# MH-CET MBA 2020 Question Paper & Solution

**Direction:** In this question, three columns (I, II and III) and three sentences are given, which are divided into three parts. Column I (A, B and C) consists of first half of each sentence and it is fixed. Column II (D, E and F) and Column III (G,H and I) consist of the remaining half of each sentence. Match column I with column II and III, so that the sentences formed are both meaningful and grammatically correct. Choose the correct option as your answer.

1. Column I
A) On 19 October 2017, the astronomer Robert Weryk
B) With her laptop in front of her
C) Mr. Zuckerman's extreme environmentalist anti-immigration sentiments
Column II
D) spotted an extraordinary splinter of rock, just a few hundred metres across,
E) is motivated by the presumption that the place we live is special
F) she's listening intently to a giant pair of headphones
Column III
G) Applying the technology in native town of California
H) held upside down so that the strap hangs below her chin
I) tumbling through our inner solar system
A. ADI, BFH and CEG
B. AID, BHF and CGE
C. AIB, BHD and CGF
D. ADI and BFH
E. None of the above

2. Column I
A) Speculation might well be the creative engine of science
B) Democracy is a form of government based upon the fundamental assumption
C) The accused have been charged with conspiring with a senior royal
Column II
D) but it's only when flights of imagination are followed up by intellectually
E) of equality of all individuals and of their equal rights to life
F) against the monarch, while seeking foreign assistance
Column III
G) honest, rigorous critique that we have a chance of learning more about our world
H) liberty and pursuit of happiness
I) who is the half-brother of the King to stoke unrest
A. AGD and BEH
B. ADH, BEG and CFI
C. ADG, BEH and CIF
D. AGD, BHE and CFI
E. None of the above

3. Column I
A) The atmosphere was electric, the exchanges witty and
B) Some former social media influencers
C) After 12 years of fascism, six years of war, and the concentrated
Column II
D) highlight the dangers of curating a self-image with little purchase in reality
E) genocidal killing of the Holocaust
F) and thus the debates were well attended by professors and students alike
Column III
G) the arguments well thought out and well-honed,
H) have turned against their platforms and chosen to
I) investment to market is extremely risky.
A. AFG, BEH and CFI
B. AFI, BHE, and CIF
C. AGF and BHD
D. AFG and CDH
E. None of the above

4. Column I
A) The actress took her second vaccine shot
B) Detailed reports from the north Germany suggest that
C) Renaissance philosophy started in the mid-14th century
Column II
D) for Covid exactly a month after her first dose
E) in one city alone, some 100,000 people bought confiscated
F) and saw the flowering of humanism, the rejection of scholasticism
Column III
G) and shared the update with fans on Instagram on Tuesday
H) goods from various auctions during the Nazi regime
I) and the renewal of interest in the ancients
A. ADG, BEH and CFI
B. AGD, BHE and CIF
C. ADH, BEI and CFG
D. AFH, BDI and CGE
E. None of the above

5. Column I
A) Nihilism, over the course of time, has been given
B) Some people are lucky enough to look back at
C) The leader of the opposition vehemently criticized and slammed
Column II
D) many meanings and has been interpreted in
E) as benefitted from the work-from-home and remote education boom
F) the list of hospitals was provided by the government

Column III

G) many different ways by philosophers throughout history

H) most of them being state-run hospitals

I) vaccines, especially in the rural area

A. AEG and CFI

B. BEI

C. AGF, BEH and CFI

D. ADG

E. None of the above

**Direction:** In the given question, five words are printed in bold. Of these, the positions of four words are incorrect and need to be exchanged. Find the word which is correct in its place and needs no exchange.

6. The **sedimented** (A) **eclecticism** (B) is a matter both of **associations** (C) and of mixed, historically **theoretical,** (D) origins and **strategy**. (E)

A. Associations

B. Sedimented

C. Strategy

D. Eclecticism

E. Theoretical

7.Despite the **gloomy** (A) and **picture** (B) which we hear all around and in which we **indulge** (C) ourselves, the **despondency** (D)is not universally **groans**. (E)

A. Despondency

B. Groans

C. Indulge

D. Gloomy

E. Picture

8.The mayor requesting (A) local **devastation** (B) to share photos and video footage of the **businesses** (C), which he said would be useful when **urged** (D) financial help from the **government**. (E)

A. Urged

B. Government

C. Businesses

D. Devastation

E. Requesting

9.Tasmanian **wild** (A) have been released into the **devils** (B) on Australia's **marsupials** (C) 3,000 years after the feisty **mainland** (D) went **extinct** (E) there.
A. Marsupials
B. Devils
C. Mainland
D. Wild
E. Extinct

10.The water **desertification** (A) in India is **grave** (B) **depleting** (C) to tremendous water-stress, **owing** (D) aquifers, dying rivers and large chunks of land facing **shortage**. (E)
A. Owing
B. Shortage
C. Desertification
D. Grave
E. Depleting

**Direction:** In the following question, six statements have been given. All the given sentences, when rearranged, form a coherent paragraph. Arrange the parts to form coherent and grammatically correct passage and answer the questions that follow.
A) Even during the Cold War, as millions lived under the shadow of potential nuclear annihilation, 'neocatastrophism' – the theory that extra-terrestrial civilisations are inevitably wiped out by violent events – emerged as an explanation for our apparent cosmic solitude.
B) When we _____(1)_____ life elsewhere in the Universe, we're doing that most dangerous of things, from a scientific perspective: extrapolating from a single data point, that of human existence.
C) But after more than six decades of hunting for radio signals from nearby stars, creating research organisation such as SETI: Search for Extra-terrestrial Intelligence, we're as alone as we ever were.
D) This combination of a profound and universal yearning, undercut by a total absence of evidence, **has allowance the question** of extra-terrestrials to become a cosmic blank canvas, onto which it's possible to project our hopes and our fears, our deepest insecurities, and our loftiest desires.
E) For example, the Victorians of the late 19th century, living in the era of ambitious engineering, looked at Mars and saw globe-spanning canals – evidence, they believed, of a grand industrial civilisation mirroring their own.
F) The existence of extra-terrestrial life is one of humanity's great driving questions which started even before Socrates debated the 'plurality of worlds, especially among Greek philosophers.

G) These labours of imagination aren't intrinsically bad for science, since, when faced with a new intellectual frontier, lacking in evidence but with plenty of tantalising questions, speculation is inevitable.

11. Which will be the FIRST statement after rearrangement?
A. A
B. B
C. F
D. E
E. D

12. Which will be the THIRD statement after rearrangement?
A. E
B. D
C. C
D. B
E. F

13. Which will be the SIXTH statement after rearrangement?
A. D
B. E
C. C
D. F
E. A

14. From the given options, choose the one which represents the correct order of the sentences?
A. FCBDEAG
B. FCADEBG
C. FGABDEC
D. EAFGCBD
E. DFAGEBC

15. Which of the sentences remained unchanged even after rearrangement?
A. A-B-G
B. B-C-F
C. C-D-F
D. D-E-G
E. E-F-A

16.In statement D, a part of the sentence is highlighted. Below the sentence, alternatives to the emboldened part are given as (A), (B), (C) and (D), which may help improve the sentence. Choose the correct alternative out of the given five options. In case the given sentence is correct, the answer will be option (E), i.e., 'No correction required'.
A. has allows the question
B. has allowing a question
C. has allowing the questions
D. has allowed the question
E. No correction required

17.Which of the following phrase can fill the blank (1) in statement B?
A. Speculate about
B. Present in
C. Argued for
D. Stringent among
E. Supportive of

**Direction:** Read the given passage carefully and answer the questions that follow.

Among literally dozens of new books on Apollo, all timed to coincide with the 50th anniversary of the Moon landing in July 2019, two books exemplify both old and new tropes. James Donovan's Shoot for the Moon has been touted by none other than Apollo 11 astronaut Michael Collins, who recently remarked, "This is the best book on Apollo that I have read." Donovan's strength is his breezy and journalistic writing style that weaves together a vast and complicated set of stories from all levels of Apollo.

If Donovan's book is a by-the-numbers retelling that is also a familiar one, Eight Years to the Moon by Nancy Atkinson takes us into less-familiar aspects of the history, benefiting in many ways from a burst of recent scholarship. This book functions as a kind of corrective to the ubiquitous heroic narrative of politicians and astronauts.

