

# SBI PO Pre 2020

## Previous Year Solved Papers



**Direction:** Two sentences with one blank in each, followed by five alternatives, are given. Choose that option as the answer which can fill both the blanks of both the sentences.

1.

A) After supper, Longarm stepped out onto the sidewalk and took a \_\_\_\_\_ on his cheroot.

B) Anyone living an active lifestyle is bound to \_\_\_\_\_ a muscle eventually.

- A. Puff
- B. Tear
- C. Strain
- D. Pull
- E. Draw

**Direction:** Two sentences with one blank in each, followed by five alternatives, are given. Choose that option as the answer which can fill both the blanks of both the sentences.

2.

A) She spoke with total resignation and \_\_\_\_\_ defeat as she looked up at me.

B) No one has ever heard him \_\_\_\_\_ a groan or a word of complaint.

- A. Express
- B. Sheer
- C. Asseverate
- D. Utter
- E. Vocalize

**Direction:** Two sentences with one blank in each, followed by five alternatives, are given. Choose that option as the answer which can fill both the blanks of both the sentences.

3.

A) For them, the house's main \_\_\_\_\_ lay in its quiet country location.

B) The three-course menu is varied and good \_\_\_\_\_ for money.

- A. Merit
- B. Cost
- C. Price
- D. Principle
- E. Value

**Direction:** Two sentences with one blank in each, followed by five alternatives, are given. Choose that option as the answer which can fill both the blanks of both the sentences.

4.

A) Failing to \_\_\_\_\_ them to the good cause he was determined anyhow to organize the great cultivated middle class into a political party.

B) The Jacobites made an ineffectual \_\_\_\_\_ under Lord George Murray after the battle of Culloden.

- A. Rally
- B. Entice
- C. Convene
- D. Flock
- E. Rendezvous

**Direction:** Read the given passage carefully and answer the questions that follow. Certain words are printed in bold to help you locate them while answering some of the questions.

In the 1800s it was the Luddites smashing weaving machines. These days retail staff worry about automatic checkouts. Sooner or later taxi drivers will be **fretting** over self-driving cars. The battle between man and machines goes back centuries. Are they taking our jobs? Or are they merely easing our workload?

A study by economists at the consultancy Deloitte seeks to shed new light on the relationship between jobs and the rise of technology by



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trawling through census data for England and Wales going back to 1871.

Findings by Deloitte such as a fourfold rise in bar staff since the 1950s or a surge in the number of hairdressers this century suggest to the authors that technology has increased spending power, therefore creating new demand and new jobs.

Their study, shortlisted for the Society of Business Economists' Rybczynski prize, argues that the debate has been skewed towards the job-destroying effects of technological change, which are more easily observed than its creative aspects.

"The dominant trend is of contracting employment in agriculture and manufacturing being more than offset by rapid growth in the caring, creative, technology and business services sectors," they write.

"Machines will take on more repetitive and laborious tasks but seem no closer to eliminating the need for human labour than at any time in the last 150 years."

The study reveals that in some sectors, technology has quite clearly cost jobs, but Stewart and his colleagues question whether they are really jobs we would want to hold on to. Technology directly substitutes human muscle power and, in so doing, raises productivity and shrinks employment.

"Easy access to information and the accelerating pace of communication have revolutionised most knowledge-based industries," say the authors. At the same time, rising incomes have raised demand for professional services.

The Deloitte economists believe these rising incomes have allowed

consumers to spend more on personal services, such as grooming. That in turn has **driven** employment of hairdressers.

**Source:**

[https://www.theguardian.com/business/2015/aug/17/technology-created-more-jobs-than-destroyed-140-years-data-census?CMP=fb\\_gu](https://www.theguardian.com/business/2015/aug/17/technology-created-more-jobs-than-destroyed-140-years-data-census?CMP=fb_gu)

5.

According to the passage, what does the author mean when he says "The battle between man and machines goes back centuries" ?

- I. It has been around a century that the fight between man and machine is on, offering no clear results.
  - II. There seems to be no trace of any truce being reached in near future that might end the war between man and machine.
  - III. The emerging technologies and the effect on jobs have been a reason for the tussle between man and machine since ages.
- A. Only I
  - B. Only II
  - C. Only III
  - D. Both I and II
  - E. Both II and III

6.Which of the following statement(s) best fits the given blank in the passage?

- I. Technological progress has cut the prices of essentials, such as food, and the price of bigger household items such as TVs and kitchen appliances.
  - II. Their conclusion is unremittingly cheerful: rather than destroying jobs, technology has been a "great job-creating machine"
  - III. "In the UK the first sector to feel this effect on any scale was agriculture," says the study.
- A. Only I
  - B. Only II



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- C. Only III
- D. Both I and II
- E. All I, II and III

7.Which of the following is the MOST SIMILAR to the word given in bold as per its usage in the passage?

**Fretting**

- A. Comforting
- B. Worrying
- C. Sighing
- D. Appeasing
- E. Calming

8.Which of the following is the MOST SIMILAR to the word given in bold as per its usage in the passage?

**'Driven'**

- A. Plunged
- B. Escorted
- C. Sauntered
- D. Propelled
- E. Tramped

9.

Which of the following statement (s) is/are NOT TRUE with reference to the information provided in the passage?

- I. Job contraction in manufacturing and agriculture sector has been more than the rise in technology and business services sectors.
  - II. The study in question is focussed at finding the reasons for the rise in the employment of hairdressers.
  - III. Technology is a poor substitute of muscle power and human brain.
- A. Only I
  - B. Only II
  - C. Only III
  - D. Both II and III
  - E. All I, II and III

10.

Which of the following can be correctly inferred from the given passage?

I. Advent of newer technologies have resulted in decrease of incomes, leading to huge cuts in demands and thus new jobs.

II. Agriculture and manufacturing industries seem to have been most affected by the deployment of machines on the job front.

III. The evolution in communication technologies, has marked a remarkable growth in knowledge-based industry.

- A. Only I
- B. Only II
- C. Only III
- D. Both II and III
- E. Both I and II

11.Which of the following statement is TRUE with reference to the information provided in the passage?

- A. Machines are substituting muscle power and will eliminate the need for human labour in the next 150 years.
- B. There are no job shrinking effects observed in manufacturing industry.
- C. Technology deployment in various industries helps in raising productivity.
- D. The grooming industry has seen a drastic decrease in the recent years.
- E. None of the above

**Direction:** Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. The number corresponding to that part will be your answer. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.

12.

Customers of the museum are (1)/ in the processing of collecting and (2)/ preserving unique masks and (3)/ face shields from the current ones.  
(4)

- A. 2



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- B. 3
- C. 4
- D. 1
- E. No error

13. Goods manufactured in (1)/ Asia could have (2)/ dominated the Western market (3)/ due for its low price. (4)

- A. 4
- B. 1
- C. 2
- D. 3
- E. No error

14. The aircraft returned to (1)/ the airport soon after (2)/ the take off as the pilot (3)/ encountered some technical snags (4).

- A. 3
- B. 1
- C. 4
- D. 2
- E. No error

15. The amount disburse (1)/ was less (2)/ than the (3)/ original amount. (4)

- A. 3
- B. 1
- C. 4
- D. 2
- E. No error

**Direction:** In the following question, a idiom/phrase is given that is followed by three statements. All these three statements carry the given idiom/phrase. Identify the sentence(s) in which the idiom/phrase fits to make them grammatically correct and meaningful.

16.

### See eye to eye

I. Studios went to war with exhibitors and it's unclear if they'll ever **see eye to eye**.

II. The siblings did not **see eye to eye**, but their disagreements did not make them wrangle in public.

III. Wright **saw eye to eye** of the filmmaker Spike Lee, who featured him in a jeans commercial.

- A. Only I
- B. Only II
- C. Only III
- D. Both I and II
- E. Both II and III

### 17. Stone's throw away

I. The deal isn't yet a **stone's throw away**, but we're confident it will go ahead as hoped.

II. A jaw-dropping feat of volcanic architecture has risen in the Italian city of Nola, just a **stone's throw away** from the cataclysmic Mt. Vesuvius.

III. The doctors tell me that, unless I give up playing music, I'll be **stone's throw away** by the time I'm 40.

- A. Only I
- B. Only II
- C. Only III
- D. Both I and II
- E. Both II and III

### 18. Salad Days

I. He may have grown old, but he has shed none of the brashness and aggression of his **salad days**.

II. Many people sell old patio furniture, although you may have to be willing to use a little **salad day** to get used items back into shape.

III. The festival came at perfect timing for kids who suffered **salad days** in March due to the long, cold winter.

- A. Only I
- B. Only II
- C. Only III



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- D. Both I and II  
E. Both II and III

**Direction:** Rearrange the following six sentences (A), (B), (C), (D), and (E) in a proper sequence to form a meaningful paragraph and then answer the questions given below.

(A) An increasing number of products, product modifications, or services are now being imagined and brought to fruition in emerging and developing markets first.

(B) For example, many simple mobile phone applications have been first developed for the Kenyan or Indian markets, for instance, and then rolled out in developed markets.

(C) New product innovations used to be the province of developed markets with companies responding to the cues from the market by designing products and services that might once be introduced into emerging or developing markets.

(D) This traditional trickle-down sequence has been upended by the shortening of product life cycles, which now call for the nearly simultaneous launch of products across the world, and especially by the emergence of trickle-up innovation.

(E) Major technological breakthroughs would first be incorporated into products and services in developed markets, and only launched in emerging and developing markets years later.

19.  
Which of the following will be the **THIRD** statement after rearranging the paragraph?

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

- E. B

20.Which of the following will be the **SECOND** statement after rearranging the paragraph?

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

21.Which of the following will be the **FIFTH** statement after rearranging the paragraph?

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

22.Which of the following will be the **FOURTH** statement after rearranging the paragraph?

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

23.Which of the following will be the **FIRST** statement after rearranging the paragraph?

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

**Direction:** In this question, two columns I and II and three sentences are given, which are divided into two parts. Column I (A, B and C) consists of first half of each sentence and Column II (D, E and F) consists of second half of each sentence. Match column I with column II, so that the sentences formed are both meaningful and grammatically



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correct. Choose the option as your answer.

24.

I.

- A. It is easier to ship goods by plane than
- B. The farmers export their
- C. Air traffic controllers direct planes so

II.

- D. that they move about safe in the sky.
- E. by boat since not every city is connect to a waterway.
- F. surplus crops to many nations.
- A. A-D and B-E
- B. A-F and C-E
- C. B-F
- D. A-E and C-D
- E. None of these

25.

I.

- A. It was too dark to explore the grounds,
- B. Our migratory neighbours
- C. The nomad never stayed

II.

- D. so the crew was forced to return.
- E. in a city for more than two months.
- F. live in the Caribbean half the year.
- A. A-D and B-E
- B. A-F and C-E
- C. A-E
- D. C-D
- E. A-D and B-F

26.

I.

- A. The refugee convoy moved over three thousand
- B. Using her skills, the teacher was able
- C. The little girl liked to save her

II.

