bindu, who is the sister of Amruta is related to Mahesh?

- (a) Daughter (b) Granddaughter
(c) Daughter-in-law (d) Niece

Q48. Pratap starts from school and walks 7 km towards East. He takes a left turn and walks 4 km, then takes a right turn and walks 2 km, again takes a right turn and walks 3 km. Which direction is he facing now?

- (a) South (b) North
(c) East (d) West

Q49. John's house is 100 m North of his uncle's office. His uncle's house is located 200 m West of his (uncle's) office. Kabir is the friend of John and he stays 100 m East of John's house. The office of Kabir is located 100 m South of his house. Then, how far is his uncle's house from Kabir's office?

- (a) 200 m (b) 300 m
(c) 400 m (d) 500 m

Q50. The day before the day before yesterday is three days after Saturday. What day is it to day?

- (a) Tuesday (b) Wednesday
(c) Thursday (d) Friday

Directions (Q51 -Q53): In each question, two Statements I and II are provided. These may have a cause and effect relationship or may have independent causes or be the effects of independent causes. Mark your answer as:

- (a) If Statement I is the cause and Statement II is its effect
(b) If Statement II is the cause and Statement I is its effect
(c) If both the Statements I and II are effects of independent causes
(d) If both the Statements I and II are effects of some common cause

Q51. I. The capital city is facing a huge crisis of drinking water.

II. The Chief Minister of Delhi has ordered the Delhi Jal Board to increase the number of tankers to curb the problem of drinking water.

- (a) Statement I is the cause and Statement II is its effect
(b) Statement II is the cause and Statement I is its effect
(c) Both Statements I and II are effects of independent causes

Q52. I. The NGT (National Green Tribunal) has banned diesel vehicles more than 10 years old in Delhi.
(d) Both Statements I and II are effects of some common cause

II. The air of Delhi is highly polluted.

(a) Statement I is the cause and Statement II is its effect

(b) Statement II is the cause and Statement I is its effect

Q53. I. The Prime Minister of India is focussing on the 'Make in India' Mission to Increase Employment.
II. The people of India are highly educated but have no jobs related to their education.

(a) Statement I is the cause and Statement II is its effect

(b) Statement II is the cause and Statement I is its effect

(c) Both Statements I and II are effects of independent causes (d) Both Statements I and II are effects of some common cause

Directions (Q54 -Q57): Find out the pair in which the words bear the same relationship to each other as the given pair.

Q54. Austria : Vienna

(a) Pakistan : Lahore (b) Egypt : Cairo

(c) USA : Orlando (d) Germany : London

Q55. Fish : Shoal

(a) Audience : Theater (b) Shark : School

(c) Elephant : Flock (d) Whale : Herd

Q56. Dubious : Certain

(a) Hot : Angry (b) Cold : Warm

(c) Long : Elongated (d) Short : Dwarfish

Q57. Indolence : Beaver

(a) Elegance : Peacock (b) Ferocity : Lamb

(c) Passivity : Cow (d) Joviality : Hyena

Q58. In a certain code language, '493' means 'Friendship Big Challenge', '961' means 'Struggle Big Exam' and '178' means 'Exam Confidential Subject'. What does 'Confidential' stand for?

(a) 7 or 8 (b) 7 or 9

(c) 8 (d) 8 or 1

Directions (Q59 -Q60): What value should come in place of the question mark (?) in the series given below?

Q59. 128, 61, Y, 64, 63, S, 32, 65, N, 16, 67, J, 8, 69, G, ?, ?, ?

- (a) 2, 70, J (b) 3, 70, E
(c) 4, 70, E (d) 4, 71, E

Q60. A1Z, E2V, I6R, M21N, Q88J, ?

- (a) F 445 (b) U 445
U (c) G F (d) V
342 C 441 G

Part C: Mathematical Skills

Q61. If the numerator of a fraction is increased by 2 and the denominator is decreased by 1, then it becomes $\frac{2}{3}$. If the numerator is increased by 1 and the denominator is increased by 2, then it becomes $\frac{1}{3}$. Find the fraction.

- (a) $\frac{2}{9}$ (b) $\frac{2}{7}$
(c) $\frac{1}{6}$ (d) $\frac{1}{5}$

Q62. If the price of mangoes is decreased by 40%, one could get 32 more mangoes for ₹120. Find the original price of each mango.

- (a) (b)
₹3.50 ₹2.50

Q63. A trader marks up the price of a product by 50% above the cost price. If the discount is increased from 10% to 20%, his profit comes down by ₹105. What is the cost price of the product?

- (a) (b)
₹700 ₹750

Q64. The total cost price of two watches is ₹900. One is sold at a profit of 20% and the other at a loss of 25%. There is no loss or gain in the whole transaction. The cost price of the watch on which the shopkeeper loses is:

- (a) (b)
₹400 ₹500

Q65. A shopkeeper claims to sell his articles at a discount of 10%, but marks his articles by increasing the cost of each by 25%. His gain per cent is:

- (a) 12.5% (b) 15%
(c) 12% (d) 15.5%

Q66. In a parallelogram ABCD, AP and BP are the angle bisectors of $\angle DAB$ and $\angle ABC$ respectively. Find $\angle APB$.

- (a) 85° (b) 90°

- (c) 94° (d) 86°

Q67. A, B and C can do a work in 5 days, 10 days and 15 days respectively. They started together to do the work but after 2 days A and B left. C did the remaining work in how many days?

- (a) 4 days (b) 3 days
(c) 3.5 days (d) 2 days

Q68. A cistern has a leak which would empty it in 10 h. A tap is turned on which admits 4 L a minute into the cistern and it is now emptied in 15 h. How many litres does the cistern hold?

- (a) 7400 (b) 7200
(c) L (d) L

Q69. A water tank of 3000 L capacity is connected to a tap which can fill it at the rate of 25 L/min and water is let out at the same time at the rate of 5 L/min. After 2 h the outlet is shut off. Find how long will it take now for the tank to become full?

- (a) 25 (b) 26
min (c) min (d)

Q70. A, B and C rented a pasture by paying ₹2160 per month. They put 60, 40 and 20 sheep respectively. A sells $\frac{1}{3}$ of his sheep to B after 6 months and after 3 months more C sells $\frac{2}{5}$ of his sheep to A. Find the rent paid by C at the end of the year.

- (a) ₹4355 (b) ₹3888

Q71. The length, breadth and height of a cuboid are in the ratio 3:4:5 and its volume is 3840 cm^3 . The smallest side has a length of:

- (a) 12 (b) 20
cm (c) cm (d)

Q72. A cube has a volume of 72 m^3 . It is divided into 8 equal cubes. The ratio of an edge of a smaller cube to an edge of the original cube is:

- (a) 1:2 (b) 1:4
(c) $\sqrt{3}:1$ (d) 2:1

Q73. A, B and C start a business with ₹12000. A's share is half the sum of the shares of B and C. The share of B is $\frac{2}{3}$ of the sum of the shares of A and C. Then, the share of C is:

- (a) ₹3200 (b) ₹4800

Q74. Find the number of ways in which 8 players out of 12 players can be selected such that 2 particular players are always included and 3 particular players are always excluded.

- (c) ₹4000 (d) ₹3000

- (a) 6 (b) 7

Q75. Out of 8 men and 5 women a committee of 5 is to be formed. Find the number of ways in which this can be done so as to include at least 3 women.

- (a) 353 (b) 277

Q76. A fruit seller mixes three varieties of grapes costing ₹80, ₹45 and ₹30/kg in the ratio 1:4:6 in terms of weight and sells the mixture at ₹50/kg. What percentage of profit does he make?

- (a) 21% (b) 24%

Q77. A fruit seller buys a box of 100 apples for ₹500 and spends ₹40 on transportation. Afterwards he finds that 25 apples were rotten which he sold for ₹24 per dozen. He sells the remaining at ₹84 per dozen. Find his gain per cent.

- (a) 6 (13/27)% (b) 6 (2/9) %

Q78. From the top of a tower 300 m high, the angles of depression of the top of the building and its bottom are observed to be 45° and 60° respectively. Find the height of the building. (Take $\sqrt{3} = 1.73$)

- (a) 145 m (b) 127 m

Q79. A dealer mixes tea costing ₹50 per kg with a high quality tea and sells the mixture at ₹54 per kg. If the ratio in which the two quality tea were mixed is 2:1, what is the cost of higher quality tea?

- (a) ₹62 per kg (b) ₹58 per kg

Q80. In a mixture of 60 L, the ratio of milk and water is 2:1. If the ratio of milk and water is to be 1:2, then the amount of water to be further added must be:

- (a) 40 L (b) 30 L

Q81. An aeroplane at an altitude of 3000 m observes the angles of depression of opposite points on the two banks of a river to be 45° and 60° respectively. Find the width of the river in metre.

- (a) 4730 m (b) 4430 m

Q82. A bath tub can be filled by a cold water pipe in 20 min and by a hot water pipe in 30 min. A person leaves the bathroom after turning on both pipes simultaneously and returns at the moment when the bath tub should be full. Finding however, that the waste pipe has been open, he now closes it. In 3 min more the bath tub is full. In what time would the waste pipe empty it?

- (a) 38 min (b) 45 min
(c) min (d)

Q83. A man in a car notices that he can count 25 telephone posts in one minute. If they are known to be 40 m apart, then at what speed is the car travelling?