The overall beats of Donovan's story will be familiar to many. For example, he captures the intimate world of Wernher von Braun, the visionary German rocket designer who was captured by Americans after World War II. Von Braun was brought to Texas and eventually to Alabama, where, in the 1960s, he directed the project to develop the giant Saturn V rocket that sent Apollo to the Moon.

Very succinctly, Donovan describes von Braun as "a handsome, charming ex-SS officer who had been the chief architect of an ambitious rocket program that had killed thousands during the war—and who now spread the gospel of space exploration to Americans in Walt Disney TV specials." What he leaves unsaid is as important: that more people died building the V2—as slave prisoners in Nazi concentration camps—than the rocket actually killed.

Although Donovan glosses over this, von Braun's team's culpability for crimes against humanity is fundamental to any reckoning with the legacy of Apollo.

Donovan's narrative is a well-crafted one. It is one of the rarest of Apollo books that manages to weave together the political, the technical, and the heroic. We get vivid descriptions of managers struggling with difficult decisions, such as the directive that sent the first Apollo spacecraft around the Moon in late 1968, a recommendation that was one of the riskiest in the entire program.

In Donovan's hands, the actual landing mission, Apollo 11, reads like a thriller. We know the ending, of course, but the contingencies of the mission—points at which the flight could have failed—are so many, that their cumulative power communicates how minuscule the margins were. In a million possible scenarios, the Eagle lunar module lander crashes on the Moon with no way back for the astronauts. They did, of course, come back, and Donovan's narrative wraps up rather abruptly with a few cursory paragraphs about the postflight visits of the Apollo 11 astronauts to foreign countries. He concludes on a pithy note: "By the time the crew returned home, they understood that their lives would never be the same."

Source: https://blogs.sciencemag.org/books/2019/07/15/apollo-11-50-year-anniversary/

18. Which one of the statements given in options presents a contrast to the following sentence as mentioned in paragraph 2:

"If Donovan's book is a by-the-numbers retelling that is also a familiar one, Eight Years to the Moon by Nancy Atkinson takes us into less-familiar aspects of the history, benefiting in many ways from a burst of recent scholarship."
A. Atkinson's book is more likely to surprise the reader.
B. Atkinson's readership consists mostly of scholarship students.
C. Most books have a predicated storyline.
D. Donovan's book uses a linear narrative.
E. None of the above

19.According to the passage, which of the following are the 'old tropes' exemplified in James Donovan's Shoot for the Moon?
I. Involvement of Nazi scientist.
II. Characters with heroic narratives.
III. Familiar characters.
IV. Known timeline.
A. I, II and III
B. II and IV
C. II, III and IV
D. I, II, III and IV
E. None of the above

20.Given below is a possible inference that can be drawn from the facts stated in the third paragraph. You have to examine the inference in the context of the passage and decide upon its degree of truth or falsity.

"Wernher von Braun provided the Americans with his knowledge of rocket design, in exchange for his freedom."
A. Definitely true
B. Probably true
C. The data are inadequate
D. Probably false
E. Definitely false

21.Which of the following is not an assumption that supports the arguments presented in the fourth paragraph?
A. Von Braun was interested in the science behind the rockets, rather than their uses.
B. The high labour costs for the building the V2 rockets alone made it an ambitious project.
C. Donovan skimmed over von Braun to avoid controversy.
D. The success of space exploration depended on the willingness of Americans to accept it.
E. None of the above

22.The Author has criticized which one of the following factors of James Donovan's Shoot for the Moon?
A. Over dramatization of politics.
B. Both C & D
C. The ending.
D. Von Braun's actions during World War II.
E. None of the above

23.Which of the following words is the opposite of the word/phrase "cursory" as used in the passage?
(A) Easy on the eye
(B) Painstaking
(C) At length
(D) Playing safe
A. Only (A), (B) and (D)
B. Only (B) and (C)
C. Only (A), (B) and (C)
D. Only (A) E) Only (C)
E. None of the above

**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 these.

Ever have that moment filled with immense disappointment when your goals could not be accomplished, and your **dreams seem all but a figment of your imagination.** Too many pupils, it is the feeling you get, when deep down you knew your potential and how hard you had studied yet you still feel that your result was not a true reflection of your hard work. It is doing 100 maths sums before an exam and barely passing, it is spending **numerous** hours on a project and only attaining a C, it is killing yourself on the sports field and yet failing to make the first team and for many matriculants, it is that depressing moment that, now when your results matter most, you have failed to deliver.

You are consumed with self-doubt as to whether you were justified in making certain career decisions. You wonder whether you are clever enough, talented enough, physically and psychologically fit enough to pursue your aspirations. Basically, you stop believing in yourself and it is at that exact moment that your dreams become **unattainable**. Because if you really think about it you are all you've got. People could tell you you're the future Einstein, but the words are pointless if it fails to convince the little voice inside your head. You control that little voice and thus you control your destiny.

So if you are feeling exhausted and disheartened at the end of a tiring term, give yourself the opportunity to make peace with the fact that you cannot change your shortcomings. Thereafter start deciding how you would like to **redeem** yourself. Don't get trapped feeling sorry yourself but instead set yourself greater challenges. The only thing worse than failing is not learning from it. Try to establish what your strengths are and improve and cultivate those strengths instead of focusing on your weaknesses. In my opinion, trying to work your weaknesses to the level of your strengths is a good thing but makes you fairly average whilst nurturing your strengths and mastering them makes you exceptional. Do yourself a huge favour and stop measuring your success and capabilities according to that of others because we're all unique with a diversity of talents. The fact that she is a maths boffin does not make you stupid and the fact that he gives a cheetah a run for its money does not mean you're not athletic. We all have a little genius in us just in our special way.

Einstein once said **"Everybody is a genius.** But if you judge a fish by its ability to climb a tree it will spend its whole life believing that is stupid". So, Settlers, do not sell yourself short by restricting your success to the achievements of others. You owe yourself more than that! Do not allow your failures to dampen your positive attitude but use it as an inspiration to try harder and most importantly eliminate the perception that failure is a bad thing. It merely tests your strength of character. Go out there and show failure what you're made of!

24. What does the author mean by the following line: "dreams seem all but a figment of your imagination"?
A. A thought that dreams and imagination are two inseparable entities.
B. A state when a person thinks that dreams cannot be fulfilled.
C. A person begins to dream without working on it to turn it into reality.
D. A state where dream and reality seem one singular entity
E. A state of disappointment where a person thinks that everything is conquerable.

25. How does a person play a significant role in motivating or demotivating oneself?
A. Irrespective of what people say, one cannot achieve something unless he/ she believes in they could.
B. If one listens to others and ignores one's inner voice, she/ he is doomed to fail in life.
C. A person acts as an agent of others to delegate people's will unto oneself.
D. A person fails to materialize his/ her strength into achieving his/ her goal.
E. A person does not have the agency to motivate or demotivate oneself.

26. Which of the following should one come to terms with in order to avoid getting disappointed with oneself?
A. One should accept that not everyone is perfect.
B. One should trust one's potential to achieve any goal.
C. One should think that there are people who do not as capable as he/ she is.
D. One should realise that one's shortcomings cannot be altered.
E. One needs to keep peace of mind and stop being critical about others.

27. What does the phenomenon of self-doubt indicate?
A. That you have become self-obsessed.
B. That you have lost faith in everyone.
C. That you have started to believe that others cannot help you.
D. That you have stopped believing in yourself.
E. None of these.

28. What does the following lines stated by Einstein imply?
""Everybody is a genius. But if you judge a fish by its ability to climb a tree it will spend its whole life believing that is stupid""
A. There are people who cannot climb a tree but can definitely swim.
B. Everybody is unique, and everyone's potential should be realised before declaring them incapable or stupid.
C. If you identify someone's uniqueness, that person will be ashamed of his/ her uniqueness throughout his/ her life.

D. There are certain capabilities which are possessed by everyone irrespective of their potential.

E. None of these.

29.Which of the following is the MOST SIMILAR in meaning to the given word?

**Redeem**

A. Shed

B. Rescue

C. Dissipate

D. Prepare

E. Distinguish

30.Which of the following is the MOST SIMILAR in meaning to the given word?

**Numerous**

A. Gigantic

B. Occasional

C. Umpteen

D. Infrequent

E. Exotic

31.Which of the following is the MOST OPPOSITE in meaning to the given word?