- D. to train students to read and write.
- E. he would be home late.

F. refugees safely across the border.

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

**Direction:** In the given statement some words have been highlighted. These words may not be at the correct place making the sentence grammatically and contextually incorrect. Choose the option which represents the correct sequence of words, which will make the sentence grammatically and contextually correct. If the sentence is correct as it is, choose E i.e. 'No rearrangement required' as your answer.

27.

According to study, we do not **past (A)** more complex jobs that we had in the **involve (B)**, but today jobs **performed (C)** numerous tasks that do not really need to be **have (D)**.

- A. BCAD
- B. DBAC
- C. BDAC
- D. DABC
- E. No rearrangement required

28. Climate change is **concern (A)** risks to human **emerging (B)** and well being and thus is **health (C)** as a serious **posing (D)** worldwide.

- A. DBCA
- B. BADC
- C. DCBA
- D. CBAD
- E. No rearrangement required

29. Being self-employed also means **finding (A)** yourself **unions (B)** the **without (C)** of HR department or trade **protection (D)**.

- A. ABDC
- B. ACDB
- C. CDAB



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D. DCAB

E. No rearrangement required

30. Peace **countries (A)** between the two warring **negotiations (B)** came to a standstill after a **official (C)** murdered an opponent's **citizen (D)**.

A. CADB

B. ACDB

C. BADC

D. DCAB

E. No rearrangement required

**निर्देश:** निम्नलिखित प्रश्न में दो समीकरण चर  $x$  और  $y$  में दिए गए हैं। आपको इन समीकरणों को हल करना है तथा  $x$  और  $y$  के बीच संबंध निर्धारित करना है।

31. I.  $x^2 = 256$

II.  $y^2 + 18y + 17 = 0$

A.  $y > x$

B.  $x > y$

C.  $x \leq y$

D.  $x \geq y$

E.  $x = y$  या कोई संबंध स्थापित नहीं किया जा सकता

32. I.  $2x^2 + 15x + 28 = 0$

II.  $2y^2 + 19y + 45 = 0$

A.  $y > x$

B.  $x > y$

C.  $x \leq y$

D.  $x \geq y$

E.  $x = y$  या कोई संबंध स्थापित नहीं किया जा सकता

33. I.  $6x^2 + 13x + 6 = 0$

II.  $15y^2 + 13y + 2 = 0$

A.  $y > x$

B.  $x > y$

C.  $x \leq y$

D.  $x \geq y$

E.  $x = y$  या कोई संबंध स्थापित नहीं किया जा सकता

34. I.  $x^2 - 15x + 56 = 0$

II.  $y^2 - 17y + 72 = 0$

A.  $y > x$

B.  $x > y$

C.  $x \leq y$

D.  $x \geq y$

E.  $x = y$  या कोई संबंध स्थापित नहीं किया जा सकता

35. I.  $x^2 - 14x + 13 = 0$

II.  $y^2 - 12y + 11 = 0$

A.  $y > x$

B.  $x > y$

C.  $x \leq y$

D.  $x \geq y$

E.  $x = y$  या कोई संबंध स्थापित नहीं किया जा सकता

36. I.  $4x^2 + 13x + 9 = 0$

II.  $4y^2 + 20y + 25 = 0$

A.  $y > x$

B.  $x > y$

C.  $x \leq y$

D.  $x \geq y$

E.  $x = y$  या कोई संबंध स्थापित नहीं किया जा सकता

**निर्देश:** निम्न प्रश्न में प्रश्न चिन्ह (?) के स्थान पर क्या अनुमानित मान आएगा? (आपसे सटीक मान की गणना करने की अपेक्षा नहीं है)

37.  $244.03 - 654.02 + ? \div 2.01 = 835.01$

A. 2520

B. 2460

C. 2370

D. 2340

E. 2490

$38.224.99 \div 3.01 + ? \text{ का } 25.01\% = 520.01$

A. 1760

B. 1805

C. 1780

D. 1689



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E. 1750

39.

- A. 44
- B. 41
- C. 52
- D. 38
- E. 50

40.  $\left(\frac{3.07}{4.01}\right)^2 \times 127.96 + 442.02 = ?$

- A. 529
- B. 514
- C. 503
- D. 497
- E. 490

41.  $326.99 \div 2.98 + 44.97 \times \frac{3.01}{5.02} = ?$

- A. 128
- B. 141
- C. 144
- D. 136
- E. 131

42.

$\sqrt{74.01 + 43.01 \times 4.99} = 74.01 - ?$

- A. 48
- B. 57
- C. 61
- D. 52
- E. 45

43. A, 45% काम को  $1\frac{1}{4}$  दिनों में पूरा करता है। B, 30% काम को 3 दिनों में पूरा करता है। यदि A, B और C एक साथ पूरे काम को 6  $\frac{1}{4}$  दिनों में समाप्त कर सकते हैं तो C, A से कितना कम कार्यकुशल है?

- A. 30%
- B. 20%
- C. 40%
- D. 50%
- E. 80%

44. X रुपये की धनराशि को एक स्कीम में निवेश किया जाता है जो 20 प्रतिशत की दर पर 2 वर्ष के लिए साधारण ब्याज प्रदान करती है। 2X रुपये की धनराशि को समान स्कीम में 3 वर्ष के लिए निवेश किया जाता है। यदि सापेक्षिक अवधियों के बाद ब्याज में 1524 रुपये का अंतर है, तो 3X का मान क्या है?

- A. 1905 रुपये
- B. 3810 रुपये
- C. 762 रुपये
- D. 2286 रुपये
- E. 5715 रुपये

45. पहली और दूसरी संख्या का औसत तीसरी संख्या के बराबर है। पहली और दूसरी संख्या का औसत, दूसरी और तीसरी संख्या के औसत से 9 कम है। पहली और दूसरी संख्या में कितना अंतर है?

- A. 18
- B. 30
- C. 36
- D. 45
- E. निर्धारित नहीं कर सकते

46. जब दो अंकीय संख्या के अंकों को आपस में बदला जाता है तो यह वास्तविक संख्या से 54 अधिक हो जाती है। दो अंकों का गुणनफल 16 है। वास्तविक संख्या क्या है?

- A. 19
- B. 44
- C. 82
- D. 28
- E. निर्धारित नहीं कर सकते

47. छह वर्ष बाद, A की आयु, B की आयु की  $\frac{5}{6}$  होगी। 4 वर्ष पहले, A और B की आयु का



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अनुपात 10 : 13 था। C की वर्तमान आयु कितनी है, जो A से 5 वर्ष बड़ा है?

- A. 24 वर्ष
- B. 29 वर्ष
- C. 30 वर्ष
- D. 34 वर्ष
- E. 19 वर्ष

48.एक मिश्रण में, दूध और पानी का अनुपात 6:1 है। 21 लीटर मिश्रण निकाला जाता है और मिश्रण में 77 लीटर पानी मिलाया जाता है। यदि परिणामी मिश्रण की कुल मात्रा, वास्तविक मिश्रण की मात्रा की दोगुनी है। वास्तविक मिश्रण में दूध की मात्रा कितनी थी?

- A. 24 लीटर
- B. 30 लीटर
- C. 48 लीटर
- D. 56 लीटर
- E. 40 लीटर

49.A और B ने एक साझेदारी में एक साथ व्यवसाय शुरू किया। B ने 8 महीने बाद व्यवसाय छोड़ दिया। वर्ष के अंत में लाभ 4000 रुपये है, जिसमें से B का लाभ 3000 रुपये है, B का निवेश A के निवेश से कितना प्रतिशत अधिक है?

- A. 450%
- B. 400%
- C. 350%
- D. 300%
- E. 250%

**निर्देश:** निम्नलिखित संख्या शृंखला में प्रश्न चिह्न (?) के स्थान पर क्या आना चाहिए?

50. 24, 12, 12, 18, 36, ?

- A. 36
- B. 54
- C. 72
- D. 90
- E. 108

51. 158, ?, 147, 197, 132, 214

- A. 184
- B. 195
- C. 174
- D. 190
- E. 210

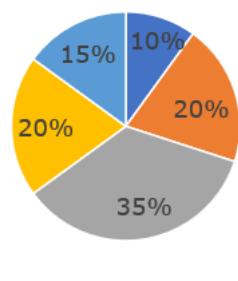
52. 4.8, 6.7, 10.5, 18.1, ?, 63.7

- A. 33.8
- B. 33.3
- C. 31.7
- D. 35.6
- E. 36.2

53. 3, 16, 65, 196, ?, 394

- A. 197
- B. 394
- C. 393
- D. 197
- E. 288

**निर्देश:** निम्नलिखित जानकारी को ध्यानपूर्वक पढ़ें और उस पर आधारित प्रश्नों के उत्तर दें। नीचे दिया गया ग्राफ एक दिन में 5 दुकानों (A, B, C, D और E) द्वारा बनाए गए केक की संख्या का प्रतिशत वितरण दर्शाता है। 5 दुकानों द्वारा बनाए गए केक की कुल संख्या 400 थी।



■ A ■ B ■ C ■ D ■ E

नीचे दी गई तालिका में बनाए गए केकों में से पांच दुकानों से ऑर्डर किए गए केक का प्रतिशत दिया गया है।



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दुकान	ऑर्डर किए गए केकों का प्रतिशत
A	60%
B	75%
C	80%
D	95%
E	90%

नोट:

केकों की संख्या (न बिके हुए) = बने हुए केकों की संख्या - ऑर्डर किए गए केकों की संख्या  
ऑर्डर किए गए सभी केक को बिका हुआ केक माना जाता है।

54. दुकान E से नहीं बिकने वाले केकों की संख्या दुकान D से नहीं बिकने वाले केकों की संख्या से कितने प्रतिशत अधिक है?

- A. 20%
- B. 50%
- C. 33.33%
- D. 62.5%
- E. इनमें से कोई नहीं

55. यदि सभी दुकानों द्वारा बनाए गए केकों की कुल संख्या को डिग्री पाई-चार्ट में वितरित किया जाता है, तो दुकान C के लिए केंद्रीय कोण क्या होगा?

- A.  $126^\circ$
- B.  $120^\circ$
- C.  $116^\circ$
- D.  $108^\circ$
- E.  $136^\circ$

56. दुकान D के लिए प्रत्येक केक बनाने की लागत 200 रुपये थी। बेचे गए 25% केक 175 रुपये में बेचे गए और शेष 250 रुपये में बेचे गए। यदि नहीं बिकने वाले केक से कोई राशि नहीं मिली, तो दुकान D के लिए कुल लाभ प्रतिशत क्या होगा?

- A. 12.23%
- B. 9.84%
- C. 16.67%
- D. 10.75%

E. 7.83%

57. दुकान C द्वारा बनाए गए केकों की संख्या और दुकान B द्वारा बेचे गए केकों की संख्या का अनुपात क्या है?