- (a) 52.4 km/h (b) 57.6 km/h
(c) km/h (d)

Q84. In a stream running at 2 km/h, a motorboat goes 5 km upstream and back again to the starting point in 1 h 20 min. Find the speed of the motorboat in still water.

- (a) 4 km/h (b) 8 km/h
(c) 10 km/h (d) 6 km/h

Q85. Two dice are thrown simultaneously. What is the probability of getting a number other than 4 on any dice?

- (a) 25/36 (b) 1/3
(c) 17/36 (d) 2/3

Q86. From a normal pack of 52 cards, 4 cards are drawn. Find the probability that they are of different suits.

- (a) $\frac{2197}{33075}$ (b) $\frac{2197}{20825}$
(c) $\frac{2197}{33025}$ (d) $\frac{2197}{33060}$

Q87. If the ratio of the volume of two cones is 1:6 and the ratio of the radii of their bases is 1:2, then the ratio of their height will be:

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

Q88. Two small circular parks of diameters 16 m and 12 m are to be replaced by a bigger circular park. What would be the radius of this new park, if the new park occupies the same space as the two small parks?

- (a) 10 m (b) 20 m
(c) m (d)

Q89. A can contains 90 L of milk. A procedure of drawing 9 L of solution from milk and adding the same quantity of water is followed. How many times such a process should be repeated such that the can would contain 65.61 L of milk?

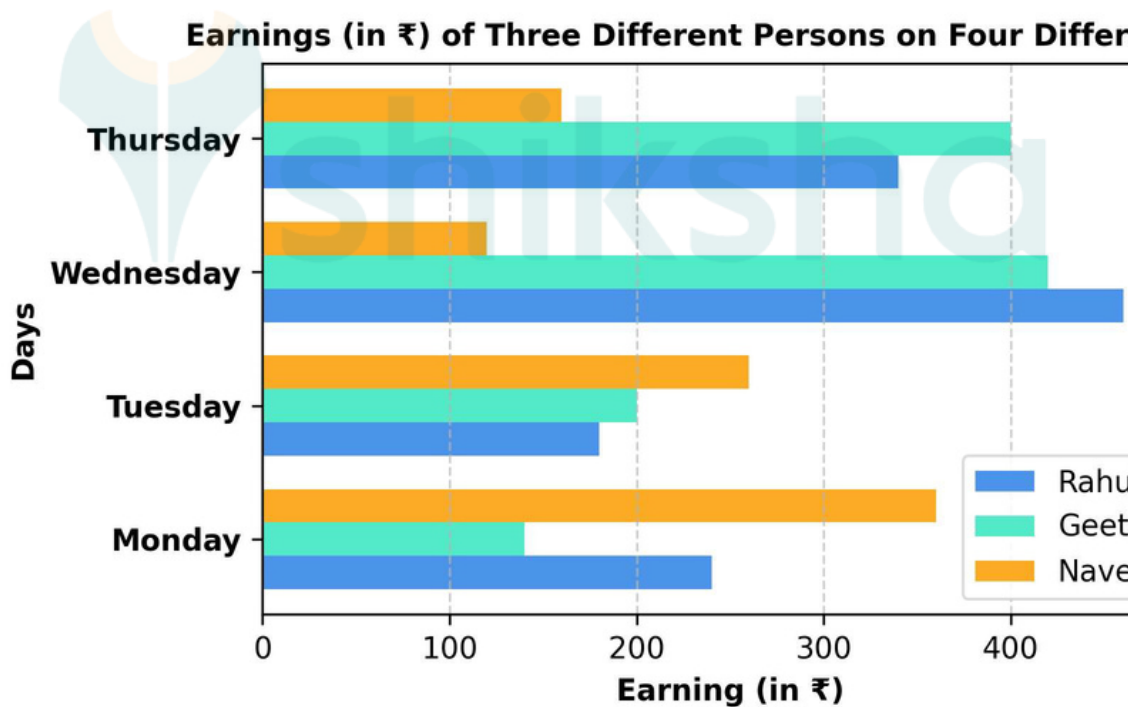
- (a) 5 (b) 2

Q90. In an examination, 32% students failed in Mathematics and 40% failed in English. If 22% of the students failed in both the subjects, then percentage of students who passed in both the subjects was:

- (a) 30% (b) 40%
(c) 50% (d) None of these

Part D: Data Analysis and Sufficiency

Directions (Q91 -Q95): Study the following bar graph showing Earnings (in ₹) of three different persons (Rahul, Geeta, Naveen) on four different days (Monday, Tuesday, Wednesday, Thursday) and answer the questions.



Q91. What is Geeta's average earnings over all the days together?

- (a) ₹285 (b) ₹290

Q92. What is the total amount earned by Rahul and Naveen together on Tuesday and Thursday to gether?

- (a) ₹1040 (b) ₹1020
(c) ₹980 (d) ₹940

Q93. Geeta donated her earnings of Wednesday to Naveen. What was Naveen's total earnings on Wednesday after Geeta's donation?

- (a) ₹520 (b) ₹550

Q94. What is the difference between Rahul's earnings on Monday and Geeta's earnings on Tuesday?

- (a) ₹40 (b) ₹20

Q95. What is the respective ratio between Naveen's earnings on Monday, Wednesday and Thursday?

- (a) 7:3:5 (b) 8:6:5
(c) 8:7:4 (d) 9:3:4

Directions (Q96 -Q100): Each of the following questions is followed by two Statements.

Give Answer:

- (a) If Statement I alone is sufficient to answer the question
(b) If Statement II alone is sufficient to answer the question
(c) If both Statements I and II together are necessary to answer the question
(d) If either Statement I alone or Statement II alone is sufficient to answer the question
(e) If both Statements I and II together are not sufficient to answer the question

Q96. In a general body election, 3 candidates p, q and r were contesting for a membership of the board. How many votes did each receive?

I. p received 17 votes more than q and 103 votes more than r.

II. Total votes cast were 1703.

- (a) Statement I alone is sufficient
(b) Statement II alone is sufficient
(c) Both Statements I and II together are necessary
(d) Either Statement I alone or Statement II alone is sufficient

Q97. If C_1 and C_2 are the circumferences of the outer and inner circles respectively, then what is $C_1 : C_2$?

I. The two circles are concentric.

II. The area of the ring is $\frac{2}{3}$ the area of greater circle.

- (a) Statement I alone is sufficient
- (b) Statement II alone is sufficient
- (c) Both Statements I and II together are necessary
- (d) Either Statement I alone or Statement II alone is sufficient

Q98. What is the middle number of 7 consecutive whole numbers?

I. Product of numbers is 702800.

II. Sum of the numbers is 105.

- (a) Statement I alone is sufficient
- (b) Statement II alone is sufficient
- (c) Both Statements I and II together are necessary
- (d) Either Statement I alone or Statement II alone is sufficient

Q99. Total marks obtained by P, Q, R and S in Mathematics is 360. How many marks did P secure in Mathematics?

I. P secured one-third marks of the total of Q, R and S.

II. Average marks obtained by Q and R are 20 more than that secured by S.

- (a) Statement I alone is sufficient
- (b) Statement II alone is sufficient
- (c) Both Statements I and II together are necessary
- (d) Either Statement I alone or Statement II alone is sufficient

Q100. Ram got ₹1500 as dividend from a company. What is the rate of interest given by the company?

I. The dividend paid last year was 10%.

II. Ram has 350 shares of ₹10 denomination.

- (a) Statement I alone is sufficient
- (b) Statement II alone is sufficient
- (c) Both Statements I and II together are necessary
- (d) Either Statement I alone or Statement II alone is sufficient

Directions (Q101 -Q105): Study the following table carefully showing Marks obtained by six students in five different subjects in an annual examination and answer the questions.

Subjects (Max)	A	B	C	D	E	F
Maths (100)	9	8	9	8	7	6
Physics (75)	6	5	0	2	8	2
Chemistry (75)	5	6	7	6	7	5
English (150)	5	0	2	9	0	4
Biology (50)	105	90	75	78	120	76
	4	51	6	5	6	4
	2	36	3	7	6	5
	40		44	35	48	34
	338	322	344	321	382	271

Q101. Approximately what is the maximum difference between the percentage of total marks obtained by any two students?

- (a) 22% (b) 24%
(c) 26%

Q102. Marks obtained by student C in Physics are approximately what per cent of the average of marks obtained in English by all the students?

- (a) 75% (b) 78%
(c) 80%

Q103. How many students obtained more marks than average marks obtained in Physics by all the students?

- (a) 2 (b) 4
(c) 3

Q104. Marks obtained by F in Physics and English together are approximately what per cent of the total marks obtained by D in all subjects?

- (a) 34% (b) 40%
(c) 36%

Q105. Who stood first in examination?

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

Directions (Q106 -Q110): In these questions, a question is given followed by information in three statements. You have to consider the information in all three statements and decide which statement(s) can be dispensed with.

Q106. What is Suchitra's present age?

- I. Suchitra's present age is double the age of her son.
- II. Ratio of present age of Suchitra to that of her father is 4:7.
- III. After 3 yr, the ratio between Suchitra's age and her son's age will be 24:17.

- (a) Only II
- (b) Only III
- (c) Either I or II
- (d) Either II or III

Q107. What is the labelled price of the article?