**Unattainable**

A. Impossible

B. Achievable

C. Restraining

D. Peccable

E. Divulging

32.**Direction:** Five statements are given below, labelled A, B, C, D and E. Among these, four statements are in logical order and form a coherent paragraph/passage. From the given options, choose the option that does not fit into the theme of the passage.

A. In winter, an icy freshwater lake can appear frozen in time and so does the life underneath.

B. A new study finds that under the ice, certain forms of life are far more active than scientists thought.

C. About half of the world's lakes — approximately 50 million — freeze seasonally, but little is known about what goes on underneath the ice.

D. Microscopic life undersea is incredibly diverse and still poorly understood.

E. Sea-ice studies, which are more numerous, show this ice cover drives algae production, a vital part of ocean food webs.

33.**Direction:** Five statements are given below, labelled A, B, C, D and E. Among these, four statements are in logical order and form a coherent paragraph/passage. From the given options, choose the option that does not fit into the theme of the passage.

A. Indian Nuclear Program has roots in the establishment of Tata Institute of Fundamental Research in 1945 with the initiative from Dr. H. Bhabha.

B. There is an increased impetus on moving away from coal-based technologies to cleaner and efficient technologies, but still the demand of coal will continue to rise.

C. India has insufficient Uranium reserves of 1-2% of global reserves, but is endowed with one of the largest reserves of Thorium.

D. Main area of commission was prospection of nuclear raw material resources of the country.

E. 'Fast Breeder Test Reactor' is in operation at Indira Gandhi Centre for atomic Research, Kalpakam since 1985.

34.**Direction:** Five statements are given below, labelled A, B, C, D and E. Among these, four statements are in logical order and form a coherent paragraph/passage. From the given options, choose the option that does not fit into the theme of the passage.

A. ICT is becoming the facilitator of socio-economic development in rural India.

B. Because of dependence of disproportionate population on this sector, Indian economy can be still said to be an agrarian economy.

C. The practise of e-governance, which creates transparency and governance through IT has enabled the farmers to be sure about what is going on.

D. With the help of IT, farmers can use the services of FMC and can get better value for their product.

E. it is important for the developments in IT to aid for the betterment of farming to produce better.

35. **Direction:** Five statements labelled A, B, C, D, and E are given below. Among these, four statements are in a logical order and form a coherent paragraph/passage. From the given options, choose the option that does not fit into the theme of the passage.

A. India's energy security is a critical issue and its economy and foreign relations are substantially affected by its dependence upon the imported crude oil.

B. Oil requirement in future will be significantly higher, because of growth in economy and in turn growing consumption of households and industry.

C. Indian Energy Policy envisages an increase in the nuclear capacity to 20 GW by 2020 and 63 GW by 2032.

D. India's oil reserves are insufficient for its growing energy needs and the situation is made worse by policy paralysis which increases the gestation period of the projects.

E. It is only recently that crude oil's prices have crashed, it is down about 25% from the historical high.

**Direction:** A sentence with two blanks is given, each blank indicating that something has been omitted. Choose the words that best fit in the given blanks making the sentence grammatically correct and meaningful.

36. Each occupation has its own _____; bankers, lawyers and computer professionals, for example all use among themselves a _____ that outsiders find difficult to follow.

A. Merits, incidents

B. Disadvantages, methods

C. Rewards, endearment

D. Jargon, language

E. Problems, fundamentals

**Direction:** Each question below has two blanks. Each blank indicates that something has been omitted. Choose the set of words which best fits the meaning of the sentence as a whole. ###DONE###

37. The two artists _____ markedly in their temperaments, one was reserved and courteous, the other _____ and boastful.

A. Changed, irritable

B. similar, jovial

C. differed, rude

D. appeared, funny

E. addressed, ill-tempered

**Direction:** Each question below has two blanks. Each blank indicates that something has been omitted. Choose the set of words which best fits the meaning of the sentence as a whole.

38. Many people believed that spices help _____Food; however nutritionists found that most spices were _____ of having any effect on growth of microbes present in the food.

A. preserve, incapable

B. produce, impossible

C. save, preventive

D. spoil, probable

E. protect, deprived

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

39. Despite a growing_____ that a lot needs to be done to help those without clean water, a _____ says that more than 34 million people die every year of water borne diseases.
A. interest, reason
B. recognition, report
C. fantasy, review
D. authority, legend
E. turbulence, logic

**Direction:** Each question below has two blanks. Each blank indicates that something has been omitted. Choose the set of words which best fits the meaning of the sentence as a whole.

40. If there is nothing to absorb the energy of sound waves, they travel on _____ but their intensity _____ as they travel further from their source.
A. everlasting, decreases
B. always, improves
C. forever, inclines
D. steadily, deflates
E. indefinitely, diminishes

**Direction:** A sentence divided into four parts (A, B, C and D) is given. There may be an error in any of the two parts. Determine the pair of segments which requires correction and mark the relevant option as your answer. If the given sentence is error free, mark option E, i.e., "No error" as your answer.

41. Whoever Satoshi Nakamoto is, (A)/ the genius of his, her, or there idea for bitcoin—(B)/ published almost exactly an decade ago— (C)/was to solve the key problem with digital currency. (D)
A. A-C
B. B-D
C. B-C
D. C-D
E. No error

**Direction:** A sentence divided into four parts (A, B, C and D) is given. There may be an error in any of the two parts. Determine the pair of segments which requires correction and mark the relevant option as your answer. If the given sentence is error free, mark option E, i.e., "No error" as your answer.

42. As doctors understand variety diseases (A)/ but cannot predict when you will fall ill, (B)/ economists' fundamental mission is to forecast recessions (C)/ but to explain how the economy works. (D)
A. A-B
B. A-C
C. C-D
D. B-D
E. No error

**Direction:** A sentence divided into four parts (A, B, C and D) is given. There may be an error in any of the two parts. Determine the pair of segments which requires correction and mark the relevant option as your answer. If the given sentence is error free, mark option E, i.e., "No error" as your answer.
43. In their model, trade allowed country like America (A)/ to economise on labour, by concentrate on capital-intensive activities (B)/ that made little use of it and (C)/ in this way industries that required large amounts of elbow grease could be left to foreigners. (D)
A. A-B
B. B-C
C. C-D
D. B-D
E. No error

**Direction:** A sentence divided into four parts (A, B, C and D) is given. There may be an error in any of the two parts. Determine the pair of segments which requires correction and mark the relevant option as your answer. If the given sentence is error free, mark option E, i.e., "No error" as your answer.
44. At the height of the euro crisis, with government-bond yields (A)/ soaring in several southern European countries and defaults looming, (B)/ a European Central Bank and the healthier members of the currency club (C)/ fended of disaster by offering bail-outs. (D)
A. A-D
B. C-D
C. B-C
D. A-C
E. No error

**Direction:** A sentence divided into four parts (A, B, C and D) is given. There may be an error in any of the two parts. Determine the pair of segments which requires correction and mark the relevant option as your answer. If the given sentence is error free, mark option E, i.e., "No error" as your answer.

45. For a generation of economics students, it was an important outgrowth (A)/ of the so-called Mundell-Fleming model, (B)/which incorporated the impact of capital flows (C)/ into a more general treatment of interest rates, exchange-rate policy, trade and stability(D)

A. A-B
B. B-C
C. C-D
D. B-D
E. No error

**Direction:** In the following question, a word is given, which has been used in the three statements given below it. Identify the statement(s) in which the word fits contextually to convey a logical meaning.

46. Ample

1) There will be **ample** opportunity to relax, swim and soak up some sun.

2) The talent of success is nothing **ample** than doing well whatever you do without a thought of fame.

3) Alternative medicines are now winning **ample** among doctors.

A. Only 1
B. Only 3
C. Both 1 and 2
D. Both 2 and 3
E. All 1, 2 and 3

**Direction:** In the following question, a word is given, which has been used in the three statements given below it. Identify the statement(s) in which the word fits contextually to convey a logical meaning. ###DONE###

47. Court

1) We have asked the council to come and **court away** all this rubbish.

2) The tobacco companies may be guilty of contempt of **court** for refusing to produce the documents.

3) He moved diagonally on the tennis **court** like a ballet dancer might on stage.

A. Only 1
B. Only 3
C. Both 1 and 2
D. Both 2 and 3
E. All 1, 2 and 3

**Direction:** In the following question, a word is given, which has been used in the three statements given below it. Identify the statement(s) in which the word fits contextually to convey a logical meaning.