- A. 5 : 3
- B. 8 : 5
- C. 2 : 5
- D. 7 : 3
- E. इनमें से कोई नहीं

58. दुकान A, B और C से बिना बिके केकों में से 25% भिखारियों को दे दिए गए। शेष में से, 25% दुकानों के कर्मचारियों द्वारा खाए गए जबकि शेष अगले दिन 10% की हानि पर बेचे गए। यदि सभी दुकानों के लिए प्रत्येक केक बनाने की लागत 250 रुपये आती है, तो इन केक से अर्जित कुल धनराशि क्या थी?

- A. 7800 रुपये
- B. 8400 रुपये
- C. 9450 रुपये
- D. 7300 रुपये
- E. 8100 रुपये

59. यदि अगले दिन, दुकान B के लिए ऑर्डर किए गए केक की संख्या में 20% की वृद्धि हुई, जबकि दुकान B द्वारा बनाए गए केक की संख्या समान रही, तो दुकान B के नहीं बिकने वाले केकों की संख्या कितनी दुकानों से अधिक है?

- A. 1
- B. 3
- C. 2
- D. 4
- E. निर्धारित नहीं किया जा सकता

**निर्देश:** दी गई जानकारी को ध्यानपूर्वक पढ़ें और अनुसरण करने वाले प्रश्नों के उत्तर दें।



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नीचे दी गई तालिका 5 बसों (A, B, C, D, E) की क्षमता और उन सीटों के प्रतिशत को दर्शाती है जो बस की कुल क्षमता में से भरी हुई हैं।

बस	कुल बैठने की क्षमता	भरी सीटों का प्रतिशत
A	20	60%
B	30	80%
C	15	60%
D	N/A	70%
E	N/A	66.66%

कुछ जानकारी लुप्त है और इसे N/A से दर्शाया गया है।

नोट:

- A) सभी 5 बसों में एक साथ खाली सीटों की कुल संख्या 40 थी।
- B) बस D और E में एक साथ सीटों की कुल संख्या 65 थी।

60.

बस B, C, D और E की खाली सीटों का औसत कितना है?

- A. 16
- B. 8
- C. 24
- D. 22
- E. इनमें से कोई नहीं

61.यदि खाली सीटों की संख्या का वितरण एक डिग्री पाई-चार्ट पर करते हैं, तो बस A के लिए केंद्रीय कोण क्या होगा?

- A.  $75.6^\circ$
- B.  $104.4^\circ$
- C.  $72^\circ$
- D.  $54^\circ$
- E.  $86.4^\circ$

62.बस B की भरी सीटों की संख्या और बस A की खाली सीटों की संख्या का अनुपात कितना है?

- A. 3 : 1
- B. 4 : 1
- C. 4 : 3

D. 7 : 3

E. 2 : 1

63.यदि बस E में 20 प्रतिशत सीट पर 60 वर्ष से अधिक आयु के लोग बैठे हैं, 40% सीट पर महिलाएं बैठी हैं और 50% सीट पर 60 वर्ष से कम आयु के पुरुष बैठे हैं। उन सीटों की संख्या कितनी है जिन पर 60 वर्ष से अधिक आयु की महिलाएं बैठी हैं?

- A. 0
- B. 3
- C. 2
- D. 1
- E. निर्धारित नहीं कर सकते

64.बस D के 20 प्रतिशत यात्री यारीवली बस स्टॉप पर उतर जाते हैं और समान बस स्टॉप से 2 यात्री बस पर चढ़ते हैं। परिचालक यारीवली बस स्टॉप से शुल्क लेना शुरू करता है। बस पर वयस्कों और बच्चों की संख्या का अनुपात 2:1 है। यदि बस के किराए का कुल संग्रहण 800 रुपये हुआ तो प्रत्येक बच्चे के लिए बस का किराया कितना है?

मान लो की, अंतिम स्टॉप से पहले कोई अन्य स्टॉप नहीं है, यारीवली बस स्टॉप तक बस की टिकट निशुल्क थी और बच्चों की टिकट का मूल्य, वयस्कों की टिकट के मूल्य का आधा है।

- A. 8 रुपए
- B. 16 रुपए
- C. 24 रुपए
- D. 32 रुपए
- E. इनमें से कोई नहीं

65.बस C में खाली सीटों की संख्या और बस D में भरी सीटों की संख्या के बीच कितना अंतर है?

- A. 15
- B. 18



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- C. 25  
 D. 30  
 E. इनमें से कोई नहीं

**निर्देश:** निम्नलिखित जानकारी को ध्यानपूर्वक पढ़ें और दिए गए प्रश्नों के उत्तर दें:

आठ व्यक्ति A, B, C, D, E, F, G और H एक वर्गाकार मेज के चारों ओर बैठे हैं। उनमें से चार बाहर की ओर मुख करके कोर्नों पर बैठे हैं और शेष चार मेज की भुजाओं पर अंदर की ओर मुख करके बैठे हैं। H, C के बाएं दूसरे स्थान पर बैठता है। G, H के दाएं तीसरे स्थान पर बैठता है। E, G के बाएं दूसरे स्थान पर बैठता है। A, E के बाएं दूसरे स्थान पर बैठता है। B मेज की किसी एक मध्य भुजा पर बैठता है। B, E का निकटतम पड़ोसी नहीं है। D, F के बाएं दूसरे स्थान पर बैठता है।

66. H के दाईं ओर से गिने जाने पर H और A के बीच में कितने व्यक्ति बैठते हैं?

- A. दो  
 B. एक  
 C. तीन  
 D. तीन से अधिक  
 E. कोई नहीं

67. D के ठीक बाएं कौन बैठता है?

- A. C  
 B. G  
 C. B  
 D. H  
 E. उपरोक्त में से कोई नहीं

68. विषम ज्ञात कीजिए?

- A. C  
 B. G  
 C. D  
 D. H  
 E. F

69. निम्नलिखित में से किस युग्म का मुख बाहर की ओर है?

- A. D-B  
 B. H-A  
 C. F-C  
 D. G-H  
 E. उपरोक्त में से कोई नहीं

70. F के बाएं तीसरे स्थान पर कौन बैठता है?

- A. B  
 B. A  
 C. G  
 D. C  
 E. उपरोक्त में से कोई नहीं

71. यदि संख्या **729645138** में, प्रत्येक विषम संख्या में 1 घटाया जाए और प्रत्येक सम संख्या में 1 जोड़ दिया जाए, तो नई व्यवस्था में बाएं से तीसरे अंक और दाएं से चौथे अंक का गुणनफल क्या होगा?

- A. 45  
 B. 32  
 C. 54  
 D. 40  
 E. इनमें से कोई नहीं

**निर्देश:** नीचे दिए प्रश्न में तीन कथन दिए गए हैं जिनके दो निष्कर्ष दिए गए हैं। आपको दिए गए कथनों को सत्य मानना है भले ही वे वास्तविक ज्ञात तथ्यों से अलग ही क्यों न हो। सभी निष्कर्षों को पढ़ें और फिर निश्चय करें कि दिए गए निष्कर्षों में से कौन सा सामान्यतः ज्ञात तथ्यों की उपेक्षा करते हुए कथनों का तार्किक रूप से अनुसरण करता है।

72.

**कथन:**

- कोई पार्ट, कार्ट नहीं है  
 सभी कार्ट, बोर्ड हैं  
 कोई बोर्ड, गन नहीं है



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**निष्कर्षः**

- I. कुछ बोर्ड, पार्ट नहीं हैं।
- II. कोई गन, पार्ट नहीं है।
- A. केवल I अनुसरण करता है।
- B. केवल II अनुसरण करता है।
- C. या तो I या II अनुसरण करता है।
- D. न तो I न ही II अनुसरण करता है।
- E. I और II दोनों अनुसरण करते हैं।

**73.कथनः**

केवल कुछ पॉड, ड्राइव है  
कुछ ड्राइव, बॉन्ड है  
सभी बॉन्ड, फ्लैग हैं

**निष्कर्षः**

- I. सभी ड्राइव, फ्लैग हैं
- II. कुछ पॉड, ड्राइव नहीं हैं
- A. केवल I अनुसरण करता है।
- B. केवल II अनुसरण करता है।
- C. या तो I या II अनुसरण करता है।
- D. I और II दोनों अनुसरण करते हैं।
- E. न तो I न ही II अनुसरण करता है।

**74.कथनः**

सभी शिप, गैस हैं  
केवल कुछ गैस, हंट हैं  
कोई हंट, फ्लैस नहीं है

**निष्कर्षः**

- I. कुछ शिप, हंट हैं
- II. कोई शिप, हंट नहीं है
- A. केवल I अनुसरण करता है।
- B. केवल II अनुसरण करता है।
- C. या तो I या II अनुसरण करता है।
- D. I और II दोनों अनुसरण करते हैं।
- E. न तो I न ही II अनुसरण करता है।

**75.कथनः**

केवल कुछ कैल्ट, ड्रिल है  
सभी कैल्ट, पिन है  
सभी ड्रिल, ग्रॉस है

**निष्कर्षः**

- I. सभी ड्रिल के पिन होने की संभावना है
- II. कुछ ग्रॉस, कैल्ट नहीं हैं
- A. केवल I अनुसरण करता है।
- B. केवल II अनुसरण करता है।
- C. या तो I या II अनुसरण करता है।
- D. I और II दोनों अनुसरण करते हैं।
- E. न तो I न ही II अनुसरण करता है।

**76.शब्द 'HANDCRAFT'** में अक्षरों के ऐसे कितने युग्म हैं, जिनमें से प्रत्येक के बीच शब्द में उतने ही अक्षर हैं जितने अंग्रेजी वर्णमाला में होते हैं (आगे और पीछे दोनों ओर)?

- A. एक
- B. दो
- C. तीन
- D. तीन से अधिक
- E. कोई नहीं

**निर्देशः** निम्नलिखित जानकारी को पढ़ें और दिए गए प्रश्नों के उत्तर दें:

छह व्यक्ति अर्थात A, B, C, D, E और F एक कार्यक्रम में भाग लेने के लिए मसूरी जा रहे हैं, जो तीन महीने अर्थात मई, जून और जुलाई में दो अलग-अलग तारीखों अर्थात 13 और 28 तारीख को आयोजित किया जाता है। C 30 दिनों वाले महीने में कार्यक्रम में भाग लेता है। C और E के बीच दो व्यक्ति कार्यक्रम में शामिल होते हैं। E और A के बीच केवल एक व्यक्ति कार्यक्रम में भाग लेता है। B, A से पहले कार्यक्रम में भाग लेता है। B से पहले कार्यक्रम में भाग लेने वाले व्यक्ति की संख्या F के बाद



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कार्यक्रम में भाग लेने वाले व्यक्तियों की संख्या के समान है। D, F के बाद कार्यक्रम में शामिल होता है।

77. निम्नलिखित में से कौन 28 जुलाई को कार्यक्रम में भाग लेता है?

- A. F
- B. C
- C. D
- D. A
- E. इनमें से कोई नहीं

78. कितने व्यक्ति F से पहले कार्यक्रम में भाग लेते हैं?