- I. Cost price of the article is ₹500.
- II. Selling price after offering 5% discount on the labelled price is ₹608.
- III. Profit earned would have been 28%, if no discount was offered.

- (a) Only I
- (b) Only II
- (c) I and III
- (d) Either II or (I and III)

Q108. How many students passed in first class?

- I. 85% of the students who appeared in examination have passed either in first class or in second class or in pass class.
- II. 750 students have passed in second class.
- III. The number of students who passed in pass class is 28% of those passed in second class.

- (a) Only I
- (b) I and III
- (c) II and III
- (d) Question cannot be answered even with information in all three statements

Q109. What is the amount invested in Scheme B?

- I. The amounts invested in Schemes A and B are in the ratio of 2:3.
- II. The amount invested in Scheme A is 40% of the total amount invested.
- III. The amount invested in Scheme A is ₹45000.

- (a) I and II
- (b) I and III
- (c) II and III
- (d) Either I or II

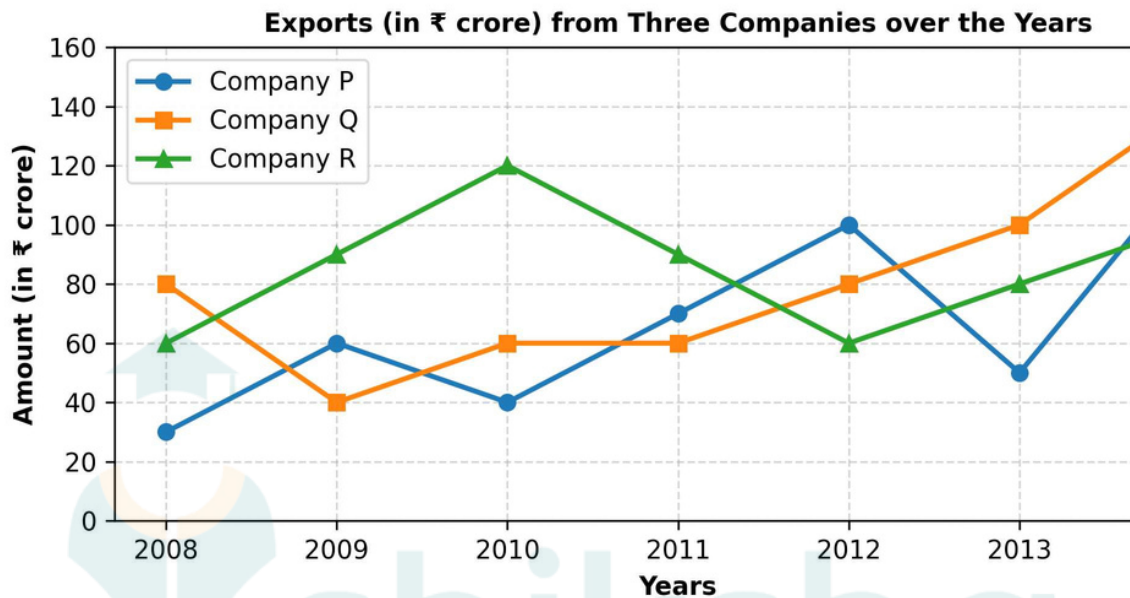
Q110. What is the cost of flooring a rectangular hall?

- I. The length of the rectangle is 6 m and breadth is two-third of its length.
- II. Perimeter of rectangle is 200 m.
- III. The cost of flooring the area of 100 cm² is ₹45.

- (a) I and III
- (b) II and III

- (c) Only II
(d) Question cannot be answered even with data in all three statements

Directions (Q111 -Q115): Study the following line graph showing Exports (in ₹ crore) from three companies (P, Q, R) over the years 2008 to 2014 and answer the questions.



Q111. For which of the following pairs of years the total exports from the three companies are same?

- (a) 2010 and 2013
(b) 2011 and 2013
(c) 2012 and 2013
(d) 2010 and 2011

Q112. Average annual exports during the given period for company Q is approximately, what per cent of the average annual exports for company R?

- (a) 87.12%
(b) 89.64%
(c) 91.21%
(d) 93.33%

Q113. In which year was the difference between the exports from companies P and Q the minimum?

- (a) 2009
(b) 2010

- (c) 2011 (d) 2012

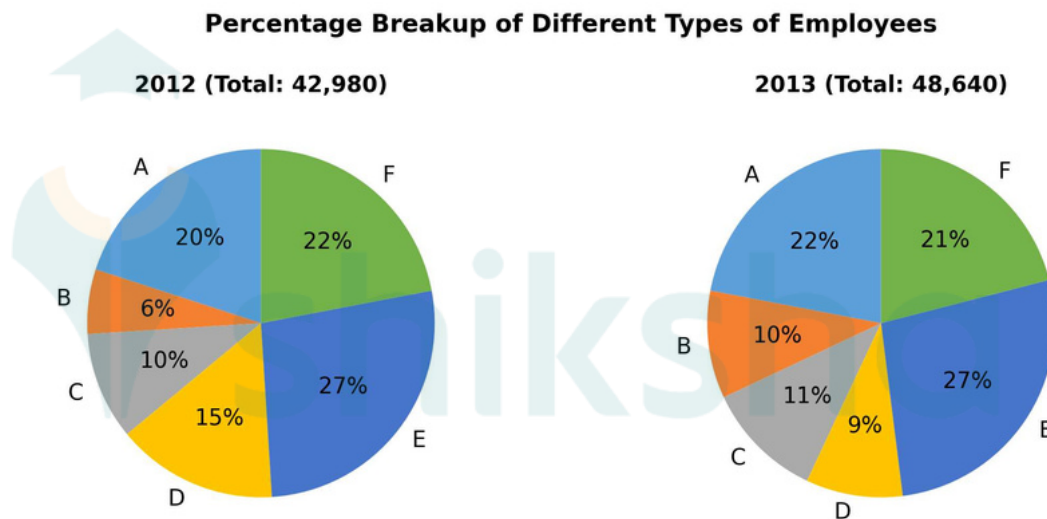
Q114. What was the difference between the average exports of the three companies in 2008 and the average exports in 2013?

- (a) ₹15.33 crore (b) ₹18.67 crore
(c) ₹20 crore (d) ₹22.17 crore

Q115. In how many of the given years, were the exports from company R more than the average annual exports over the given years?

- (a) (b) 3
2 (c) (d) 5
4

Directions (Q116 -Q120): Study the pie charts below showing the percentage breakup of different types of employees (A, B, C, D, E, F) in a company in 2012 (Total = 42,980) and 2013 (Total = 48,640).



Q116. The number of A type employees in 2013 was approximately what percentage of A type employees in 2012?

- (a) 115% (b) 140%
(c) 125% (d) 130%

Q117. Number of which of the following types of employees have increased maximum in 2013 compared to 2012?

- (a) B (b) D

- (c) C (d) None of these

Q118. Approximately what was the difference in the number of B type employees between 2012 and 2013?

- (a) 2285 (b) 2325

Q119. The total number of which of the following pairs of types of employees in 2012 was approximately equal to A type of employees in 2013?

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

Q120. Which type of employees have recorded maximum percentage growth in 2013 over 2012?

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

Part E: Indian and Global Environment (30 Questions)

Q121. Who is the author of the book 'Obama: The Call of History'?

- (a) Peter Baker (b) Julian Barnes
(c) Michael Donkor (d) Nick White

Q122. Which state has launched the 'Walk to Work' campaign in the state?

- (a) Manipur (b) Arunachal Pradesh
(c) Nagaland (d) Meghalaya

Q123. The Ministry of Housing and Urban Affairs has launched which e-course to create awareness about natural hazards?

- (a) Mother Nature (b) Vulnerability Atlas of India
(c) Seismic Zone of India (d) Conservation -The Only Way

Q124. Which country has won the SAFF U-15 championship title in 2019?

- (a) Nepal (b) India
(c) Maldives (d) Sri Lanka

Q125. Which government scheme has been conferred the prestigious SKOCH governance Gold Award?

- (a) Prime Minister Ujjwala Yojana
(b) Atal Pension Yojana
(c) Deendayal Antyodaya Yojana -NULM
(d) Pradhan Mantri Kaushal Vikas Yojana

Q126. Which country will train four Indian astronauts for India's ambitious manned mission to space, Gaganyaan?

- (a) Japan
- (b) Russia
- (c) South Korea
- (d) Australia

Q127. Who has assumed charge as the Chairman of Association of World Election Bodies (AWEB) for the term 2019-21?

- (a) Sunil Arora
- (b) Kalyan Sundaram
- (c) Sukumar Sen
- (d) Nagendra Singh

Q128. Who has been appointed as the Prime Minister of Ukraine in August 2019?

- (a) Oleksiy Honcharuk
- (b) Volodymyr Zelensky
- (c) Boris Johnson
- (d) Scott Morrison

Q129. What is the theme for the International Day of Democracy of 2019?

- (a) Participation
- (b) Democracy and the New Generations
- (c) Changing Way of Democracy
- (d) Democracy and Participation of All

Q130. President Ram Nath Kovind has inaugurated a bronze bust of Mahatma Gandhi in which city of Switzerland?