48. Hang

1) Women often lose confidence when they **hang up** to have a baby.

2) If he wants to **hang** this estate in the family, he'll have to leave it to his daughters.

3) Gabriel followed his brothers obediently, just happy to **hang around** them.

A. Only 1

B. Only 3

C. Both 1 and 2

D. Both 2 and 3

E. All 1, 2 and 3

**Direction:** In the given question, four words are given of which two are most nearly the same or opposite in meaning. Find the two words and indicate your answer by marking the option which represents the correct combination.

49. Mock

1) At times I went almost mad, talking gibberish, pulling faces, and singing in **mock** Latin.

2) Today, I decided to **mock** a few stuck-up runners by effortlessly jumping over the track hurdles.

3) He noted the latitude and longitude, then made a **mock on** the admiralty chart.

A. Only 1

B. Only 3

C. Both 1 and 2

D. Both 2 and 3

E. All 1, 2 and 3

**Direction:** In the following question, a word is given, which has been used in the three statements given below it. Identify the statement(s) in which the word fits contextually to convey a logical meaning.

50. **Track**

1) They drove down a narrow **track** that branched off from the main road.

2) He protested his innocence and promised to help the police **track** down the real murderer.

3) This button advances the cassette player to the beginning of the **track.**

A. Only 1

B. Only 3

C. Both 1 and 2

D. Both 2 and 3

E. All 1, 2 and 3

**Direction:** What will come in the place of question mark (?) in the given question?

51. 1, 11, 23, 32, 45, ?
A. 55
B. 51
C. 53
D. 56
E. None of these

52. 100, 103, 109, 127, 199, ?
A. 565
B. 559
C. 572
D. 543
E. None of these

53. 12, 19, 16, 23, ?, 27
A. 20
B. 32
C. 18
D. 24
E. 21

54. 10, 6, 7, 15, 61, ?
A. 482
B. 496
C. 472
D. 489
E. None of these

55. 240, 248, 239, 303, ?, 494
A. 269
B. 278
C. 282
D. 274
E. 260

56. 2400, ?, 480, 144, 28.8
A. 1150
B. 1080
C. 1200
D. 1350
E. None of these

**Direction:** What approximate value will come in place of the question mark (?) in the following question? (You are not expected to calculate the exact value).

57. 460.15 + 39.97 + 41 ÷ 3.98 = ?
A. 450
B. 510
C. 500
D. 480
E. 540

58. 80.11% of 45.02 + 60% of 499 = ?
A. 336
B. 402
C. 382
D. 372
E. 354

59. $\sqrt{14.898 \times 6.01 - ?} = 9$
A. 5
B. 9
C. 13
D. 17
E. 21

60. (12.06 × 4.01) × (12.01 + ?) = 1400
A. 10
B. 8
C. 17
D. 21
E. 25

61. $\sqrt[3]{217} \div 1.989 + \sqrt[3]{1332} \times 1.992 = ?$
A. 16
B. 20
C. 32
D. 25
E. 35

62. 41% of 480 ÷ $?^2$ + 32.04 = 40
A. 2
B. 5
C. 25
D. 15
E. 36

63.246.01 + 2.98 × 13.98 = ?²
A. 17
B. 26
C. 10
D. 30
E. 32

**Direction:** In the following question two equations are given in variables x and y. You have to solve these equations and determine the relation between x and y.

64.
I. $2x^2 - 5x + 2 = 0$
II. $y^2 - 5y + 6 = 0$
A. x > y
B. x ≤ y
C. x < y
D. x ≥ y
E. x = y or relationship between x and y can't be established

65.I. $2x^2 - x - 3 = 0$
II. $2y^2 - 7y + 6 = 0$
A. x > y
B. x ≤ y
C. x < y
D. x ≥ y
E. x = y or relationship between x and y can't be established

66.I. $x^2 = \dfrac{1}{81}$
II. $9y^2 - 6y + 1 = 0$
A. x > y
B. x ≤ y
C. x < y
D. x ≥ y
E. x = y or relationship between x and y can't be established

67.I. $4x^2 - 15x + 9 = 0$
II. $y^2 - 7y + 12 = 0$
A. x > y
B. x ≤ y
C. x < y
D. x ≥ y
E. x = y or relationship between x and y can't be established

**Direction:** Study the following information carefully and answer the question given below:

The table given below shows the total number of complaints raised, number of complaints resolved and number of complaints which are not addressed but not resolved in four different months.

| Month | Total Complaints | Complaints Resolved | Complaints Addressed but Not Resolved |
|-------|------------------|---------------------|---------------------------------------|
| March | 1200 | 650 | 200 |
| April | 800 | 500 | 150 |
| May | 1400 | 800 | 200 |
| June | 900 | 450 | 250 |

68. Find the average of number of Complaints raised in March, April, May and June.
A. 1125
B. 960
C. 1075
D. 975
E. 1020

69.What is the ratio of the number of complaints resolved in March and June together to the total number of complaints raised in March?
A. 13 : 12
B. 11 : 12
C. 10 : 9
D. 7 : 8
E. None of these

70.The number of complaints that are not addressed in June is what percentage of the number of complaints resolved in May?
A. 20%
B. 15%
C. 30%
D. 25%
E. 32%

71.Find the number of complaints that are not addressed in April.
A. 150
B. 180
C. 120
D. 240
E. None of these

72.The total number of complaints raised in July are 25% more than that in March. If 52% of the complaints are resolved in July, then find the number of cases that are resolved in July.

A. 720

B. 650

C. 780

D. 840

E. None of these

73.What is the difference between the number of complaints resolved in April and May together and the number of complaints which are addressed but not resolved in March and June together?

A. 720

B. 850

C. 640

D. 750

E. 800

**Direction:** Study the following information carefully and answer the question given below:

Three publishers A, B and C published two types of books i.e., Fiction and Non-Fiction. Some of them are sold and some of them are unsold.

Publisher A: Total number of books published by publisher A is 450. The number of Non-fiction books published by publisher A is 50 and total number of books sold by publisher A is 41 more than the number of fiction books published.

Publisher B: The ratio of the total number of books published by publisher A to B is 5 : 4 and 25% of the total books published by publisher B is not sold. Number of non-fiction books published by publisher B is 20% more than the number of non-fiction books published by publisher A

Publisher C: Total number of books published by publisher C is 180 more than the total number of books published by publisher B. The ratio of the fiction to non-fiction books published by publisher C is 4 : 5 and publisher C sold all the books.

74. What is the number of non-fiction books published by publisher C?

A. 240

B. 300

C. 270

D. 330

E. None of these

75.What is the ratio of the total number of books sold by publisher B to that sold by publisher C?
A. 5 : 4
B. 4 : 5
C. 1 : 2
D. 3 : 2
E. None of these

76.Number of books not sold by publisher A are what percentage of the number of books published by him?
A. 2%
B. 5%
C. 4%
D. 8%
E. 4.5%

77.If the number of fiction and non-fiction books sold by publisher B is 240 and 30 respectively, then find the difference between the number of fiction and non-fiction books that are not sold by publisher B.
A. 50
B. 40
C. 20
D. 30
E. None of these

78.What is the average of the number of books published by all three publishers?
A. 540
B. 450
C. 500
D. 600
E. 480

79.What is the number of books sold by publisher B?
A. 270
B. 320
C. 240
D. 250
E. None of these