- A. चार
- B. तीन
- C. एक
- D. कोई नहीं
- E. दो

79. B का जन्म निम्न में से किस तारीख को हुआ था?

- A. 13 जुलाई
- B. 28 मई
- C. 28 जून
- D. 28 जुलाई
- E. उपरोक्त में से कोई नहीं

80. B और C के बीच में कौन कार्यक्रम में भाग लेता है?

- A. D
- B. E
- C. A
- D. F
- E. इनमें से कोई नहीं

81. B के पहले कौन कार्यक्रम में भाग लेता है?

- A. C
- B. F

- C. E
- D. D
- E. उपरोक्त में से कोई नहीं

82. यदि शब्द 'AGGREGATION' के पहले, तीसरे, नवें और चौथवें अक्षरों से एक अर्थपूर्ण शब्द बनाना संभव है, तो उस शब्द में बाईं ओर से तीसरा अक्षर कौन सा होगा? यदि ऐसा कोई शब्द नहीं बनाया जा सकता है तो अपना उत्तर X के रूप में दें और यदि ऐसे एक से अधिक शब्द बन सकते हैं, तो अपना उत्तर Y के रूप में दें।

- A. I
- B. A
- C. X
- D. Y
- E. N

**निर्देश:** निम्नलिखित जानकारी को पढ़ें और दिए गए प्रश्नों के उत्तर दें।

एक घर में विभिन्न आयतन के छह कंटेनर हैं। प्रत्येक कंटेनर का आयतन केवल विषम संख्या में है। केवल C, E से भारी है। F, सबसे हल्का नहीं है। A, F से भारी है। दूसरा सबसे हल्के कंटेनर का आयतन 15 है और दूसरे सबसे भारी कंटेनर का आयतन 33 है। B, D से भारी है, लेकिन F से हल्का है।

83. यदि F का आयतन 17 है, तो निम्नलिखित में से कौन सा सत्य है?

- A. A का आयतन 21 हो सकता है
- B. A का आयतन 37 हो सकता है
- C. A का आयतन 9 हो सकता है
- D. A का आयतन 15 हो सकता है
- E. उपरोक्त में से कोई नहीं



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84.यदि कंटेनर C तथा B का कुल आयतन 54 है और E तथा D का कुल आयतन 42 है। तो, C तथा D का कुल आयतन क्या है?

- A. 52
- B. 24
- C. 48
- D. 21
- E. उपरोक्त में से कोई नहीं

85.D का संभावित भार क्या हो सकता है?

- A. 21
- B. 33
- C. 41
- D. 13
- E. उपरोक्त में से कोई नहीं

**निर्देश:** निम्नलिखित जानकारी को पढ़ें और दिए गए प्रश्नों के उत्तर दें:

कुछ व्यक्ति एक पंक्ति में उत्तर की ओर मुख करके बैठे हैं। T किसी एक छोर से तीसरे स्थान पर बैठता है। A और T के बीच में छह व्यक्ति बैठते हैं। A और T के बीच बैठने वाले व्यक्तियों की संख्या A और H के बीच बैठे व्यक्तियों की संख्या के समान है। A और G, जो C के दाएं चौथे स्थान पर बैठता है, के बीच तीन व्यक्ति बैठते हैं। K के बाईं ओर से गिनने पर C और K के बीच में नौ व्यक्ति बैठते हैं। A के दाएं बैठे व्यक्तियों की संख्या C के बाएं बैठे लोगों की संख्या से एक कम है। D और C के बीच में छह व्यक्ति बैठते हैं। D और J, जो किसी छोर से दूसरे स्थान पर बैठता है, के बीच केवल एक व्यक्ति बैठता है।

86. दी गई बैठक व्यवस्था में कितने व्यक्ति बैठे हैं?

- A. 27

- B. 31
- C. 28
- D. 24
- E. उपरोक्त में से कोई नहीं

87.निम्नलिखित में से कौन K के दाएं पांचवें स्थान पर बैठता है?

- A. G
- B. T
- C. A
- D. H
- E. उपरोक्त में से कोई नहीं

88.J और H के बीच में कितने व्यक्ति बैठते हैं?

- A. सात
- B. तीन
- C. नौ
- D. चार
- E. उपरोक्त में से कोई नहीं

89.निम्नलिखित में से कौन H और A के बीच में बैठता है?

- A. K
- B. T
- C. D
- D. G
- E. उपरोक्त में से कोई नहीं

90.D और C के बीच बैठे व्यक्तियों की संख्या \_\_\_\_\_ के बीच बैठे व्यक्तियों की संख्या के समान है।

- A. H और K
- B. K और D
- C. A और H
- D. J और C
- E. उपरोक्त में से कोई नहीं



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**निर्देश:** निम्नलिखित जानकारी को पढ़ें और दिए गए प्रश्नों के उत्तर दें:

सात सदस्यों अर्थात् A, B, C, D, H, M और V के परिवार में दो विवाहित युगल हैं। B, V की बहन और H की पुत्री है जो D का ससुर है। C और A भाई/बहन हैं। A, D की बहन है जो V का ब्रदर-इन-लों है। M की दो संतान हैं। C, B की सिस्टर-इन-लों हैं।

91. M, D से किस प्रकार संबंधित हैं?

- A. ससुर
- B. माता
- C. पिता
- D. सास
- E. उपरोक्त में से कोई नहीं

92. परिवार में कितने पुरुष सदस्य हैं?

- A. चार
- B. छह
- C. तीन
- D. निर्धारित नहीं किया जा सकता
- E. उपरोक्त में से कोई नहीं

93. निम्नलिखित में से कौन A की बहन है?

- A. C
- B. B
- C. M
- D. V
- E. इनमें से कोई नहीं

**निर्देश:** निम्नलिखित जानकारी को पढ़ें और दिए गए प्रश्नों के उत्तर दें:

नौ व्यक्ति अर्थात् J, K, L, M, N, O, P, Q और R एक XYZ कंपनी के तीन अलग-अलग विभागों एचआर, आईटी और प्रोडक्शन में काम

कर रहे हैं। कम से कम दो व्यक्ति और अधिकतम चार व्यक्ति एक ही विभाग में काम कर सकते हैं। L आईटी विभाग में काम नहीं करता है, लेकिन Q के साथ काम करता है। P आईटी विभाग में काम करता है। K, R के साथ काम करता है, लेकिन P और J के साथ काम नहीं करता है। J और P अलग-अलग विभागों में काम करते हैं। M, O के साथ काम करता है, लेकिन आईटी विभाग में नहीं। R और L विभिन्न विभागों में काम करते हैं। L प्रोडक्शन विभाग में काम नहीं करता है।

94. निम्नलिखित में से कौन सा सत्य है:

- A. M - प्रोडक्शन
- B. N - HR
- C. Q - IT
- D. R - IT
- E. L - प्रोडक्शन

95. निम्नलिखित पांच में से चार किसी निश्चित प्रकार से एक समान हैं और इसलिए एक समूह बनाते हैं। निम्नलिखित में से कौन सा उस समूह से संबंधित नहीं है?

- A. L-R
- B. P-Q
- C. K-N
- D. M-K
- E. N-O

96. निम्नलिखित में से कौन सा/ से कथन सत्य है/ हैं?

- I. R आईटी विभाग में काम करता है
- II. J, M और O के साथ काम करता है
- III. Q एचआर विभाग में काम करता है
- A. केवल I
- B. केवल II
- C. केवल III



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D. दोनों I और II

E. दोनों I और III

97. निम्नलिखित में से कौन N के साथ काम करता है?

A. Q

B. M

C. P

D. L

E. उपरोक्त में से कोई नहीं

98. निम्नलिखित में से कौन से युग्म एचआर विभाग में काम करते हैं?

A. R, M और N

B. L और N

C. L, Q और J

D. J, L, M और O

E. इनमें से कोई नहीं

**निर्देश:** निम्नलिखित जानकारी को पढ़ें और दिए गए प्रश्नों के उत्तर दें:

बिंदु P, बिंदु Q के 15 मीटर दक्षिण में है। बिंदु R, बिंदु P के 30 मीटर पूर्व में है। बिंदु S, बिंदु

R के 10 मीटर दक्षिण में है। बिंदु S, बिंदु T के 15 मीटर पूर्व में है और बिंदु U, बिंदु T के 10 मीटर उत्तर में है।

99. P के संदर्भ में S का क्या स्थान है?

A. दक्षिण-पश्चिम

B. दक्षिण-पूर्व

C. उत्तर-पश्चिम

D. उत्तर

E. इनमें से कोई नहीं

100. यदि एक लड़का बिंदु R पर उत्तर की ओर मुख करके खड़ा है, तो वह बिंदु U से कितनी दूर और किस दिशा में है?

A. 15 मीटर पश्चिम

B. 30 मीटर पूर्व

C. 15 मीटर पूर्व

D. 30 मीटर पश्चिम

E. इनमें से कोई नहीं



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## # ##ANSWERS##

1. Ans. D.

Statement A- According to the sentence the person took a puff from his cheroot. But puff does not fit in statement B. So 'pull' is the correct alternative.

Statement B- 'pull a muscle' is a correct phrase which means to overextend or strain a muscle, resulting in its injury.

Thus, option D is the correct answer.

2. Ans. D.

The first sentence requires an adjective that would be appropriate to describe 'defeat'. Sentence B uses that same word as a verb. Of all the given options only 'express', 'asseverate' and 'utter' can be used as a verb. But, only 'utter' can describe defeat.

As an adjective '**utter**' means 'absolute'. As a verb it means 'to say something aloud'.

Hence, the correct answer is option D.

3. Ans. E.

Statement A- the house is of importance because of its location.

Statement B- the money is well spent on the menu.

The only word that fits in both blanks is value.

4. Ans. A.

Sentence A has a verb in the blank. The same word acts as a noun in the sentence B. Only options A, D & E can be used both as a noun and a verb.

'Rendezvous' means 'to meet at a place or a meeting place'. When we say, 'to rendezvous', we mean that we are meeting *for* a cause, not *to* a cause. So, rendezvous is not the answer.

'Flock' is used to denote a group of birds but not humans. The subjects in

both the sentences are humans. So, 'flock' is a wrong choice.

'Rally' in the first sentence implies 'to reunite' and in the second sentence implies 'a mass meeting of people making a political protest or showing support for a cause'.

Hence, the correct answer is option A.

5. Ans. C.

As the passage concentrates on the technology and how it is impacting jobs, statement III seems to closely relate to the theme of the passage and the given sentence. Statements I and II make presumptions regarding the possible beginning and unforeseen end of the battle between man and machine which does not relate accurately to the theme of the passage.

Thus, option C is the correct answer.

6. Ans. B.

As the paragraph talks about conclusions and findings, the blank could be filled by II or III, but because III mentions 'this effect' which has no mention in the given sentences preceding it, we can rule out III. Note that the best-suited fit would be statement II, that concludes the result of the mentioned study.

7. Ans. B.

Note that when you fret over something, it consumes your thoughts and causes you to worry. Simply put it means to be worried and unhappy about something. Let us consider the meanings of the given words:

Comforting: to try to make somebody feel less worried or unhappy

Worrying: causing anxiety about actual or potential problems; alarming.