- (a) Bern
- (b) Zurich
- (c) Villeneuve
- (d) Lausanne

Q131. Union Minister for Skill Development and Entrepreneurship (MSDE), Dr. Mahendra Nath Pandey laid the foundation stone for Indian Institute of Skills in which city recently?

- (a) Bhopal
- (b) New Delhi
- (c) Mumbai
- (d) Jaipur

Q132. The world's first malaria vaccine was recently launched in which country?

- (a) Malawi
- (b) Nigeria
- (c) Cameroon
- (d) Sudan

Q133. Which movie has become the only Indian film to feature in 'The Guardian' list of 100 Best films of the 21st century?

- (a) Black Friday
- (b) Haider
- (c) Kadvi Hawa
- (d) Gangs of Wasseypur

Q134. Dikshi Hydroelectric Project was inaugurated in which state?

- (a) Himachal Pradesh
- (b) Arunachal Pradesh

- (c) Assam (d) Manipur

Q135. Ministry of Commerce & Industry through Export Credit Guarantee Corporation (ECGC) has introduced which Export Credit Insurance Scheme (ECIS)?

- (a) NIRVIK (b) ABHIK
(c) VINIT (d) ABHIR

Q136. 35th ASEAN Summit was held in which country?

- (a) Vietnam (b) Malaysia
(c) Cambodia (d) Thailand

Q137. Who has been appointed as the new Finance Secretary of India in 2019?

- (a) Subhash Chandra Garg (b) Rajiv Kumar
(c) Anshu Prakash (d) Atanu Chakraborty

Q138. Which company has launched an initiative called 'Samarth', aimed at bringing India's artisans, weavers, and handicrafts producers onto e-commerce?

- (a) TATA (b) Amazon
(c) Flipkart (d) Big Bazaar

Q139. Who has won the Prestigious Ramon Magsaysay Award for Journalism in 2019?

- (a) Sudhir Chaudhary (b) Ravish Kumar
(c) Rahul Kanwal (d) Dibang

Q140. What was the rank of Mumbai in the Safe Cities Index 2019 released by the Economist Intelligence Unit?

- (a) 45th (b) 52nd
(c) 35th (d) 29th

Q141. Which country has become the world's first country to launch Biometric Seafarer Identity Document (BSID)?

- (a) Russia (b) United States
(c) India (d) China

Q142. Who has become the first Indian to win a badminton world championships gold in 2019?

- (a) Saina Nehwal (b) Ashwini Ponnappa
(c) PV Sindhu (d) Rituparna Das

Q143. What is India's rank in the Ease of Doing Business rankings 2020 released by World Bank?

- (a) 63rd (b) 65th
(c) 55th (d) 72nd

Q144. Name the place where President Ram Nath Kovind inaugurated the first ever World

Youth Conference organized by UNESCO MGIEP.

- (a) Shantivan (b) Vigyan Bhavan, New Delhi
- (c) Vigyan Sansthan (d) GIFT City

Q145. Which state has achieved first rank in NITI Aayog launched 'Agricultural Marketing and Farmer Friendly Reform Index' (AMFFRI)?

- (a) Gujarat (b) Madhya Pradesh
- (c) Uttar Pradesh (d) Maharashtra

Q146. Who was appointed as the Chairman of the National Commission for Backward Classes (NCBC) in 2019?

- (a) Gurdeep Kullar (b) Bhagwan Lal Sahni
- (c) Tapan Bordoloi (d) Arvind Saxena

Q147. On the occasion of National Science Day, Union Ministry of Human Resource Development launched which scheme to fund 500 science projects?

- (a) KAUSTAR
- (b) KUSTAR
- (c) HUNAR (d) SAMPRITI

Q148. India and which country conducted the 'Mainamati Maitree Exercise 2019'?

- (a) Sri Lanka (b) Bhutan
- (c) Nepal (d) Bangladesh

Q149. Which Indian actress has been honoured with the UNICEF Danny Kaye Humanitarian Award in 2019?

- (a) Anushka Sharma (b) Vidya Balan
- (c) Dia Mirza (d) Priyanka Chopra

Q150. Nipah virus outbreak took place in which coastal state of India in 2018?

- (a) Kerala (b) Odisha
- (c) Tamil Nadu (d) Andhra Pradesh

ANSWER KEY

Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans	Q / Ans
1. (b)	11. (d)	21. (d)	31. (d)	41. (d)	51. (a)	61. (b)	71. (a)	81. (a)	91. (b)	101. (b)	111. (d)	121. (a)	131. (c)	141. (c)
2. (c)	12. (a)	22. (c)	32. (a)	42. (c)	52. (b)	62. (b)	72. (a)	82. (d)	92. (d)	102. (c)	112. (d)	122. (d)	132. (a)	142. (c)
3. (d)	13. (d)	23. (b)	33. (c)	43. (d)	53. (d)	63. (a)	73. (a)	83. (b)	93. (c)	103. (d)	113. (c)	123. (b)	133. (d)	143. (a)
4. (a)	14. (d)	24. (c)	34. (d)	44. (c)	54. (b)	64. (a)	74. (b)	84. (b)	94. (a)	104. (b)	114. (c)	124. (b)	134. (b)	144. (b)
5. (c)	15. (d)	25. (b)	35. (c)	45. (b)	55. (c)	65. (a)	75. (c)	85. (a)	95. (d)	105. (d)	115. (c)	125. (c)	135. (a)	145. (d)
6. (b)	16. (d)	26. (c)	36. (a)	46. (d)	56. (b)	66. (b)	76. (c)	86. (b)	96. (c)	106. (a)	116. (c)	126. (b)	136. (d)	146. (b)
7. (a)	17. (b)	27. (b)	37. (c)	47. (b)	57. (a)	67. (a)	77. (a)	87. (a)	97. (b)	107. (e)	117. (a)	127. (a)	137. (b)	147. (a)
8. (a)	18. (a)	28. (c)	38. (a)	48. (a)	58. (a)	68. (b)	78. (b)	88. (a)	98. (d)	108. (d)	118. (a)	128. (a)	138. (c)	148. (d)
9. (a)	19. (b)	29. (c)	39. (c)	49. (b)	59. (d)	69. (d)	79. (a)	89. (d)	99. (a)	109. (e)	119. (d)	129. (a)	139. (b)	149. (d)
10. (d)	20. (a)	30. (c)	40. (d)	50. (d)	60. (b)	70. (b)	80. (d)	90. (c)	100. (b)	110. (c)	120. (a)	130. (c)	140. (a)	150. (a)

HINTS & SOLUTIONS

Part A: English Language Solutions

Q1. Answer: (b)

Explanation: The improved storage facility helps the farmer and the consumer as farmers could produce surplus crop without the fear of spoilage and consumers get cheaper products throughout the year.

Q2. Answer: (c)

Explanation: By 'without major fluctuations in price', the author indicates that prices remained fairly stable because storage facilities smoothed out seasonal shortages.

Q3. Answer: (d)

Explanation: 'Sophisticated machines' refers to modern, advanced, and complex machinery.

Q4. Answer: (a)

Explanation: The passage attributes the surge in implements, chemicals, and overall progress to the Second Industrial Revolution.

Q5. Answer: (c)

Explanation: The entire text discusses how color influences product design, human feelings, and consumer choices.

Q6. Answer: (b)

Explanation: 'Era' refers to a distinct historical period or 'age'.

Q7. Answer: (a)

Explanation: The text explicitly states that refrigerator colors like 'old gold', 'avocado green', and 'coppertone' are now considered old-fashioned.

Q8. Answer: (a)

Explanation: Lawnmowers need to look strong and powerful, making red an appropriate color.

Q9. Answer: (a)

Explanation: Vaccine against AIDS and swine flu is not mentioned in the passage; other options are explicitly listed as medical factors.

Q10. Answer: (d)

Explanation: Progress already made along with continuous breakthroughs in biomedical research can push longevity beyond 110 years.

Q11. Answer: (d)

Explanation: The passage states average age will increase from 30.1 to almost 40 years (not doubled). Thus (d) is factually incorrect according to the text and not a true drawback.

Q12. Answer: (a)

Explanation: Without increased longevity, the demographers' baseline estimate was about 10,000 million.

Q13. Answer: (d)

Explanation: 'Spare the rod' represents 'intimidation', which produces 'conformity' and kills active enquiry.

Q14. Answer: (d)

Explanation: Arguments kept in a debater's collection are in his 'repertoire', and powerful arguments are 'invincible'.

Q15. Answer: (d)

Explanation: 'Mortify' means to discipline/control the senses; 'glancing' fits looking neither right nor

left.

Q16. Answer: (d)

Explanation: Logical order: B (ancient worship) -> D (not uncivilized) -> A (reveals sensitivity) -> C (modern man conquers) -> E (contrast with ancient Indians). Order: BDACE.

Q17. Answer: (b)

Explanation: Logical sequence: B (town hall looked finer) -> A (platform draped with flags) -> E (galleries adorned) -> C (done to impress stranger) -> D (seats full). Order: BAECD.

Q18. Answer: (a)

Explanation: Logical sequence: B (Socrates on self-mastery) -> D (meaning of self-mastery) -> A (knowledge brings courage) -> C (freedom from fear) -> E (Socrates practised it). Order: BDACE.

Q19. Answer: (b)

Explanation: Logical sequence: B (parrots came out) -> A (bolder one hopped off) -> C (surprised at freedom) -> D (watched dilemma) -> E (parrots gone). Order: BACDE.