**Direction:** Study the following information carefully and answer the question given below:

The line graph given below shows the cost (in Rs.) of five different items manufactured by two different companies i.e., X and Y.
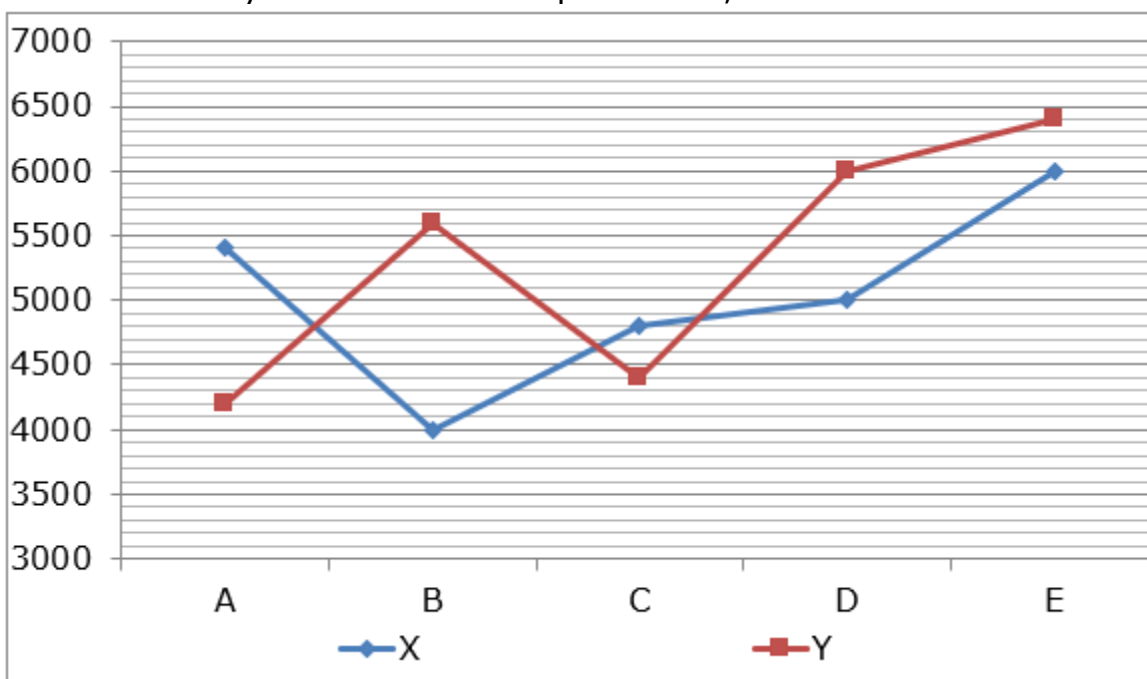


80. The total cost of item B and C together manufactured by company X is what percent of the total cost of item B and C together manufactured by company Y?
A. 92%
B. 90%
C. 88%
D. 95%
E. None of these

81.If the average cost of item C, D and F manufactured by company Y is 5400, find the cost of item F manufactured by company Y.
A. Rs. 5400
B. Rs. 5800
C. Rs. 6400
D. Rs. 6000
E. None of these

82. What is the difference between the cost of item A and B together manufactured by company X and the cost of item C and E together manufactured by company Y?
A. Rs. 2400
B. Rs. 1800
C. Rs. 1600
D. Rs. 1400
E. Rs. 2000

83. What is the average cost of items manufactured by shop B, D and E together in company X?
A. Rs. 4800
B. Rs. 6000
C. Rs. 5000
D. Rs. 5400
E. Rs. 5200

84. If the ratio of the cost of item C to item G manufactured by company Y is 11 : 13, then find the difference between the cost of item G and item A manufactured by company Y.
A. Rs. 1200
B. Rs. 1100
C. Rs. 1500
D. Rs. 900
E. Rs. 1000

85. If the number of item A manufactured by company X is 45, then find the total cost price of item A manufactured by company X.
A. Rs. 245000
B. Rs. 254000
C. Rs. 243000
D. Rs. 212000
E. None of these

86. The marked price of a book is 60% more than its cost price. If the shopkeeper sold the book at Rs. 320 after given a discount of Rs. 80, then find the profit percentage earned by shopkeeper after selling the book.
A. 32%
B. 28%
C. 30%
D. 24%
E. 20%

87. The salary of two persons A and B are in the ratio of 6 : 5 and each of them saves Rs. 24000. If the expenditure of B is 75% of the expenditure of A, then find the salary of A
A. Rs. 64000
B. Rs. 60000
C. Rs. 75000
D. Rs. 72000
E. Rs. 80000

88. The ratio of the downstream and upstream speed of a boat is 5 : 4. If the boat takes 2.5 hours to cover 135 km in still water, then find the time taken by boat to cover 180 km in upstream.
A. 2 hours 15 minutes
B. 3 hours 30 minutes
C. 3 hours 45 minutes
D. 2 hours 45 minutes
E. None of these

89. In a mixture, the quantity of milk to water is in the ratio of 8 : 3. If 44 litres of mixture is taken out and 18 litres of water is added in the mixture, the ratio of milk to water becomes 4 : 3, find the quantity of milk in the initial mixture.
A. 120 litres
B. 90 litres
C. 64 litres
D. 80 litres
E. 72 litres

90. In a class, there are some boys and girls. The average weight of girls is 45 kg and the average weight of boys is 53 kg. If the average weight of whole class is 48 kg and number of girls in the class is 10, then find the total number of students in the class.
A. 16
B. 20
C. 15
D. 12
E. 24

91.Anant invested a total of Rs. 6500 in two schemes i.e., A and B for 2 years and 4 years respectively. Scheme A offers 12% p.a. and scheme B offers 5% p.a. simple interest. If the total interest obtained is Rs. 1460, then find the amount invested in scheme A
A. Rs. 5000
B. Rs. 3500
C. Rs. 3200
D. Rs. 4000
E. None of these

92.Train A is running with the speed of 54 km/h and crosses a platform whose length is 210 m in 32 seconds. Find the time taken by train to cross a tree.
A. 12 seconds
B. 18 seconds
C. 16 seconds
D. 20 seconds
E. 24 seconds

93.Three pipes A, B and C can fill a tank in 15 minutes, 20 minutes and 40 minutes respectively. If all the pipes are opened together and pipe A is turned off 2 minutes before the tank in filled, then find the total time taken to completely fill the empty tank.
A. 5 minutes
B. 10 minutes
C. 8 minutes
D. 6 minutes
E. 15 minutes

94.Out of the total profit of Rs. 7500, Manav received Rs. 3000 as his share. If Manav invested Rs. 12000 for 8 months while Nitin invested his amount for 9 months, then find the amount invested by Nitin.
A. Rs. 15000
B. Rs. 12000
C. Rs. 16000
D. Rs. 20000
E. Rs. 10000

95.The ratio of present ages of Nitesh to Satish is 4 : x and Nitesh is 4 years younger than Antra. Antra's age after 8 years will be 28 years. The difference between Satish's and Nitesh's age is same as the present age of Antra. What is the value of x?

A. 10
B. 8
C. 9
D. 5
E. 6

**Direction:** In the following question two Quantities i.e., Quantity I and Quantity II are given. You have to determine the relation between Quantity I and Quantity II.

96. Quantity I: The value of x, if container A contains 270 litres of mixture of milk and water in the ratio of 7 : 2 respectively. Container B contains x litres of mixture of milk and water in the ratio of 3 : 1 respectively. If the mixture of both the containers are mixed, the quantity of milk in the final mixture becomes 450 litres.

Quantity II: 350

A. Quantity I < Quantity II
B. Quantity I ≥ Quantity II
C. Quantity I > Quantity II
D. Quantity I ≤ Quantity II
E. Quantity I = Quantity II or no relation

97.Quantity I: Number of days taken by Anandita alone to complete the work, if Anandita and Yakshi together can complete a piece of work in 35 days. They started working together and worked for 21 days and after that Anandita left the work and remaining work was completed by Yakshi in 24 days.

Quantity II: 80 days.

A. Quantity I < Quantity II
B. Quantity I ≥ Quantity II
C. Quantity I > Quantity II
D. Quantity I ≤ Quantity II
E. Quantity I = Quantity II or no relation

98.Quantity I: Length of train M, Train M crosses a tree in 16 sec at the speed of 54 km/h.

Quantity II: Length of train N, Train N crosses a 250 m long platform in 28 seconds at the speed of 63 km/h.

A. Quantity I < Quantity II
B. Quantity I ≥ Quantity II
C. Quantity I > Quantity II
D. Quantity I ≤ Quantity II
E. Quantity I = Quantity II or no relation

99.Quantity I: Number of unmarried females in the village, if the population of the village is 6400 out of which 55% are males and 40% of the females are married.