Appeasing: to make somebody calmer or less angry by agreeing to what he/she wants



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Calming: to become or to make somebody quiet or calm

Sighing: to let out a long, deep breath that shows you are tired, sad, disappointed, etc.

Of the given options, B turns out to be the closest synonym of the word 'fretting'.

8. Ans. D.

Note that the word 'driven' is used in the passage to mean that the increased expenditure of people on grooming has resulted in rise of employment of hairdressers. So, 'driven' would mean to cause somebody to be in a particular state.

Propelled: to cause someone to do an activity or be in a situation

Plunged: to push something suddenly and with force into something

Escorted: to take somebody somewhere

Tramped: to walk with slow heavy steps, especially for a long time

Sauntered: to walk without hurrying

Of the given alternatives, option D is the correct answer.

9. Ans. D.

As per the given information in the passage, both II and III are false.

Statement I is true as per the following lines "

"The dominant trend is of contracting employment in agriculture and manufacturing being more than offset by rapid growth in the caring, creative, technology and business services sectors"

As per this line "Technology directly substitutes human muscle power" it is evident that statement III is false and forms the part of the answer.

Due to this line, "Their study, shortlisted for the Society of Business Economists' Rybczynski prize, argues that the debate has been skewed towards the job-destroying effects of technological change, which are more

easily observed than its creative aspects", statement II is invalidated. It shows that the study was not about why employment rise is there for hairdressers but to find out what impact the technology is having on jobs.

10. Ans. B.

Statement I is incorrect and states the opposite of what is mentioned in the passage.

Statement II is an inference, that can be drawn from the following lines:

"The dominant trend is of contracting employment in agriculture and manufacturing being more than offset by rapid growth in the caring, creative, technology and business services sectors".

Statement III is a fact which is outrightly mentioned in the passage.

11. Ans. C.

All statements except C are false as per the given information in the passage.

The quote, "Technology directly substitutes human muscle power and, in so doing, raises productivity and shrinks employment," shows that statement C is correct.

The quote, "Machines will take on more repetitive and laborious tasks but seem no closer to eliminating the need for human labour than at any time in the last 150 years." invalidates option A.

The quote, "The dominant trend is of contracting employment in agriculture and manufacturing..." invalidates option B.

The quote, "The Deloitte economists believe these rising incomes have allowed consumers to spend more on personal services, such as grooming. That in turn has **driven** employment of hairdressers." invalidates option D. Thus, option C is the correct answer.

12. Ans. A.



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The error lies in the second part of the sentence. The part requires a noun, and being a verb, 'processing' is contextually incorrect. It needs to be replaced by the noun 'process'.

Thus, option A is the correct answer.

13. Ans. A.

The error lies in the fourth part of the sentence. The phrase 'due for' means needing, requiring, or expecting something to happen, which is contextually incorrect. It needs to be replaced by the phrase 'due to' which is used to provide reason for something, as in "dominated the Western market due to its low price", where low price becomes the reason for domination.

Thus, option A is the correct answer.

14. Ans. E.

There is no error in the given sentence.

15. Ans. B.

The error lies in the first part of the sentence. The verb 'disburse' needs to be in its past form to complement the preceding helping verb 'was'.

Thus, the correct answer is option B.

16. Ans. D.

See eye to eye means to agree fully with someone or be in full agreement. The phrase has been used correctly in statements I and II.

In the statement III, the correct phrase would have been to catch someone's eye. Note that if you catch someone's eye, you do something to attract their attention, so that you can speak to them.

17. Ans. B.

Note that the given phrase 'stone's throw away' means 'a short distance'. The second statement is correct.

The correct phrase to be used in statement I would be 'carved in stone', which means 'Permanently fixed or firmly established; incapable of being changed'.

In the third statement, the correct phrase would be 'stone deaf' which means completely deaf as the given sentence talks about music.

18. Ans. A.

Salad days: The period when one is young and inexperienced.

Since the first sentence tries to compare a person's behaviour in his old age with that of his 'salad day', the usage of the phrase indicating youth and inexperience becomes appropriate here.

In II, the correct idiom will be 'elbow grease', meaning 'hard physical work, especially vigorous polishing or cleaning', since it talks about trying to refurbish old patio furniture.

In III, the correct idiom will be 'Cabin-fever', meaning 'distressing claustrophobic irritability or restlessness experienced when a person, or group, is stuck at an isolated location or in confined quarters for an extended time', since it talks about children being stuck inside due to cold weather.

So, the correct answer is A.

19. Ans. C.

The passage is about the change in the product launching practices adopted by companies in the current times. Statement C introduces the topic i.e. "New product innovations" and the practice of introduction in developed markets first and in the emerging markets later on. So, C will be the first statement. As stated in C, the designing of products and services was first done in response to the cues obtained from developed markets. Further elaborating on the process, follows statement E which mentions major technological breakthroughs would first be incorporated into products and services in developed markets. So, C will be followed by E. The change in



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practice has been first mentioned in statement D, which refers to the earlier practice as a trickle-down sequence and explains the change in practice i.e. simultaneous launch of products across the world. So, E will be followed by D. Statement A further elaborates on the current practice and thus will follow D. B provides an example of the fact mentioned in A and thus is the apt concluding statement.

So, the correct logical order is CEDAB.

So, the correct option is C.

20. Ans. D.

The passage is about the change in the product launching practices adopted by companies in the current times. Statement C introduces the topic i.e. "New product innovations" and the practice of introduction in developed markets first and in the emerging markets later on. So, C will be the first statement. As stated in C, the designing of products and services was first done in response to the cues obtained from developed markets. Further elaborating on the process, follows statement E which mentions major technological breakthroughs would first be incorporated into products and services in developed markets. So, C will be followed by E. The change in practice has been first mentioned in statement D, which refers to the earlier practice as a trickle-down sequence and explains the change in practice i.e. simultaneous launch of products across the world. So, E will be followed by D. Statement A further elaborates on the current practice and thus will follow D. B provides an example of the fact mentioned in A and thus is the apt concluding statement.

So, the correct logical order is CEDAB.

So, the correct option is D.

21. Ans. E.

The passage is about the change in the product launching practices adopted by companies in the current times. Statement C introduces the topic i.e. "New product innovations" and the practice of introduction in developed markets first and in the emerging markets later on. So, C will be the first statement. As stated in C, the designing of products and services was first done in response to the cues obtained from developed markets. Further elaborating on the process, follows statement E which mentions major technological breakthroughs would first be incorporated into products and services in developed markets. So, C will be followed by E. The change in practice has been first mentioned in statement D, which refers to the earlier practice as a trickle-down sequence and explains the change in practice i.e. simultaneous launch of products across the world. So, E will be followed by D. Statement A further elaborates on the current practice and thus will follow D. B provides an example of the fact mentioned in A and thus is the apt concluding statement.

So, the correct logical order is CEDAB.

So, the correct option is E.

22. Ans. B.

The passage is about the change in the product launching practices adopted by companies in the current times. Statement C introduces the topic i.e. "New product innovations" and the practice of introduction in developed markets first and in the emerging markets later on. So, C will be the first statement. As stated in C, the designing of products and



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services was first done in response to the cues obtained from developed markets. Further elaborating on the process, follows statement E which mentions major technological breakthroughs would first be incorporated into products and services in developed markets. So, C will be followed by E. The change in practice has been first mentioned in statement D, which refers to the earlier practice as a trickle-down sequence and explains the change in practice i.e. simultaneous launch of products across the world. So, E will be followed by D. Statement A further elaborates on the current practice and thus will follow D. B provides an example of the fact mentioned in A and thus is the apt concluding statement.

So, the correct logical order is CEDAB.

So, the correct option is B.

23. Ans. E.

The passage is about the change in the product launching practices adopted by companies in the current times. Statement C introduces the topic i.e. "New product innovations" and the practice of introduction in developed markets first and in the emerging markets later on. So, C will be the first statement. As stated in C, the designing of products and services was first done in response to the cues obtained from developed markets. Further elaborating on the process, follows statement E which mentions major technological breakthroughs would first be incorporated into products and services in developed markets. So, C will be followed by E. The change in practice has been first mentioned in statement D, which refers to the earlier practice as a trickle-down sequence and explains the change in

practice i.e. simultaneous launch of products across the world. So, E will be followed by D. Statement A further elaborates on the current practice and thus will follow D. B provides an example of the fact mentioned in A and thus is the apt concluding statement.

So, the correct logical order is CEDAB.

So, the correct option is E.

24. Ans. C.

A-E can be connected but it is grammatically incorrect due to the usage of base form of the verb 'connected'.

B-F form a coherent pair as F mentions what the farmers export. C-D could have formed a coherent pair contextually, but the use of the adjective 'safe' instead of the adverb 'safely' to qualify the verb 'move about' makes the sentence grammatically incorrect.

25. Ans. E.

A-D form a coherent pair

B-F form a contextually and grammatically correct pair.

C-E is a contextual pair, but is grammatically incorrect due to the presence of past participle of 'stay' to state a rather universal fact, which is customarily stated in the present tense.

26. Ans. D.

A-F and B-D form contextually and grammatically correct pair. C cannot be paired with E as the contexts do not match.

27. Ans. D.

The correct sequence is DABC. The first position needs an auxiliary verb. Thus, word D must be placed at the beginning. This negates option A and option C. Now in the sentence, we are talking about a system in the past. Thus, word A must be in second place.



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This makes option D the correct answer.

28. Ans. C.

The correct sequence is DCBA.

29. Ans. B.

The correct order is ACDB.

30. Ans. C.

The correct order is BADC.

31. Ans. E.

$$x^2 = 256$$

$$\Rightarrow x = 16, -16$$

$$y^2 + 18y + 17 = 0$$

$$\Rightarrow y^2 + 17y + y + 17 = 0$$

$$\Rightarrow y(y + 17) + 1(y + 17) = 0$$

$$\Rightarrow (y + 17)(y + 1) = 0$$

$$\Rightarrow y = -17, -1$$

Thus, no relation can be established.