Q20. Answer: (a)

Explanation: Option (a) accurately conveys that IMF proposed global taxes with the intention/attempt to forestall future crises.

Q21. Answer: (d)

Explanation: Captures both key points: the treaty itself and its effect in normalizing bilateral relations.

Q22. Answer: (c)

Explanation: Concise and accurate without distorting or omitting key geographic contexts (Sudan, East Africa, Asia).

Q23. Answer: (b)

Explanation: Captures the core paradox: cheap storage has led to hoarding vast amounts of data regardless of value.

Q24. Answer: (c)

Explanation: 'had ought to' is ungrammatical. 'No officer should be put...' or 'No officer ought to be put...' correctly conveys the obligation.

Q25. Answer: (b)

Explanation: Maintains correct tense consistency and grammatical structure: 'disturbances' / 'had caused'.

Q26. Answer: (c)

Explanation: Preposition 'from' governs objective pronoun 'those who' rather than subjective 'they who'.

Q27. Answer: (b)

Explanation: Jumbled word is 'SALUTATORY' (welcoming). Its antonym is 'VALEDICTORY' (farewell).

Q28. Answer: (c)

Explanation: Jumbled word is 'GRISLY' (horrifying/gruesome). Its antonym is 'PLEASANT'.

Q29. Answer: (c)

Explanation: Part (a) has 'has came' which is incorrect (should be 'has come'), and part (c) should be 'has been caused'. Here part (c) / (a) contain errors.

Q30. Answer: (c)

Explanation: Subject is singular ('The perception of security'), so verb must be 'tends' instead of 'tend'.

Part B: Intelligence and Critical Reasoning Solutions

Q31. Answer: (d)

Explanation: Dinakaran, Sumit and Tarun all play Chess. Amul plays Golf and Lawn Tennis. Hence, Amul does not play Chess.

Q32. Answer: (a)

Explanation: Dinakaran studies Psychology and plays Billiards and Chess.

Q33. Answer: (c)

Explanation: Total games played = 6 (Billiards, Chess, Weight Training, Badminton, Golf, Lawn Tennis).

Total subjects = 3 (Psychology, Physics, Commerce).

Q34. Answer: (d)

Explanation: Arrangement from Left to Right: E (Blue) -B (Green) -A (Red) -C (White) -D (Yellow). A sits between B and C.

Bench Seating Arrangement (Left to Right)

E (Blue)	B (Green)	A (Red)	C (White)	D (Yellow)
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Q35. Answer: (c)

Explanation: The colour of C's shirt is White.

Q36. Answer: (a)

Explanation: A (Red) is sitting in the exact centre position (3rd of 5).

Q37. Answer: (c)

Explanation: In India, Judiciary is an independent constitutional body and does not act as a subordinate arm to favor the executive.

Q38. Answer: (a)

Explanation: CO₂ is a greenhouse gas trapping atmospheric heat, raising global temperatures and accelerating polar ice melt.

Q39. Answer: (c)

Explanation: Vitamins B and C are water-soluble and lost upon prolonged soaking/washing. Vitamins A and D are fat-soluble.

Q40. Answer: (d)

Explanation: Earthworms aerate soil and break down organic matter into nutrient-rich humus, making them 'farmer's friends'. Thus (A) is false and (R) is true.

Q41. Answer: (d)

Explanation: Age order: Ritu > Bharat > Chander > Shruti > Amit > Tanu. Height order: Shruti/Bharat > ... Either Shruti or Bharat is tallest. Data is inadequate.

Q42. Answer: (c)

Explanation: From age order: Shruti > Amit > Tanu. Amit is older than Tanu but younger than Shruti.

Q43. Answer: (d)

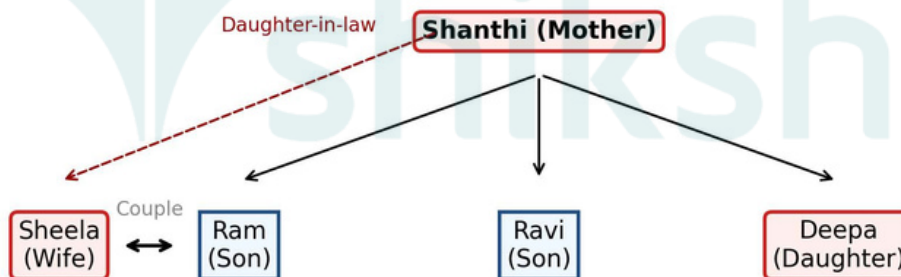
Explanation: Oldest child is Ritu (Age #1). Statement III says oldest is shortest, so Ritu is definitely the shortest.

Q44. Answer: (c)

Explanation: Seating around circular table: Clockwise order A -C -D -B -E. Statement I (D next to B) and Statement II (E next to A) are both true.

Q45. Answer: (b)

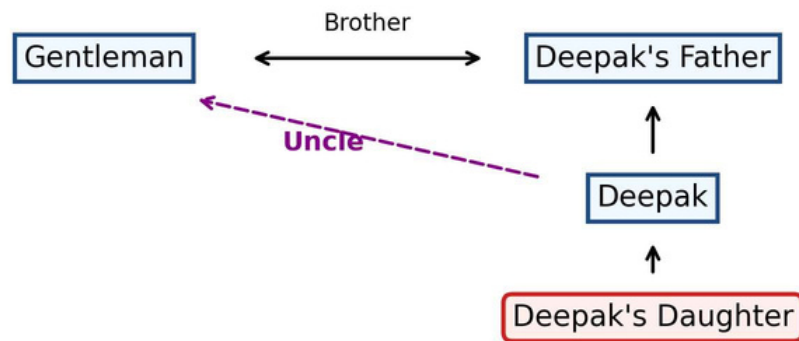
Explanation: Shanthi is the mother of Ram, Ravi, and Deepa. Ram is married to Sheela. Therefore, Sheela is the daughter-in-law of Shanthi.



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Q46. Answer: (d)

Explanation: Deepak's daughter's father is Deepak himself. Deepak's father's only brother is Deepak's Uncle.



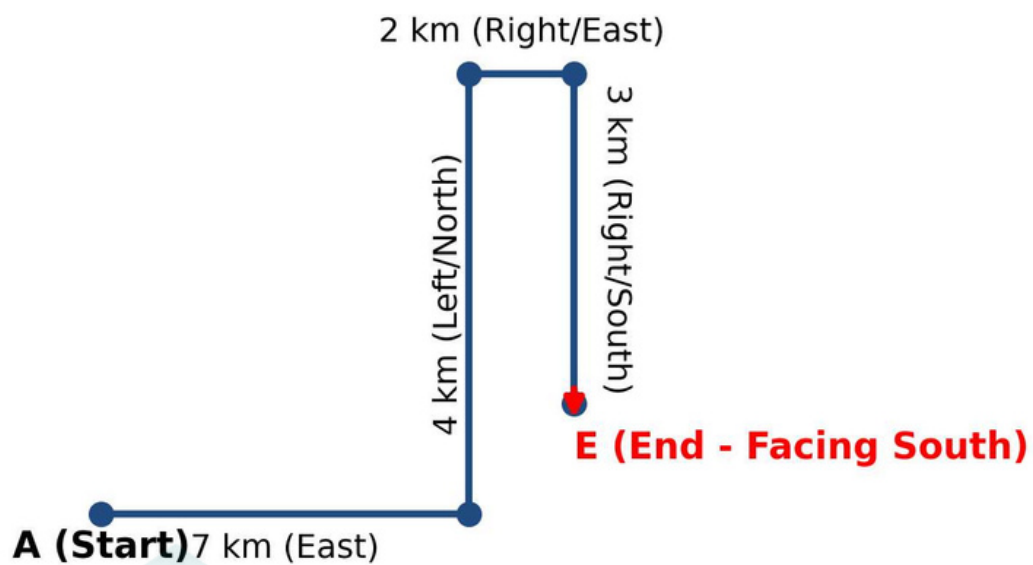
Q47. Answer: (b)

Explanation: Mahesh's only son is Raj (Neha's husband). Bindu and Amruta are daughters of Raj. Bindu is the granddaughter of Mahesh.

Q48. Answer: (a)

Explanation: Pratap walks East (7 km), turns left to North (4 km), turns right to East (2 km), and turns right to South (3 km). He is facing South.

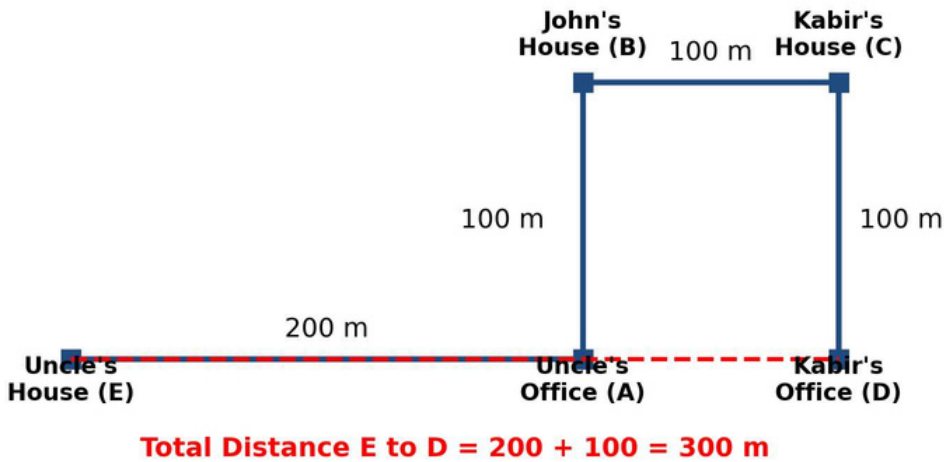
Pratap's Path



Q49. Answer: (b)

Explanation: Uncle's house is 200 m West of Uncle's office (A). Kabir's office is 100 m East of A. Total distance = $200 + 100 = 300$ m.