Quantity II: The value of '?' , if $256 \times 25 \div 16 + 100 = \sqrt{?}$
A. Quantity I < Quantity II
B. Quantity I ≥ Quantity II
C. Quantity I > Quantity II
D. Quantity I ≤ Quantity II
E. Quantity I = Quantity II or no relation

100.Quantity I: The value of x, if the numerator and denominator of a fraction is x and (x + 1) respectively, if numerator is increased by 40% and denominator is increased by 50%, the fraction becomes $\frac{7}{9}$.
Quantity II: The value of x, if $x^2 + 9 = 36$
A. Quantity I < Quantity II
B. Quantity I ≥ Quantity II
C. Quantity I > Quantity II
D. Quantity I ≤ Quantity II
E. Quantity I = Quantity II or no relation

101.Select a suitable figure from the Answer Figures that would replace the question mark (?).
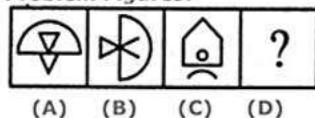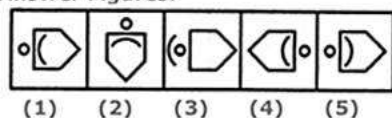


A. 1
B. 2
C. 3
D. 4
E. 5

102.Select a suitable figure from the Answer Figures that would replace the question mark (?).
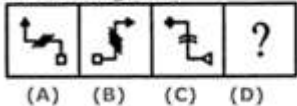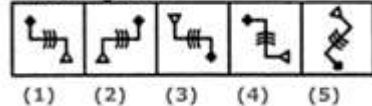


A. 1
B. 2
C. 3
D. 4
E. 5

103.Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:



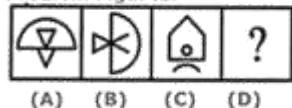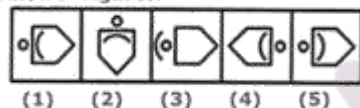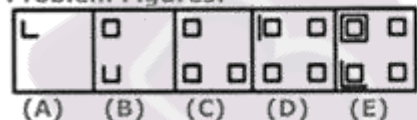(A)   (B)   (C)   (D)

Answer Figures:



(1)   (2)   (3)   (4)   (5)
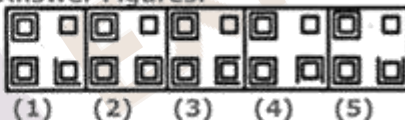
A. 1
B. 2
C. 3
D. 4
E. 5

104.Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.
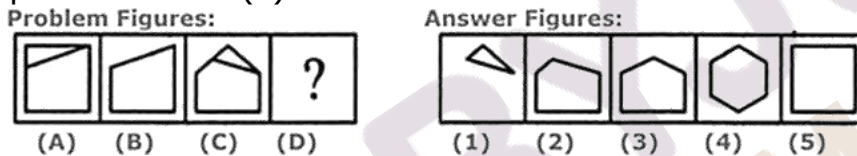
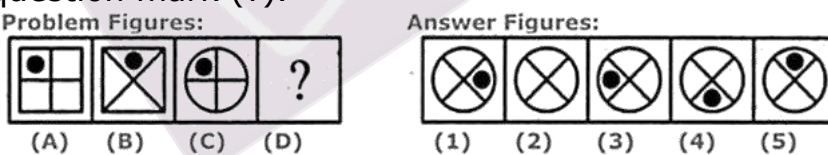Problem Figures:
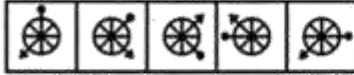


(A)   (B)   (C)   (D)   (E)

Answer Figures:
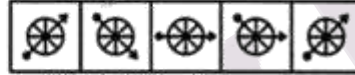


(1)   (2)   (3)   (4)   (5)

A. 1
B. 2
C. 3
D. 4
E. 5

105.Choose the figure which is different from the rest.



(1)   (2)   (3)   (4)   (5)

A. 1
B. 2
C. 3
D. 4
E. 5

106.Choose the figure which is different from the rest.



(1)   (2)   (3)   (4)   (5)

A. 1
B. 2
C. 3
D. 4
E. 5

107. Select a suitable figure from the Answer Figures that would replace the question mark (?).
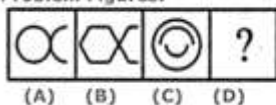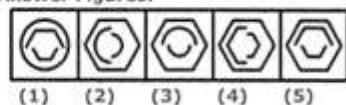


A. 1
B. 2
C. 3
D. 4
E. 5

108. Select a suitable figure from the Answer Figures that would replace the question mark (?).



A. 1
B. 2
C. 3
D. 4
E. 5

109. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.



A. 1
B. 2
C. 3
D. 4
E. 5

110. Choose the figure which is different from the rest.



A. 1
B. 2
C. 3
D. 4
E. 5

111. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.
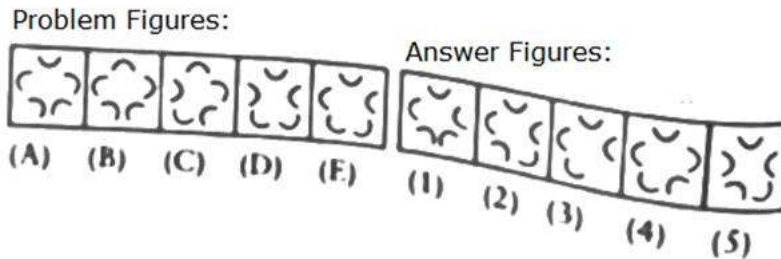


A. 1
B. 2
C. 3
D. 4
E. 5

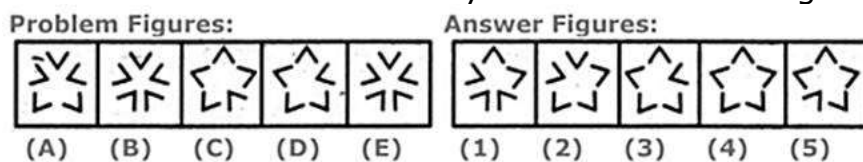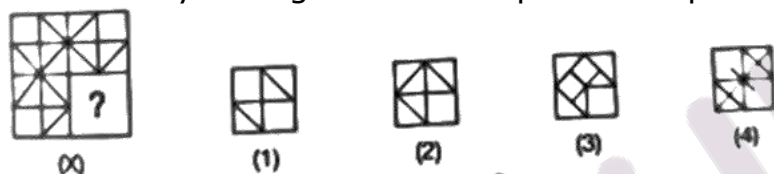112. Select a suitable figure from the Answer Figures that would replace the question mark (?).



A. 1
B. 2
C. 3
D. 4
E. 5

113. Select a suitable figure from the Answer Figures that would replace the question mark (?).



A. 1
B. 2
C. 3
D. 4
E. 5

114. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.
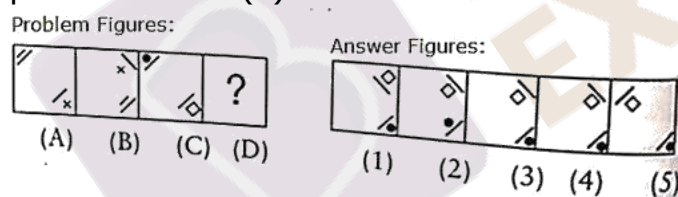


A. 1
B. 2
C. 3
D. 4
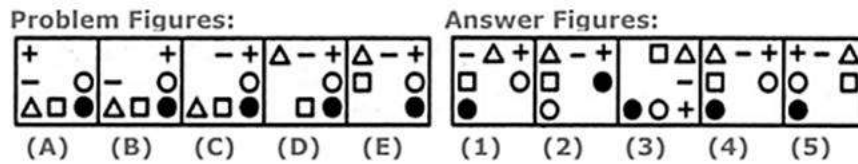E. 5

115. Identify the figure that completes the pattern.



A. 1
B. 2
C. 3
D. 4
E. None of these

116. Select a suitable figure from the Answer Figures that would replace the question mark (?).
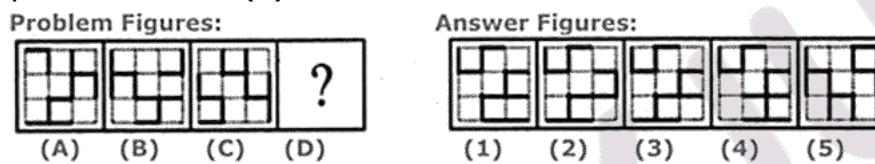


A. 1
B. 2
C. 3
D. 4
E. 5

117. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.