32. Ans. B.

$$2x^2 + 15x + 28 = 0$$

$$\Rightarrow 2x^2 + 8x + 7x + 28 = 0$$

$$\Rightarrow 2x(x + 4) + 7(x + 4) = 0$$

$$\Rightarrow (2x + 7)(x + 4) = 0$$

$$\Rightarrow x = -4, -\frac{7}{2}$$

$$2y^2 + 19y + 45 = 0$$

$$\Rightarrow 2y^2 + 10y + 9y + 45 = 0$$

$$\Rightarrow 2y(y + 5) + 9(y + 5) = 0$$

$$\Rightarrow (y + 5)(2y + 9) = 0$$

$$\Rightarrow y = -5, -\frac{9}{2}$$

Thus,  $x > y$

33. Ans. C.

I.  $6x^2 + 13x + 6 = 0$

$$\Rightarrow 6x^2 + 9x + 4x + 6 = 0$$

$$\Rightarrow 3x(2x + 3) + 2(2x + 3) = 0$$

$$\Rightarrow (3x + 2)(2x + 3) = 0$$

$$\Rightarrow x = -\frac{2}{3}, -\frac{3}{2}$$

II.  $15y^2 + 13y + 2 = 0$

$$\Rightarrow 15y^2 + 10y + 3y + 2 = 0$$

$$\Rightarrow 5y(3y + 2) + 1(3y + 2) = 0$$

$$\Rightarrow (3y + 2)(5y + 1) = 0$$

$$\Rightarrow y = -\frac{2}{3}, -\frac{1}{5}$$

Thus,  $x \leq y$

34. Ans. C.

$$x^2 - 15x + 56 = 0$$

$$\Rightarrow x^2 - 8x - 7x + 56 = 0$$

$$\Rightarrow x(x - 8) - 7(x - 8) = 0$$

$$\Rightarrow (x - 8)(x - 7) = 0$$

$$\Rightarrow x = 7, 8$$

$$y^2 - 17y + 72 = 0$$

$$\Rightarrow y^2 - 8y - 9y + 72 = 0$$

$$\Rightarrow y(y - 8) - 9(y - 8) = 0$$

$$\Rightarrow (x - 8)(x - 9) = 0$$

$$\Rightarrow y = 8, 9$$

Thus,  $x \leq y$

35. Ans. E.

**I.**  $x^2 - 14x + 13 = 0$

$$\Rightarrow x^2 - 13x - x + 13 = 0$$

$$\Rightarrow x(x - 13) - 1(x - 13) = 0$$

$$\Rightarrow (x - 13)(x - 1) = 0$$

$$\Rightarrow x = 1, 13$$

**II.**  $y^2 - 12y + 11 = 0$

$$\Rightarrow y^2 - 11y - y + 11 = 0$$

$$\Rightarrow y(y - 11) - 1(y - 11) = 0$$

$$\Rightarrow (y - 11)(y - 1) = 0$$

$$\Rightarrow y = 1, 11$$

Thus, no relation can be established.

36. Ans. B.

$$4x^2 + 13x + 9 = 0$$

$$\Rightarrow 4x^2 + 4x + 9x + 9 = 0$$

$$\Rightarrow 4x(x + 1) + 9(x + 1) = 0$$

$$\Rightarrow (4x + 9)(x + 1) = 0$$

$$\Rightarrow x = -\frac{9}{4}, -1$$

$$4y^2 + 20y + 25 = 0$$

$$\Rightarrow 4y^2 + 10y + 10y + 25 = 0$$

$$\Rightarrow 2y(2y + 5) + 5(2y + 5) = 0$$

$$\Rightarrow (2y + 5)(2y + 5) = 0$$

$$\Rightarrow y = -\frac{5}{2}$$

Thus,  $x > y$

37. Ans. E.

By approximation,

?

$$\frac{?}{2} = 835 + 654 - 244$$

?

$$\Rightarrow \frac{?}{2} = 1489 - 244$$

?

$$\Rightarrow \frac{?}{2} = 1245$$

$$\Rightarrow ? = 2490$$

38. Ans. C.

By approximation,

$$225 \div 3 + 25\% \text{ of } ? = 520$$



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$$\Rightarrow \frac{?}{4} = 520$$

$$\Rightarrow ? = 520 \times 4$$

$$\Rightarrow ? = 445$$

$$\Rightarrow ? = 1780$$

39. Ans. A.

$$\frac{16 \cdot 0.1^2 + \sqrt[3]{342.98} + 1}{6 \cdot 0.1} = ?$$

By approximation,

$$? = \frac{16^2 + \sqrt[3]{343} + 1}{6} = \frac{256 + 7 + 1}{6} = 44$$

40. Ans. B.

By approximation,

$$? = \left(\frac{3}{4}\right)^2 \times 128 + 442$$

$$= \frac{9}{16} \times 128 + 442$$

$$= 9 \times 8 + 442$$

$$= 72 + 442$$

$$= 514$$

41. Ans. D.

By approximation,

$$? = \frac{327}{3} + 45 \times \frac{3}{5}$$

$$= 109 + 9 \times 3$$

$$= 109 + 27$$

$$= 136$$

42. Ans. B.

By approximation,

$$74 - ? = \sqrt{74 + 43 \times 5}$$

$$\Rightarrow ? = 74 - \sqrt{74 + 215}$$

$$= 74 - \sqrt{289}$$

$$= 74 - 17$$

$$= 57$$

43. Ans. D.

$$\text{Work done by A in 1 day} = \frac{\frac{45}{4}}{30} = 4\%$$

$$\text{Work done by B in 1 day} = \frac{3}{30} = 10\%$$

Work done by A, B and C together in

$$1 \text{ day} = \frac{\frac{100}{25}}{4} = 16\%$$

Work done by C in 1 day =  $(16 - 4 + 10)\% = 2\%$

$$\text{Required percentage} = \frac{4 - 2}{4} \times 100 = 50\%$$

44. Ans. E.

According to question,

$$60\% \text{ of } 2X - 40\% \text{ of } X = 1524$$

$$\Rightarrow 1.2X - 0.4X = 1524$$

$$\Rightarrow \frac{1524}{0.8} = 1905$$

$$\Rightarrow 3X = 3 \times 1905 = \text{Rs. 5715}$$

45. Ans. C.

Let the numbers be a, b and c.

According to question,

$$a + b = 2c \dots\dots(1)$$

$$\frac{a+b}{2} = \frac{b+c}{2} - 9$$

$$\Rightarrow a + b = b + c - 18$$

$$\Rightarrow c = a + 18 \dots\dots(2)$$

Putting value of c from eq. (2) in eq.

(1) we get:

$$a + b = 2(a + 18)$$

$$\Rightarrow b = a + 36$$

46. Ans. D.

Let the number be xy.

According to question,

$$10y + x - (10x + y) = 54$$

$$\Rightarrow 9y - 9x = 54$$

$$\Rightarrow y - x = 6 \Rightarrow y = (6 + x) \dots\dots(1)$$

$$\text{Also, } xy = 16 \dots\dots(2)$$

From (1) and (2) we get:

$$x(6 + x) = 16$$

$$\Rightarrow x = 2$$

$$\text{Thus, } y = 2 + 6 = 8$$

Original number = 28

47. Ans. B.

Let the ages of A and b 6 years hence be 5x and 6x respectively.

According to question,

$$\frac{5x-10}{6x-10} = \frac{10}{13}$$

$$\Rightarrow \frac{x-2}{6x-10} = \frac{2}{13}$$

$$\Rightarrow 13x - 26 = 12x - 20$$

$$\Rightarrow x = 6$$

$$\text{Present Age of C} = 5x - 1 = 5 \times 6 - 1 = 29 \text{ years}$$



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48. Ans. C.

Let the quantity of milk and water be  $6x$  and  $x$  respectively.

Quantity of milk removed from

$$\text{mixture} = \frac{6}{7} \times 21 = 18 \text{ litres}$$

Quantity of water removed from

$$\text{mixture} = \frac{1}{7} \times 21 = 3 \text{ litres}$$

According to question,

$$7x - 21 + 77 = 2 \times 7x$$

$$\Rightarrow 7x = 56 \Rightarrow x = 8$$

Quantity of milk in original mixture =  $6 \times 8 = 48$  litres

49. Ans. C.

Let the investments of A and B are Rs.  $x$  and Rs.  $y$  respectively.

Ratio of Profit A : B =  $(4000 - 3000) : 3000 = 1 : 3 = x \times 12 : y \times 8$

$$\frac{1}{3} = \frac{12x}{8y}$$

$$\Rightarrow 8y = 36x$$

$$\Rightarrow y = 4.5x$$

$$\frac{4.5x - x}{x} =$$

Required percentage =  $\frac{4.5x - x}{x} \times 100 = 350\%$

Hence, the answer is option C.

50. Ans. D.

The pattern of the series is:

$$24 \times 0.5 = 12$$

$$12 \times 1 = 12$$

$$12 \times 1.5 = 18$$

$$18 \times 2 = 36$$

$$36 \times 2.5 = 90$$

Hence, the answer is option D.

51. Ans. A.

The pattern of the series is:

$$158 + (5^2 + 1) = 184$$

$$184 - (6^2 + 1) = 147$$

$$147 + (7^2 + 1) = 197$$

$$197 - (8^2 + 1) = 132$$

$$132 + (9^2 + 1) = 214$$

Hence, the answer is option A.

52. Ans. B.

The pattern of the series is:

$$4.8 \times 2 - 2.9 = 6.7$$

$$6.7 \times 2 - 2.9 = 10.5$$

$$10.5 \times 2 - 2.9 = 18.1$$

$$18.1 \times 2 - 2.9 = 33.3$$

$$33.3 \times 2 - 2.9 = 63.7$$

Hence, the answer is option B.

53. Ans. C.

The pattern of the series is:

$$3 \times 5 + 1 = 16$$

$$16 \times 4 + 1 = 65$$

$$65 \times 3 + 1 = 196$$

$$196 \times 2 + 1 = 393$$

$$393 \times 1 + 1 = 394$$

Hence, the answer is option C.

54. Ans. B.

Shop	No. of baked cakes	No. of sold cakes	No. of unsold cakes
A	$400 \times 0.1 = 40$	$40 \times 0.60 = 24$	$40 - 24 = 16$
B	$400 \times 0.2 = 80$	$80 \times 0.75 = 60$	$80 - 60 = 20$
C	$400 \times 0.35 = 140$	$140 \times 0.80 = 112$	$140 - 112 = 28$
D	$400 \times 0.2 = 80$	$80 \times 0.95 = 76$	$80 - 76 = 4$
E	$400 \times 0.15 = 60$	$60 \times 0.90 = 54$	$60 - 54 = 6$

$$\text{Required percentage} = \frac{6 - 4}{4} \times 100 = 50\%$$

55. Ans. A.

Shop	No. of baked cakes	No. of sold cakes	No. of unsold cakes
A	$400 \times 0.1 = 40$	$40 \times 0.60 = 24$	$40 - 24 = 16$
B	$400 \times 0.2 = 80$	$80 \times 0.75 = 60$	$80 - 60 = 20$
C	$400 \times 0.35 = 140$	$140 \times 0.80 = 112$	$140 - 112 = 28$
D	$400 \times 0.2 = 80$	$80 \times 0.95 = 76$	$80 - 76 = 4$
E	$400 \times 0.15 = 60$	$60 \times 0.90 = 54$	$60 - 54 = 6$

$$\text{Required central angle} = 35 \times \frac{100}{360^\circ} = 126^\circ$$

56. Ans. B.

Shop	No. of baked cakes	No. of sold cakes	No. of unsold cakes
A	$400 \times 0.1 = 40$	$40 \times 0.60 = 24$	$40 - 24 = 16$
B	$400 \times 0.2 = 80$	$80 \times 0.75 = 60$	$80 - 60 = 20$
C	$400 \times 0.35 = 140$	$140 \times 0.80 = 112$	$140 - 112 = 28$
D	$400 \times 0.2 = 80$	$80 \times 0.95 = 76$	$80 - 76 = 4$
E	$400 \times 0.15 = 60$	$60 \times 0.90 = 54$	$60 - 54 = 6$

Cost of baking for shop D =  $200 \times 80 = \text{Rs. } 16000$

Selling price of 76 cakes for shop D =  $19 \times 175 + 57 \times 250 = \text{Rs. } 17575$

Profit =  $17575 - 16000 = \text{Rs. } 1575$

$$\text{Profit percentage} = \frac{1575}{16000} \times 100 = 9.84\%$$

57. Ans. D.

Shop	No. of baked cakes	No. of sold cakes	No. of unsold cakes
A	$400 \times 0.1 = 40$	$40 \times 0.60 = 24$	$40 - 24 = 16$
B	$400 \times 0.2 = 80$	$80 \times 0.75 = 60$	$80 - 60 = 20$
C	$400 \times 0.35 = 140$	$140 \times 0.80 = 112$	$140 - 112 = 28$
D	$400 \times 0.2 = 80$	$80 \times 0.95 = 76$	$80 - 76 = 4$
E	$400 \times 0.15 = 60$	$60 \times 0.90 = 54$	$60 - 54 = 6$

Required ratio =  $140 : 60 = 7 : 3$



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58. Ans. E.