Layout of Houses and Offices



Q50. Answer: (d)

Explanation: Three days after Saturday is Tuesday. If two days before yesterday was Tuesday, yesterday was Thursday, and today is Friday.

Q51. Answer: (a)

Explanation: A acute drinking water shortage (Cause I) prompted the Chief Minister to deploy more water tankers (Effect II).

Q52. Answer: (b)

Explanation: Severe air pollution (Cause II) led NGT to impose a ban on old diesel vehicles (Effect I).

Q53. Answer: (d)

Explanation: High unemployment among youth is the common underlying issue driving both government job missions and joblessness.

Q54. Answer: (b)

Explanation: Vienna is the capital of Austria; Cairo is the capital of Egypt.

Q55. Answer: (c)

Explanation: A group of fish is called a shoal; a group of elephants is called a herd/flock (shark group is a shiver/school).

Q56. Answer: (b)

Explanation: Dubious and Certain are antonyms; Cold and Warm are antonyms.

Q57. Answer: (a)

Explanation: Beaver symbolizes industriousness (indolence is antonymous/ironic trait) / Peacock is universally associated with elegance.

Q58. Answer: (a)

Explanation: Comparing codes: '9' = Big, '1' = Exam. From '178' = Exam Confidential Subject, 'Confidential' must be coded as either 7 or 8.

Q59. Answer: (d)

Explanation: Three interleaved series: (1) 128, 64, 32, 16, 8, [4]; (2) 61, 63, 65, 67, 69, [71]; (3) Letters Y(-6)→S(-5)→N(-4)→J(-3)→G(-2)→[E]. Result: 4, 71, E.

Q60. Answer: (b)

Explanation: Letters 1: A(+4)→E(+4)→I(+4)→M(+4)→Q(+4)→U. Numbers: $(1*1)+1=2$, $(2*2)+2=6$, $(6*3)+3=21$, $(21*4)+4=88$, $(88*5)+5=445$. Letters 2: Z(-4)→V(-4)→R(-4)→N(-4)→J(-4)→F. Result: U 445 F.

Part C: Mathematical Skills Solutions

Q61. Answer: (b)

Explanation: Let fraction be x/y . $(x+2)/(y-1) = 2/3 \Rightarrow 3x - 2y = -8$. Also $(x+1)/(y+2) = 1/3 \Rightarrow 3x - y = -1$. Subtracting gives $y = 7$, $x = 2$. Fraction = $2/7$.

Q62. Answer: (b)

Explanation: Let original price be ₹ x . New price = $0.6x$. $120/(0.6x) - 120/x = 32 \Rightarrow 200/x - 120/x = 32 \Rightarrow 80/x = 32 \Rightarrow x = ₹2.50$.

Q63. Answer: (a)

Explanation: Let CP = x . MP = $1.5x$. SP1 (10% off) = $0.90 * 1.5x = 1.35x$. SP2 (20% off) = $0.80 * 1.5x = 1.20x$. Difference = $0.15x = 105 \Rightarrow x = ₹700$.

Q64. Answer: (a)

Explanation: Let CP of profitable watch be x , losing watch be $(900-x)$. Gain 20% on x = Loss 25% on $(900-x) \Rightarrow 0.20x = 0.25(900-x) \Rightarrow 0.45x = 225 \Rightarrow x = 500$. Losing watch CP = $900 - 500 = ₹400$.

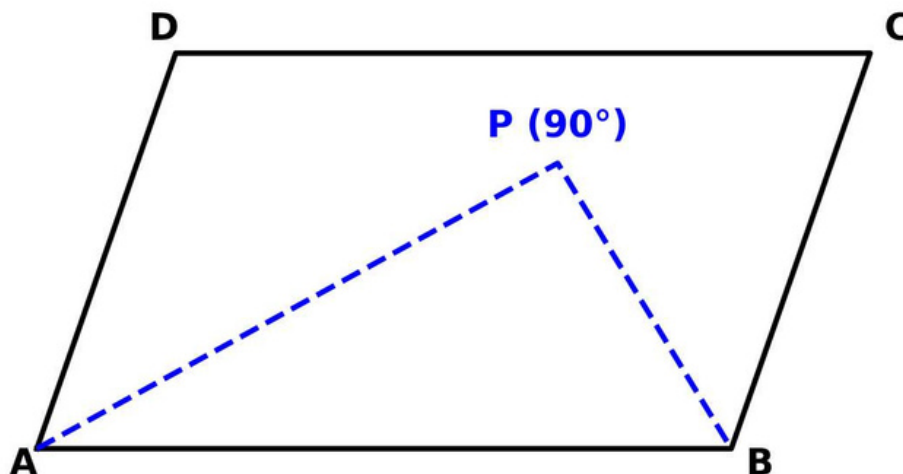
Q65. Answer: (a)

Explanation: Let CP = 100. MP = 125. SP = $125 * 0.90 = 112.50$. Gain = 12.5%.

Q66. Answer: (b)

Explanation: In parallelogram, adjacent angles sum to 180° : $\angle DAB + \angle ABC = 180^\circ$. Half angles $\angle PAB + \angle PBA = 90^\circ$. In $\triangle PAB$, $\angle APB = 180^\circ - 90^\circ = 90^\circ$.

Parallelogram ABCD with Angle Bisectors AP & BP



Q67. Answer: (a)

Explanation: 1 day's combined work = $\frac{1}{5} + \frac{1}{10} + \frac{1}{15} = \frac{11}{30}$. In 2 days, work done = $\frac{22}{30} = \frac{11}{15}$. Remaining = $\frac{4}{15}$. C's rate = $\frac{1}{15}$. Time for C = $(\frac{4}{15}) / (\frac{1}{15}) = 4$ days.

Q68. Answer: (b)

Explanation: Net emptying rate = $\frac{1}{15}$. Leak emptying rate = $\frac{1}{10}$. Inlet rate = $\frac{1}{10} - \frac{1}{15} = \frac{1}{30}$ per hour. Inlet fills tank in 30 hours. Capacity = $30 \text{ hr} \times 60 \text{ min} \times 4 \text{ L/min} = 7200 \text{ L}$.

Q69. Answer: (d)

Explanation: Net inflow rate in first 2 h = $25 - 5 = 20 \text{ L/min}$. Water accumulated in 120 min = $20 \times 120 = 2400 \text{ L}$. Remaining to fill = $3000 - 2400 = 600 \text{ L}$. Time with inlet only = $600 / 25 = 24 \text{ min}$.

Q70. Answer: (b)

Explanation: Sheep-month ratios: $A = (60 \times 6) + (40 \times 3) + (48 \times 3) = 624$. $B = (40 \times 6) + (60 \times 6) = 600$. $C = (20 \times 9) + (12 \times 3) = 216$. Ratio = 26:25:9. Total rent = $2160 \times 12 = ₹25,920$. C's share = $(\frac{9}{60}) \times 25920 = ₹3888$.

Q71. Answer: (a)

Explanation: Let sides be $3x, 4x, 5x$. Volume = $60x^3 = 3840 \Rightarrow x^3 = 64 \Rightarrow x = 4$. Smallest side = $3 \times 4 = 12 \text{ cm}$.

Q72. Answer: (a)

Explanation: Volume of smaller cube = $72 / 8 = 9 \text{ m}^3$. Edge of smaller cube = $9^{1/3}$. Original edge = $72^{1/3} = 2 \times 9^{1/3}$. Ratio = 1:2.

Q73. Answer: (a)

Explanation: $A = (B+C)/2 \Rightarrow B+C = 2A$. Since $A+B+C = 12000$, $3A = 12000 \Rightarrow A = ₹4000$. $B = 2/3(A+C) \Rightarrow A+C = 1.5B \Rightarrow 2.5B = 12000 \Rightarrow B = ₹4800$. $C = 12000 - (4000 + 4800) = ₹3200$.

Q74. Answer: (b)

Explanation: 12 players total. 3 excluded $\Rightarrow$ 9 remaining. 2 already included $\Rightarrow$ need to choose $(8 - 2) = 6$ more from $(9 - 2) = 7$ players. Ways = ${}^7C_6 = 7$.

Q75. Answer: (c)

Explanation: At least 3 women: $({}^8C_2 * {}^5C_3) + ({}^8C_1 * {}^5C_4) + ({}^8C_0 * {}^5C_5) = (28 * 10) + (8 * 5) + 1 = 280 + 40 + 1 = 321$ ways.

Q76. Answer: (c)

Explanation: Total CP for $(1+4+6)=11$ kg = $(1*80) + (4*45) + (6*30) = 80 + 180 + 180 = ₹440$. Total SP = $11 * 50 = ₹550$. Profit = $(110/440)*100 = 25\%$.