A. 1
B. 2
C. 3
D. 4
E. 5

118. Select a suitable figure from the Answer Figures that would replace the question mark (?).



A. 1
B. 2
C. 3
D. 4
E. 5

119. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.
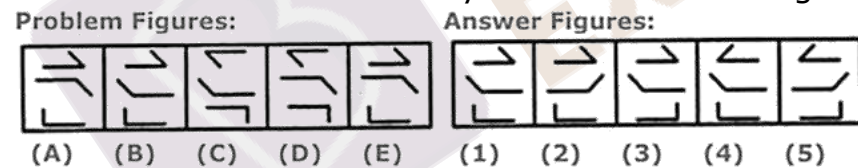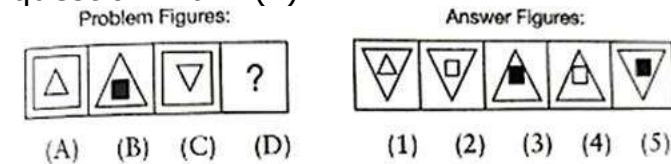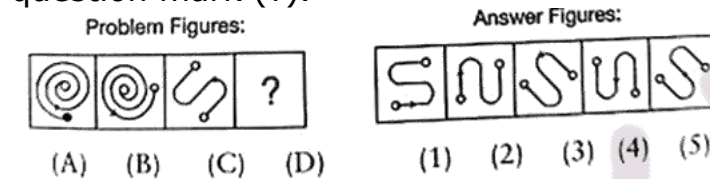


A. 1
B. 2
C. 3
D. 4
E. 5

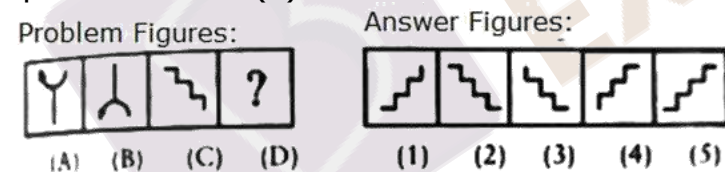120. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:

Answer Figures:

(A)   (B)   (C)   (D)          (1)   (2)   (3)   (4)   (5)

A. 1
B. 2
C. 3
D. 4
E. 5

121. Select a suitable figure from the Answer Figures that would replace the question mark (?).

Problem Figures:

Answer Figures:

(A)   (B)   (C)   (D)          (1)   (2)   (3)   (4)   (5)

A. 1
B. 2
C. 3
D. 4
E. 5

122. Select a suitable figure fun the huiswer rigures that would replace the question mark (?).

Problem Figures:

Answer Figures:

(A)   (B)   (C)   (D)          (1)   (2)   (3)   (4)   (5)

A. 1
B. 2
C. 3
D. 4
E. 5

123.Select a suitable figure from the Answer Figures that would replace the question mark (?).
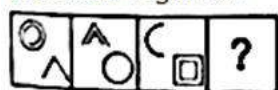
Problem Figures:

Answer Figures:

(A)    (B)   (C)   (D)          (1)   (2)    (3)    (4)    (5)

A. 1
B. 2
C. 3
D. 4
E. 5

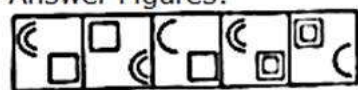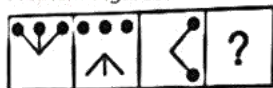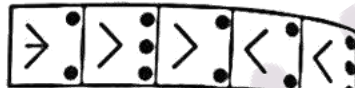124.Select a suitable figure from the Answer Figures the replace the question mark (?).

Problem Figures:

Answer Figures:

(A)    (B)   (C)  (D)          (1)    (2)    (3)    (4)    (5)

A. 1
B. 2
C. 3
D. 4
E. 5

125.Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures:

Answer Figures:

(A)    (B)    (C)    (D)    (E)         (1)    (2)    (3)    (4)    (5)

A. 1
B. 2
C. 3
D. 4
E. 5

**Direction:** Study the following data carefully and answer the questions accordingly.

Six people A, B, C, D, E and F are sitting around a circular table facing inside the centre. Each one of them likes different colours i.e., Pink, Blue, Red, Green, Orange and Brown but not necessarily in the same order.C sits two places away from the one, who likes Orange. Two people sit between the one,

who likes Pink and C. D sits opposite to the one, who likes Red. D does not like Pink and Orange. D does not sit near to the one, who likes Pink. E likes Blue. B sits immediate right of A and both do not like Orange. The one, who likes Brown, sits to the immediate left of the one, who likes Green. C does not like Green.

126. Who amongst the following likes Red?
A. D
B. C
C. E
D. B
E. None of these

127.How many people sit between E and A when counted from right of A?
A. Three
B. None
C. One
D. Two
E. Four

128.A likes which amongst the following colour?
A. Orange
B. Pink
C. Red
D. Blue
E. None of these

129.Who sits opposite to the one who likes green?
A. B
B. A
C. F
D. E
E. None of these

130.Who likes Brown colour?
A. C
B. E
C. D
D. F
E. None of these

131.What is the position of D with respect to A?
A. Second to the right
B. Second to the left
C. Third to the right
D. Immediate left
E. None of these

**Direction:** In each question below, some statements are given followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows/follow from the given statements, disregarding commonly known facts.

132. **Statements:**
Some data is not wide.
Only a few rings are wide.
No paper is ring.
**Conclusions:**
I. Some wide are data.
II. Some rings are not data.
A. If only conclusion I follows.
B. If only conclusion II follows.
C. If either conclusion I or II follows.
D. If neither conclusion I nor II follows.
E. If both conclusions I and II follow.

133.**Statements:**
Only a few mixed are roast.
Only a few house are plain.
All plains are mixed.
**Conclusions:**
I. All plains are roast is a possibility.
II. All roast are mixed is a possibility.
A. If only conclusion I follows.
B. If only conclusion II follows.
C. If either conclusion I or II follows.
D. If neither conclusion I nor II follows.
E. If both conclusions I and II follow.

134.Which letter is third to the left of the formed word by using the alphabets which are at second, third, fourth and seventh place in the word 'QUINTESSENTIAL'. If more than one word is formed, then select 'X'. If no word is formed, select 'Y'?
A. T
B. X
C. Y
D. J
E. U

**Direction:** Study the following information and answer the given questions.

Ten boxes A, B, C, D, E, F, G, H, I and J are stacked one above the other but not necessarily in the same order. E is kept between J and F, J being above F. A is placed just above H which is placed just above C. Three boxes are placed between G and I, which is placed just below C. F is at the lowermost position. D is not placed at the topmost position. C is placed at the sixth position.

135. How many boxes are placed between A and D?
A. 3
B. 2
C. 4
D. 5
E. 0

136.Which of the following box is at the top?
A. G
B. A
C. J
D. B
E. None of the above

137.If H is related to C, D is related to J, then B is related to
_____.
A. I
B. G
C. E
D. F
E. None of the above

138. Which box is placed at the 8<sup>th</sup> position?
A. G
B. I
C. A
D. J
E. F

139. How many boxes are there below D?
A. 4
B. 1
C. 2
D. 3
E. 0

140. Find the odd one out.
A. B – A
B. H – I
C. J – F
D. D – E
E. I – A

**Direction:** In these questions, relationships between different elements are shown in the statements. These statements are followed by two conclusions.

141. **Statement :**
A > L = T < R ≤ H > K
**Conclusions :**
I. H > L
II. K > T
A. Only conclusion I follows.
B. Only conclusion II follows.
C. Either conclusion I or conclusion II follows.
D. Neither conclusion I nor conclusion II follows
E. Both conclusions I and II follow.

142. **Statement:**
P ≥ N > D ≥ G < B ≤ J
**Conclusions:**
I. G < P
II. G < J
A. Only conclusion I follows.
B. Only conclusion II follows.
C. Either conclusion I or conclusion II follows.
D. Neither conclusion I nor conclusion II follows
E. Both conclusions I and II follow.

143.**Statement:**
Q $\leq$ E < I > N = R $\geq$ S
**Conclusions:**
I. E $\geq$ S
II. S $\leq$ N
A. Only conclusion I follows.
B. Only conclusion II follows.
C. Either conclusion I or conclusion II follows.
D. Neither conclusion I nor conclusion II follows
E. Both conclusions I and II follow.

144.**Statement:**
R = S $\geq$ Y $\geq$ M < W > O
**Conclusions:**
I. Y < M
II. O > S
A. Only conclusion I follows.
B. Only conclusion II follows.
C. Either conclusion I or conclusion II follows.
D. Neither conclusion I nor conclusion II follows
E. Both conclusions I and II follow.