Shop	No. of baked cakes	No. of sold cakes	No. of unsold cakes
A	$400 \times 0.1 = 40$	$40 \times 0.60 = 24$	$40 - 24 = 16$
B	$400 \times 0.2 = 80$	$80 \times 0.75 = 60$	$80 - 60 = 20$
C	$400 \times 0.35 = 140$	$140 \times 0.80 = 112$	$140 - 112 = 28$
D	$400 \times 0.2 = 80$	$80 \times 0.95 = 76$	$80 - 76 = 4$
E	$400 \times 0.15 = 60$	$60 \times 0.90 = 54$	$60 - 54 = 6$

No. of cakes unsold from shops A, B and C =  $16 + 20 + 28 = 64$

No. of cakes given to beggars = 25% of 64 = 16

No. of cakes eaten by staff = 25% of  $(64 - 16) = 12$

Remaining cakes =  $64 - 16 - 12 = 36$

Amount earned by selling 36 cakes =  $36 \times 250 \times 0.9 = \text{Rs. } 8100$

59. Ans. C.

Shop	No. of baked cakes	No. of sold cakes	No. of unsold cakes
A	$400 \times 0.1 = 40$	$40 \times 0.60 = 24$	$40 - 24 = 16$
B	$400 \times 0.2 = 80$	$80 \times 0.75 = 60$	$80 - 60 = 20$
C	$400 \times 0.35 = 140$	$140 \times 0.80 = 112$	$140 - 112 = 28$
D	$400 \times 0.2 = 80$	$80 \times 0.95 = 76$	$80 - 76 = 4$
E	$400 \times 0.15 = 60$	$60 \times 0.90 = 54$	$60 - 54 = 6$

No. of cakes sold by B after 20% increase = 120% of 60 = 72

No. of unsold cakes for B =  $80 - 72 = 8$

Thus, the number of cakes unsold by Shop B is still more than two shops, i.e. D and E.

60. Ans. B.

For bus A,

Number of filled seats =  $20 \times 0.6 = 12$

Number of vacant seats =  $20 - 12 = 8$

Similarly, for bus B and C

Number of filled seats for bus B =  $30 \times 0.8 = 24$

Number of vacant seats for bus B =  $30 - 24 = 6$

Number of filled seats for bus C =  $15 \times 0.6 = 9$

Number of vacant seats for bus C =  $15 - 9 = 6$

Let the number of seats in buses D and E be D and E respectively and number of vacant seats in buses D and E be D' and E' respectively.

$D + E = 65 \dots (1)$

$D' + E' = 40 - (8 + 6 + 6) = 20$

$$\Rightarrow D \times (1 - 0.7) + E \times (1 - 0.66) = 20$$

$$\Rightarrow 0.3D + 0.33E = 20 \dots (2)$$

Using equations (1) and (2)

$$D = 50, E = 15, D' = 15, E' = 5$$

Bus	Number of seats	Number of filled seats	Number of vacant seats
A	20	12	8
B	30	24	6
C	15	9	6
D	50	35	15
E	15	10	5

$$\frac{6 + 6 + 15 + 5}{4} =$$

$$\frac{32}{4} = 8$$

Hence, the required answer is option B.

61. Ans. C.

For bus A,

Number of filled seats =  $20 \times 0.6 = 12$

Number of vacant seats =  $20 - 12 = 8$

Similarly, for bus B and C

Number of filled seats for bus B =  $30 \times 0.8 = 24$

Number of vacant seats for bus B =  $30 - 24 = 6$

Number of filled seats for bus C =  $15 \times 0.6 = 9$

Number of vacant seats for bus C =  $15 - 9 = 6$

Let the number of seats in buses D and E be D and E respectively and number of vacant seats in buses D and E be D' and E' respectively.

$$D + E = 65 \dots (1)$$

$$D' + E' = 40 - (8 + 6 + 6) = 20$$

$$\Rightarrow D \times (1 - 0.7) + E \times (1 - 0.66) = 20$$

$$\Rightarrow 0.3D + 0.33E = 20 \dots (2)$$

Using equations (1) and (2)

$$D = 50, E = 15, D' = 15, E' = 5$$

Bus	Number of seats	Number of filled seats	Number of vacant seats
A	20	12	8
B	30	24	6
C	15	9	6
D	50	35	15
E	15	10	5



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Required central angle =  
 $\frac{8}{8+6+6+15+5} \times 360 = 72^\circ$

Hence, the required answer is option C.

62. Ans. A.

For bus A,

Number of filled seats =  $20 \times 0.6 = 12$

Number of vacant seats =  $20 - 12 = 8$

Similarly, for bus B and C

Number of filled seats for bus B =  $30 \times 0.8 = 24$

Number of vacant seats for bus B =  $30 - 24 = 6$

Number of filled seats for bus C =  $15 \times 0.6 = 9$

Number of vacant seats for bus C =  $15 - 9 = 6$

Let the number of seats in buses D and E be D and E respectively and number of vacant seats in buses D and E be D' and E' respectively.

$$D + E = 65 \dots(1)$$

$$D' + E' = 40 - (8 + 6 + 6) = 20$$

$$\Rightarrow D \times (1 - 0.7) + E \times (1 - 0.66) = 20$$

$$\Rightarrow 0.3D + 0.33E = 20 \dots(2)$$

Using equations (1) and (2)

$$D = 50, E = 15, D' = 15, E' = 5$$

Bus	Number of seats	Number of filled seats	Number of vacant seats
A	20	12	8
B	30	24	6
C	15	9	6
D	50	35	15
E	15	10	5

Required ratio =  $24 : 8 = 3 : 1$

Hence, the required answer is option A.

63. Ans. D.

For bus A,

Number of filled seats =  $20 \times 0.6 = 12$

Number of vacant seats =  $20 - 12 = 8$

Similarly, for bus B and C

Number of filled seats for bus B =  $30 \times 0.8 = 24$

Number of vacant seats for bus B =  $30 - 24 = 6$

Number of filled seats for bus C =  $15 \times 0.6 = 9$

Number of vacant seats for bus C =  $15 - 9 = 6$

Let the number of seats in buses D and E be D and E respectively and number of vacant seats in buses D and E be D' and E' respectively.

$$D + E = 65 \dots(1)$$

$$D' + E' = 40 - (8 + 6 + 6) = 20$$

$$\Rightarrow D \times (1 - 0.7) + E \times (1 - 0.66) = 20$$

$$\Rightarrow 0.3D + 0.33E = 20 \dots(2)$$

Using equations (1) and (2)

$$D = 50, E = 15, D' = 15, E' = 5$$

Bus	Number of seats	Number of filled seats	Number of vacant seats
A	20	12	8
B	30	24	6
C	15	9	6
D	50	35	15
E	15	10	5

Number of seats filled in bus E = 10

Number of seats filled by people aging above 60 years =  $0.2 \times 10 = 2$

Number of seats filled by people aging below 60 years =  $0.2 \times 10 = 8$

Number of seats filled by females =  $0.4 \times 10 = 4$

Number of seats filled by males below 60 years =  $0.5 \times 10 = 5$

Number of seats filled by females below 60 years =  $8 - 5 = 3$

Number of seats filled by females above 60 years =  $4 - 3 = 1$

Hence, the required answer is option D.

64. Ans. B.

For bus A,

Number of filled seats =  $20 \times 0.6 = 12$

Number of vacant seats =  $20 - 12 = 8$

Similarly, for bus B and C

Number of filled seats for bus B =  $30 \times 0.8 = 24$

Number of vacant seats for bus B =  $30 - 24 = 6$

Number of filled seats for bus C =  $15 \times 0.6 = 9$

Number of vacant seats for bus C =  $15 - 9 = 6$



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Let the number of seats in buses D and E be D and E respectively and number of vacant seats in buses D and E be D' and E' respectively.

$$D + E = 65 \dots(1)$$

$$D' + E' = 40 - (8 + 6 + 6) = 20$$

$$\Rightarrow D \times (1 - 0.7) + E \times (1 - 0.66) = 20$$

$$\Rightarrow 0.3D + 0.33E = 20 \dots(2)$$

Using equations (1) and (2)

$$D = 50, E = 15, D' = 15, E' = 5$$

Bus	Number of seats	Number of filled seats	Number of vacant seats
A	20	12	8
B	30	24	6
C	15	9	6
D	50	35	15
E	15	10	5

Number of people that got down at Yarivali Bus Stop = 20% of 35 = 7

Total number of people that were in the bus after boarding and deboarding at Yarivali Bus Stop =  $35 - 7 + 2 = 30$

Number of adults on the bus at that time =  $30 \times \frac{2}{3} = 20$

Number of children on the bus at that time =  $30 - 20 = 10$

Let the fare of each child be Rs. x, then fare of each adult = Rs. 2x

Total collection of fare =  $800 = 20 \times 2x + 10 \times x$

$$\Rightarrow 800 = 50x$$

$$\Rightarrow x = 16$$

Hence, the required answer is option B.