Q77. Answer: (a)

Explanation: Total CP = $500 + 40 = ₹540$. SP of 25 rotten = $(24/12)*25 = ₹50$. SP of 75 good = $(84/12)*75 = ₹525$. Total SP = ₹575. Gain = $35/540 * 100 = 6 (13/27)\%$.

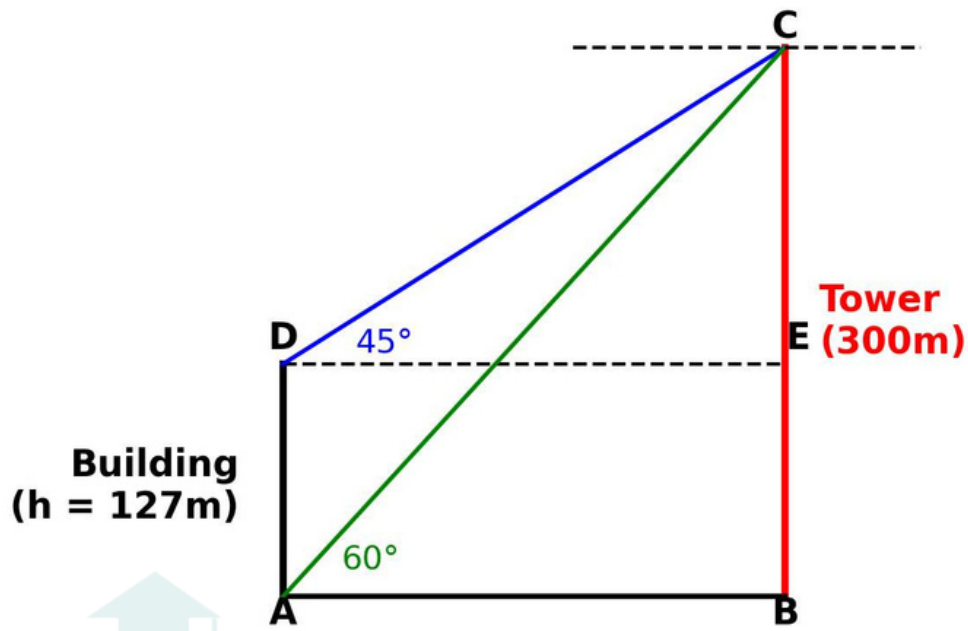
Q78. Answer: (b)

Explanation: Tower height = 300 m. In $\triangle ABC$, $AB = 300 / \tan(60^\circ) = 300/\sqrt{3} = 100\sqrt{3} = 173$ m. In $\triangle CDE$, $DE = AB = 173$ m, so $CE = 173 * \tan(45^\circ) = 173$ m. Height of building $AD = 300 - 173 = 127$ m.



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Tower and Building Observation



Q79. Answer: (a)

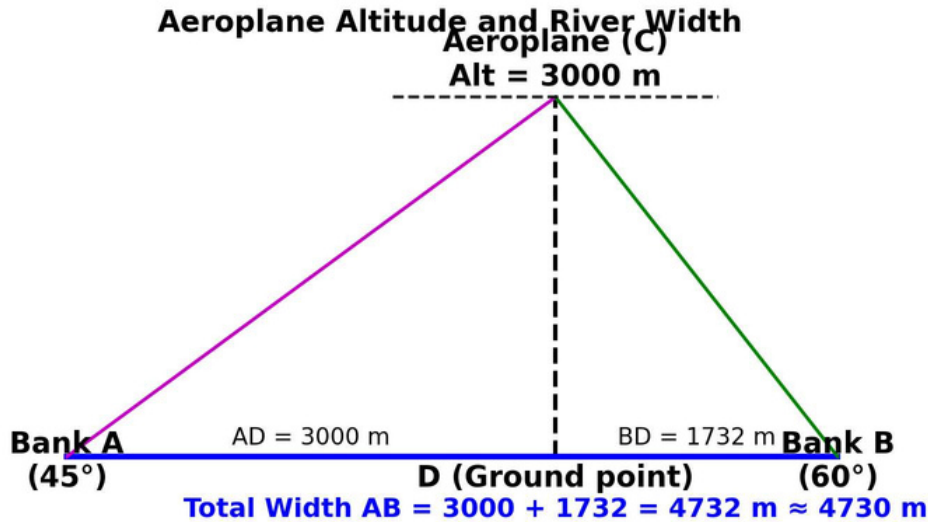
Explanation: By alligation: $(\text{Price}_2 - 54) / (54 - 50) = 2/1 \Rightarrow \text{Price}_2 - 54 = 8 \Rightarrow \text{Price}_2 = ₹62/\text{kg}$.

Q80. Answer: (d)

Explanation: Initial: Milk = 40 L, Water = 20 L. For ratio 1:2: $40 / (20 + x) = 1/2 \Rightarrow 20 + x = 80 \Rightarrow x = 60$ L.

Q81. Answer: (a)

Explanation: Altitude CD = 3000 m. $AD = 3000 / \tan(45^\circ) = 3000$ m. $BD = 3000 / \tan(60^\circ) = 3000/\sqrt{3} = 1732$ m. River width = $3000 + 1732 = 4732$ m ≈ 4730 m.



Q82. Answer: (d)

Explanation: Inflow rate = $\frac{1}{20} + \frac{1}{30} = \frac{1}{12}$. Expected filling time = 12 min. In 12 min, net work done + 3 min inflow = 1 $\Rightarrow 12(\frac{1}{12} - \frac{1}{x}) + 3(\frac{1}{12}) = 1 \Rightarrow 1 - \frac{12}{x} + \frac{1}{4} = 1 \Rightarrow \frac{12}{x} = \frac{1}{4} \Rightarrow x = 48$ min.

Q83. Answer: (b)

Explanation: 25 posts = 24 intervals. Distance = 24×40 m = 960 m in 1 min. Speed = $(0.960 \text{ km}) / (1/60 \text{ hr}) = 57.6 \text{ km/h}$.

Q84. Answer: (b)

Explanation: Let still water speed be x . $\frac{5}{(x-2)} + \frac{5}{(x+2)} = \frac{4}{3} \Rightarrow \frac{10x}{(x^2-4)} = \frac{4}{3} \Rightarrow 4x^2 - 30x - 16 = 0 \Rightarrow (x-8)(2x+1) = 0 \Rightarrow x = 8 \text{ km/h}$.

Q85. Answer: (a)

Explanation: Each die has 5 outcomes other than 4. Favorable outcomes = $5 \times 5 = 25$ out of 36. Probability = $\frac{25}{36}$.

Q86. Answer: (b)

Explanation: Ways to choose 1 card from each of 4 suits = $13^4 = 28561$. Total ways = $52C4 = 270725$. Probability = $\frac{28561}{270725} = \frac{2197}{20825}$.

Q87. Answer: (a)

Explanation: $V_1/V_2 = (R_1/R_2)^2 \times (H_1/H_2) \Rightarrow \frac{1}{6} = (\frac{1}{2})^2 \times (H_1/H_2) \Rightarrow \frac{1}{6} = (\frac{1}{4}) \times (H_1/H_2) \Rightarrow H_1/H_2 = \frac{4}{6} = 2:3$.

Q88. Answer: (a)

Explanation: Total area = $\pi(8^2 + 6^2) = \pi(64 + 36) = 100\pi$. Radius of new park $R = \sqrt{100} = 10$ m.

Q89. Answer: (d)

Explanation: Remaining milk = $90 * (1 - 9/90)^n = 90 * (0.9)^n = 65.61 \Rightarrow (0.9)^n = 0.729 = (0.9)^3 \Rightarrow n = 3$ times.

Q90. Answer: (c)

Explanation: Failed in at least one subject = $n(M) + n(E) - n(M \cap E) = 32 + 40 - 22 = 50\%$. Passed in both = $100 - 50 = 50\%$.

Part D: Data Analysis and Sufficiency Solutions

Q91. Answer: (b)

Explanation: Geeta's total earnings = $140 + 200 + 420 + 400 = 1160$. Average = $1160 / 4 = ₹290$.

Q92. Answer: (d)

Explanation: Tuesday (Rahul 180 + Naveen 260 = 440) + Thursday (Rahul 340 + Naveen 160 = 500) = 440 + 500 = ₹940.

Q93. Answer: (c)

Explanation: Naveen's Wednesday earnings = $120 + 420$ (Geeta's donation) = ₹540.

Q94. Answer: (a)

Explanation: Rahul on Monday = 240. Geeta on Tuesday = 200. Difference = $240 - 200 = ₹40$.

Q95. Answer: (d)

Explanation: Naveen on Monday (360) : Wednesday (120) : Thursday (160) = $360:120:160 = 9:3:4$.

Q96. Answer: (c)

Explanation: From I: $p = q + 17$ and $p = r + 103$. From II: $p + q + r = 1703$. Combining both gives a single linear equation in p . Both statements together are necessary.

Q97. Answer: (b)

Explanation: From II: Area of ring = $\pi(R_1^2 - R_2^2) = (2/3)\pi R_1^2 \Rightarrow R_2^2 = (1/3)R_1^2 \Rightarrow R_1/R_2 =$ ratio of circumferences $C_1/C_2 = R_1/R_2 = \sqrt{3}:1$, Statement II alone is sufficient.

Q98. Answer: (d)

Explanation: From II: Sum of 7 consecutive numbers = $7a = 105 \Rightarrow a = 15$. From I: Product can also yield a unique set of whole numbers. Thus either I or II alone is sufficient.

Q99. Answer: (a)

Explanation: From I: $P = 1/3(Q+R+S) \Rightarrow Q+R+S = 3P$. Given $P + (Q+R+S) = 360 \Rightarrow 4P = 360 \Rightarrow P = 90$. Statement I alone is sufficient.

Q100. Answer: (b)

Explanation: From II: Total nominal value = $350 * ₹10 = ₹3500$. Dividend = ₹1500. Rate = $(1500/3500) * 100 = 42.8\%$. Statement II alone is sufficient.

Q101. Answer: (b)

Explanation: Max marks = E (382, 84.88%). Min marks = F (271, 60.22%). Difference = $84.88\% - 60.22\% = 24.66\% \approx 24\%$.

Q102. Answer: (c)

Explanation: Average English marks = $(105+90+75+78+120+76)/6 = 90.6 \approx 90$. C's Physics marks = 72.

Percentage = $(72/90) \times 100 = 80\%$.

Q103. Answer: (d)

Explanation: Average Physics marks = $(55+60+72+69+70+54)/6 = 63.33$. Students above 63.33 are C (72), D (69), E (70) -> 3 students.

Q104. Answer: (b)

Explanation: F's Physics + English = $54 + 76 = 130$. D's total marks = 321. Percentage = $(130/321) \times 100 = 40.5\% \approx 40\%$.

Q105. Answer: (d)

Explanation: Student E scored the highest total of 382 marks (84.88%) and stood first.

Q106. Answer: (a)

Explanation: Statements I & III together give: $2x+3 / x+3 = 24/17 \Rightarrow x = 21$, Suchitra = 42. Statement II is redundant and can be dispensed with.

Q107. Answer: (e)

Explanation: Statement II gives LP = $608/0.95 = ₹640$ directly. Statements I & III give LP = $500 \times 1.28 = ₹640$. Either Statement II alone or (I and III) together can be dispensed with.

Q108. Answer: (d)

Explanation: No statement provides the overall total or connects first class with total pass count.

Question cannot be answered.

Q109. Answer: (e)

Explanation: Statement I gives A:B = 2:3. Statement II gives A is 40%, B is 60% (same ratio 2:3). Given Statement III (A = ₹45000), either I or II can be dispensed with.

Q110. Answer: (c)

Explanation: Statement I gives length = 6 m, breadth = 4 m $\Rightarrow$ Area = 24 m^2 . Statement III gives unit rate. Statement II (perimeter) is not required and can be dispensed with.

Q111. Answer: (d)

Explanation: Total exports: In 2010 = $40 + 60 + 120 = ₹220$ crore. In 2011 = $70 + 60 + 90 = ₹220$ crore. Same in 2010 and 2011.

Q112. Answer: (d)

Explanation: Q's average = $560/7 = 80$ crore. R's average = $600/7 = 85.71$ crore. Percentage = $(80 / 85.71) \times 100 = 93.33\%$.

Q113. Answer: (c)

Explanation: Differences between P & Q: 2008: 50, 2009: 20, 2010: 20, 2011: 10, 2012: 20, 2013: 50, 2014: 20. Minimum is 10 crore in 2011.

Q114. Answer: (c)

Explanation: Average in 2008 = $170/3$ crore. Average in 2013 = $230/3$ crore. Difference = $(230 - 170)/3 = 60/3 = ₹20$ crore.

Q115. Answer: (c)

Explanation: Average annual exports of R = 85.71 crore. Exports were greater in 2009 (90), 2010 (120), 2011 (90), and 2014 (100) -> 4 years.

Q116. Answer: (c)

Explanation: A-type in 2012 = 20% of 42980 = 8596. A-type in 2013 = 22% of 48640 = 10700.8.
Percentage = $(10700.8 / 8596) * 100 \approx 125\%$.

Q117. Answer: (a)

Explanation: B-type increased from 6% of 42980 (2579) to 10% of 48640 (4864), an increase of 2285 employees, the highest absolute growth.

Q118. Answer: (a)

Explanation: B in 2013 (4864) - B in 2012 (2579) = 2285.

Q119. Answer: (d)

Explanation: A-type in 2013 = 10700.8 (which is $24.89\% \approx 25\%$ of 2012 base). In 2012, C (10%) + D (15%) = 25%. Thus C and D.

Q120. Answer: (a)

Explanation: B-type employee percentage jumped from 6% to 10% (a massive relative growth of 88.6%).

Part E: Indian and Global Environment Solutions

Q121. Answer: (a)

Explanation: Peter Baker, chief White House correspondent for The New York Times, authored 'Obama: The Call of History'.

Q122. Answer: (d)

Explanation: Meghalaya Chief Minister Conrad Sangma launched 'Walk to Work on Wednesday' under the Fit India campaign.

Q123. Answer: (b)

Explanation: Ministry of Housing & Urban Affairs launched the e-course on 'Vulnerability Atlas of India' to raise awareness about hazard-prone zones.

Q124. Answer: (b)

Explanation: India won the 2019 SAFF U-15 championship by defeating Nepal in the final at Kalyani Stadium, West Bengal.

Q125. Answer: (c)

Explanation: DAY-NULM won the SKOCH Governance Gold Award for its PAISA portal.

Q126. Answer: (b)

Explanation: Russian space agency Roscosmos (Glavkosmos) signed an agreement to train four Indian astronauts for Gaganyaan.

Q127. Answer: (a)

Explanation: Chief Election Commissioner Sunil Arora took over as Chairman of the Association of World Election Bodies (AWEB) for 2019-21.

Q128. Answer: (a)

Explanation: Oleksiy Honcharuk was appointed Prime Minister of Ukraine in August 2019.

Q129. Answer: (a)

Explanation: The theme for the International Day of Democracy on September 15, 2019, was 'Participation'.

Q130. Answer: (c)

Explanation: President Ram Nath Kovind unveiled a bronze bust of Mahatma Gandhi in Villeneuve, Switzerland, marking his 150th birth anniversary.

Q131. Answer: (c)

Explanation: Foundation stone for the Indian Institute of Skills (IIS) was laid in Mumbai, Maharashtra.

Q132. Answer: (a)

Explanation: Malawi became the first country to roll out the world's first malaria vaccine (RTS,S / Mosquirix).

Q133. Answer: (d)

Explanation: Anurag Kashyap's 'Gangs of Wasseypur' was the only Indian film included in The Guardian's 100 Best Films of the 21st Century.

Q134. Answer: (b)

Explanation: Dikshi Hydroelectric Project (24 MW) on river Phudungto was inaugurated in West Kameng, Arunachal Pradesh.

Q135. Answer: (a)

Explanation: ECGI introduced 'NIRVIK' scheme to enhance export credit availability with up to 90% insurance coverage.

Q136. Answer: (d)

Explanation: The 35th ASEAN Summit took place in Bangkok, Thailand in 2019 under the theme 'Advancing Partnership for Sustainability'.

Q137. Answer: (b)

Explanation: Rajiv Kumar (1984 batch IAS) was appointed Finance Secretary in 2019 succeeding Subhash Chandra Garg.

Q138. Answer: (c)

Explanation: Flipkart launched 'Samarth' to onboard Indian artisans, weavers, and rural craftsmen onto its e-commerce marketplace.

Q139. Answer: (b)

Explanation: NDTV journalist Ravish Kumar was awarded the 2019 Ramon Magsaysay Award for 'harnessing journalism to give voice to the voiceless'.

Q140. Answer: (a)

Explanation: Mumbai ranked 45th and New Delhi ranked 52nd in the Safe Cities Index 2019 published by EIU.

Q141. Answer: (c)

Explanation: India became the first nation in the world to launch the facial-biometric enabled Biometric Seafarer Identity Document (BSID).

Q142. Answer: (c)

Explanation: PVSindhu became the first Indian to clinch gold at the BWF World Championships in Basel, Switzerland in August 2019.

Q143. Answer: (a)

Explanation: India climbed 14 places to rank 63rd in the World Bank's Doing Business Report 2020.

Q144. Answer: (b)

Explanation: The World Youth Conference on Kindness was inaugurated by President Kovind at Vigyan Bhavan, New Delhi.

Q145. Answer: (d)

Explanation: Maharashtra achieved 1st rank in NITI Aayog's Agricultural Marketing and Farmer Friendly Reform Index (AMFFRI).

Q146. Answer: (b)

Explanation: Dr. Bhagwan Lal Sahni was appointed Chairman of the National Commission for Backward Classes (NCBC).

Q147. Answer: (a)

Explanation: MHRD launched 'STARS' (Scheme for Translational and Advanced Research in Science) to fund 500 science research projects.

Q148. Answer: (d)

Explanation: Mainamati Maitree Exercise was a joint border confidence-building exercise between BSF of India and BGB of Bangladesh.

Q149. Answer: (d)

Explanation: Priyanka Chopra was awarded UNICEF's Danny Kaye Humanitarian Award at the UNICEF Snowflake Ball 2019.

Q150. Answer: (a)

Explanation: Nipah virus outbreak occurred in Kozhikode and Malappuram districts of Kerala.