65. Ans. E.

For bus A,

Number of filled seats =  $20 \times 0.6 = 12$

Number of vacant seats =  $20 - 12 = 8$

Similarly, for bus B and C

Number of filled seats for bus B =  $30 \times 0.8 = 24$

Number of vacant seats for bus B =  $30 - 24 = 6$

Number of filled seats for bus C =  $15 \times 0.6 = 9$

Number of vacant seats for bus C =  $15 - 9 = 6$

Let the number of seats in buses D and E be D and E respectively and number of vacant seats in buses D and E be D' and E' respectively.

$$D + E = 65 \dots(1)$$

$$D' + E' = 40 - (8 + 6 + 6) = 20$$

$$\Rightarrow D \times (1 - 0.7) + E \times (1 - 0.66) = 20$$

$$\Rightarrow 0.3D + 0.33E = 20 \dots(2)$$

Using equations (1) and (2)

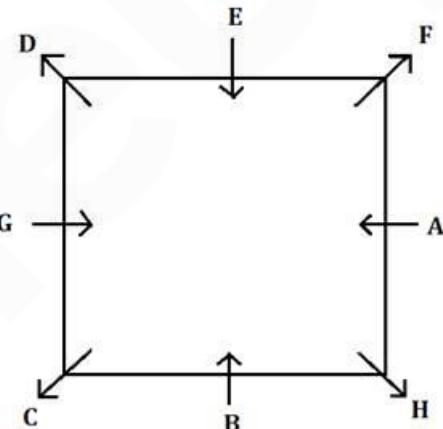
$$D = 50, E = 15, D' = 15, E' = 5$$

Bus	Number of seats	Number of filled seats	Number of vacant seats
A	20	12	8
B	30	24	6
C	15	9	6
D	50	35	15
E	15	10	5

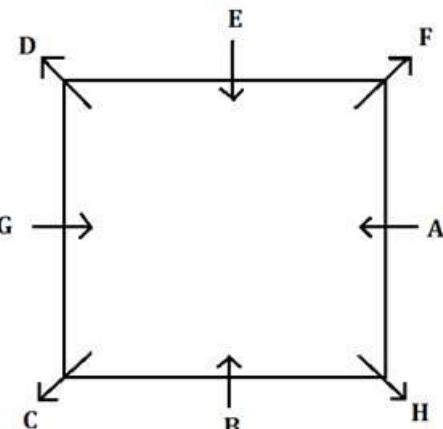
Required Difference =  $35 - 6 = 29$

Hence, the required answer is option E.

66. Ans. D.



67. Ans. B.



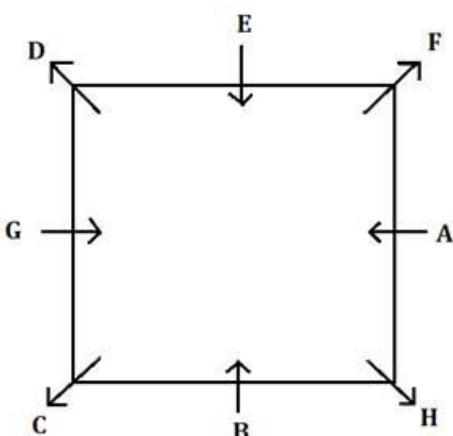
68. Ans. B.



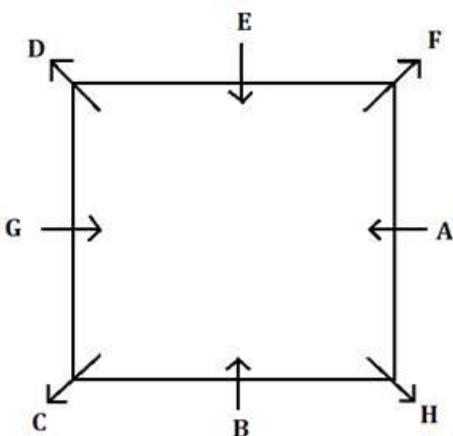
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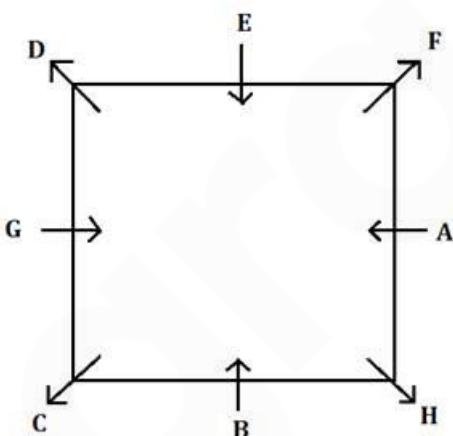
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69. Ans. C.



70. Ans. C.



71. Ans. B.

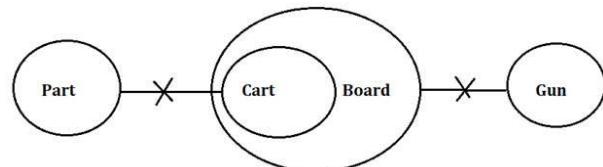
Original Word: 729645138

After Applying given condition:  
638754029

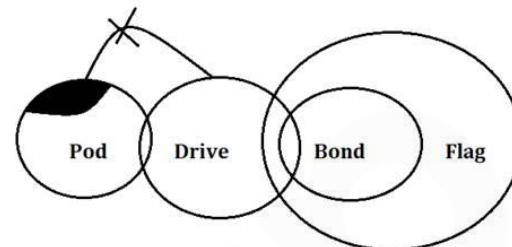
Third digit from the left is 8 and the fourth digit from the right is 4 so the product is 32.

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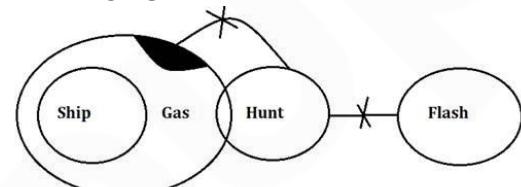
72. Ans. A.



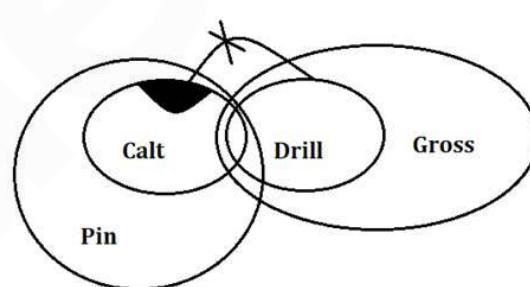
73. Ans. B.



74. Ans. C.



75. Ans. A.



76. Ans. D.

There are five such pairs: DA, DC, CA, CF, NT

77. Ans. C.

No. of days	Month	People
31	13 <sup>th</sup> May	E
31	28 <sup>th</sup> May	B
30	13 <sup>th</sup> June	A
30	28 <sup>th</sup> June	C
31	13 <sup>th</sup> July	F
31	28 <sup>th</sup> July	D

78. Ans. A.



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No. of days	Month	People
31	13 <sup>th</sup> May	E
31	28 <sup>th</sup> May	B
30	13 <sup>th</sup> June	A
30	28 <sup>th</sup> June	C
31	13 <sup>th</sup> July	F
31	28 <sup>th</sup> July	D

79. Ans. B.

No. of days	Month	People
31	13 <sup>th</sup> May	E
31	28 <sup>th</sup> May	B
30	13 <sup>th</sup> June	A
30	28 <sup>th</sup> June	C
31	13 <sup>th</sup> July	F
31	28 <sup>th</sup> July	D

80. Ans. C.

No. of days	Month	People
31	13 <sup>th</sup> May	E
31	28 <sup>th</sup> May	B
30	13 <sup>th</sup> June	A
30	28 <sup>th</sup> June	C
31	13 <sup>th</sup> July	F
31	28 <sup>th</sup> July	D

81. Ans. C.

No. of days	Month	People
31	13 <sup>th</sup> May	E
31	28 <sup>th</sup> May	B
30	13 <sup>th</sup> June	A
30	28 <sup>th</sup> June	C
31	13 <sup>th</sup> July	F
31	28 <sup>th</sup> July	D

82. Ans. A.

1<sup>st</sup>, 3<sup>rd</sup>, 9<sup>th</sup> and 11<sup>th</sup> letters of the word = A,G,I,N

Meaningful word - GAIN

83. Ans. A.

C > E > A > F > B > D

(33) (15)

84. Ans. C.

C > E > A > F > B > D

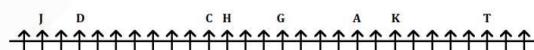
(33) (15)

85. Ans. D.

C > E > A > F > B > D

(33) (15)

86. Ans. C.



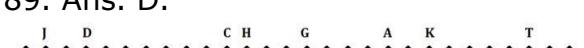
87. Ans. B.



88. Ans. C.



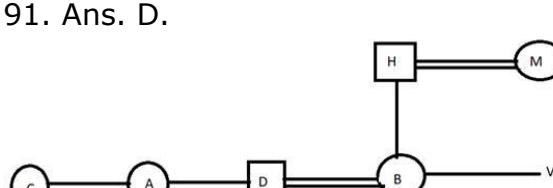
89. Ans. D.



90. Ans. C.



91. Ans. D.

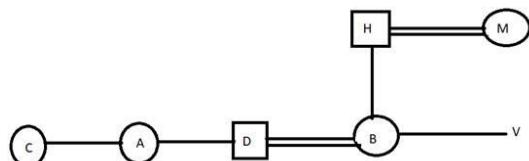


92. Ans. D.

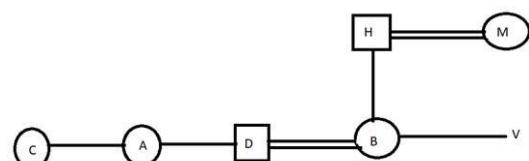


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93. Ans. A.



94. Ans. A.

People	Departments
J	HR
K	Production
L	HR
M	Production
N	IT
O	Production
P	IT
Q	HR
R	Production

95. Ans. D.

People	Departments
J	HR
K	Production
L	HR
M	Production
N	IT
O	Production
P	IT
Q	HR
R	Production

96. Ans. C.

People	Departments
J	HR
K	Production
L	HR
M	Production
N	IT
O	Production
P	IT
Q	HR
R	Production

97. Ans. C.

People	Departments
J	HR
K	Production
L	HR
M	Production
N	IT
O	Production
P	IT
Q	HR
R	Production

98. Ans. C.

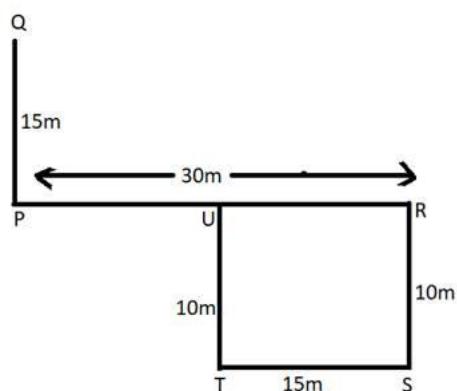
People	Departments
J	HR
K	Production
L	HR
M	Production
N	IT
O	Production
P	IT
Q	HR
R	Production

99. Ans. B.

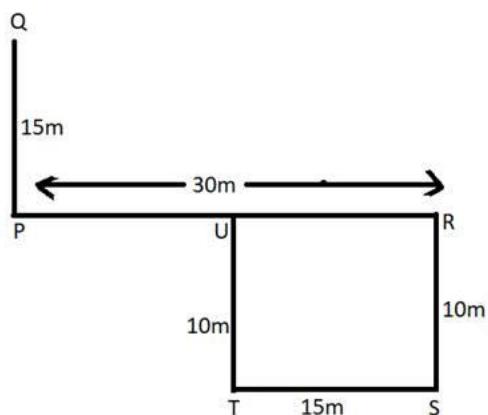


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100. Ans. C.



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