145.If 2 is subtracted from each odd digit in the number 84956327 and 1 is added to each even digit in the number, then which of the following digit is repeated twice in the new number so obtained?
A. 9, 7, 3
B. 5, 7, 3
C. 7, 3, 9
D. 1, 5, 3
E. None of these

**Direction:** Study the data carefully and answer the questions accordingly.

There are certain number of people sitting in a linear row and are facing north direction. Three people sit between A and M. Q sits to the immediate right of M. Two people sit between A and C who does not sit adjacent to M. R sits to the immediate left of T. R sits at one of the extreme ends. The number of people sit between A and Q is same as the number of people sit between T and Q. G sits second to the right of C. The number of people sit between G and A is same as the number of people sit between G and O. One people sits either to the left or right of O.

146. How many people sit in the row?
A. 12
B. 15
C. 19
D. 21
E. None of these

147.How many people sit to the right of A?
A. Five
B. Eleven
C. Nine
D. Three
E. None

148.How many people sit between M and A?
A. None
B. Three
C. One
D. Two
E. More than three

149.How many people sit between G and O?
A. Five
B. Six
C. One
D. Four
E. None

150.Who sits second to the right of C?
A. O
B. G
C. A
D. Q
E. None of these

151.How many people sit between A and R?
A. Six
B. Eight
C. Four
D. Nine
E. None

**Direction:** Study the following data carefully and answer the questions accordingly.

Point R is 44m west of point S. Point X is 50m east of point U. Point Y is 26m west of point T, which is 16m south of point W. Point V is 52m north of point X. Point U is 36m south of point R. Point V is 22m west of point W. Point Y is 42m north of point L, which is 30m west of point Z. Point U is 56m north of point H, which is 60m west of point B.

152. Point B is in which direction of point L?
A. West
B. North
C. South-East
D. South-West
E. None of these

153. What is the total distance between the points X and B through U and H?
A. 148m
B. 175m
C. 166m
D. 134m
E. None of these

154. Point Y is in which direction of point H?
A. South
B. North-West
C. North-East
D. South-West
E. None of these

155. Find the odd one.
A. H, R
B. X, V
C. S, Y
D. L, Y
E. U, R

**Direction:** Study the following information and answer the given questions.

Eight people are born on two different dates i.e., 11th and 19th in four different months i.e. March, June, September, and October of the same year. A is born in a month having 30 days. Four people are born between X and A. Two people are born between V and X. K is born either just before or just after V but not in the same month. K is born before September. O is born immediately before H. J is born before O but after P.

156. Who was born in the month of October?
A. X
B. K
C. O
D. A
E. V

157.How many people were born between P and V?
A. 2
B. 1
C. 3
D. 0
E. 4

158.Who among the following was born on 19th day of a month?
A. P
B. O
C. V
D. H
E. A

159.Who was born immediately after J?
A. K
B. X
C. H
D. A
E. None of the above

160.Who among the following were born in the same month?
A. V, O
B. P, K
C. H, J
D. P, X
E. A, O

161. Who among the following is the youngest?
A. P
B. J
C. O
D. H
E. X

**Direction:** Study the following data carefully and answer the questions accordingly.

In a certain code language,

'together we have leave' is written as 'gi xi vi zi'.
'books are external together' is written as 'zi li ki ti',
'knowledge moved through books' is written as 'di ki si fi',
'external knowledge easy together' is written as 'si zi ti bi'.

162. What will be the code for 'moved'?
A. ki
B. di
C. fi
D. si
E. Either di or fi

163. What will be the possible code for 'easy books knowledge gained'?
A. bi ki di mi
B. si ki bi di
C. ti ki si ci
D. bi mi ki si
E. Cannot be determined

164. What will be the possible code for 'we leave books'?
A. vi zi xi
B. xi gi ti
C. xi vi ki
D. gi vi zi
E. None of these

165. What will be the code for 'si'?
A. through
B. books
C. external
D. knowledge
E. Cannot be determined

166.If 'you have to leave' is coded as 'ai xi vi ci', then what will be the code for 'we'?
A. vi
B. xi
C. gi
D. zi
E. Cannot be determined

**Direction:** Study the data carefully and answer the questions accordingly.

Twelve people are sitting in two parallel rows which have six seats in each row. There is equal distance between adjacent seats. In Row-1 i.e., G, H, I, J, K, L are seated and all of them are facing north. In Row-2 i.e., M, N, O, W, X, Y seated and all of them are facing south.M sits third to the right of Y. The one who sits second to the left of M faces I. Number of people sitting to the right of J is the same as the number of people sitting to the left of I. N faces the immediate neighbour of G. J sits third to the right of G. Three people sit between M and X. H sits fourth to the left of L, who does not face W.

167. How many people sit to the right of the one who faces N?
A. Three
B. Four
C. One
D. Two
E. None

168.Who sits opposite to X?
A. K
B. L
C. J
D. I
E. None of these

169.How many people sit between L and K?
A. Three
B. Four
C. None
D. One
E. Two

170.Find the odd one.
A. M
B. G
C. L
D. X
E. O

171.How many people sit to the left of Y?
A. Two
B. Three
C. One
D. Four
E. None

172.How many such pairs of letters are there in the word 'Thermopile' each of which has as many letters between them in the word as in the English alphabet (Both forward and backward)?
A. Nil
B. One
C. Two
D. Three
E. None of these

**Direction:** Study the following information and answer the given questions.

Eight people i.e., M, N, O, P, Q, R, S and T were born in different years i.e., 1981 to 1988 but not necessarily in the same order.

(Note: Consider the base year as 2020.)
T is the youngest while M is the eldest. Age of R is a prime number. Two persons were born between Q and P. R is elder than N. Age of Q is divisible by a prime number less than 7 but more than 3. Only one person was born between T and S who is not younger than O.

173. How many people were born between P and O?
A. 4
B. 3
C. 2
D. 1
E. None of the above

**Direction:** Study the following information and answer the question.

If one is appointed as a data scientist with a probationary period of two years; after completing two years, his performance will be reviewed on a scale of 1 to 10 and the amount of increment in his salary will be decided. If he passes all the examination and interviews but could not score the highest but have not scored the least, he may get an offer of less salary and face demotion at work. If he fails to score the passing marks, he will get fired from his job. If he scores more than 65%, he will become as permanent employee of the company.

174. Which of the following **assumption/s** is/are implicit?

I. The performance of the person is not known when he was appointed.

II. The person will perform best only six months before the two-year probation period ends.

III. If the person gets demoted, he may face embarrassment and humiliation at work.

A. Only I is implicit

B. Both I and III are implicit

C. Both II and III are implicit

D. Only II is implicit

E. None of the above

**Direction:** In question below is given a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

175. **Statement:** Local administration made elaborate security arrangement and alerted the local hospitals to be in readiness during the ensuring festival days.

**Assumptions:**

I. A very large number of devotees may assemble in the city during the festival days.

II. Security personnel will not be able to control the crowd.

A. If only assumption I is implicit.

B. If only assumption II is implicit.

C. If either assumption I or assumption II is implicit.

D. If neither assumption I nor assumption II is implicit.

E. If both assumptions I and assumption II are implicit.

176.The increase in the number of newspaper articles exposed as fabrications serves to bolster the contention that publishers are more interested in boosting circulation than in printing the truth. Even minor publications have staff to check such obvious fraud.

***Which of the following may be the assumption of the given argument?***
A. Newspaper stories exposed as fabrication are a recent phenomenon
B. Everything a newspaper print must be factually verifiable
C. Fact checking is more comprehensive for minor publications that for major
D. The Publisher of newspapers are the people who decide what to print in their newspapers
E. None of the above

177. **Statement:**
It has been reported in a recent research report that taller people are found to be happier than those who are relatively shorter.
Which of the following **assumptions** is/are not implicit?
I. People are generally truthful when they respond to the questions of such research studies.
II. Those people who have a comfortable lifestyle are found to be happier than those who lead a strenuous lifestyle irrespective of their height.
III. Shorter people suffer from inferiority complex throughout their life.
IV. Taller people are found to be more positive in their approach to daily chores of lives.
A. Only I is not implicit
B. Only II is not implicit
C. Both I and II are not implicit.
D. Only IV is not implicit
E. None of the above

178.**Statement:**
The Govt. has decided to construct an eight-lane superhighway across the state to facilitate the fast movement of vehicles.
Which of the following can be an **assumption** which is **implicit** in the above statement?
I. The Govt. has adequate resources to construct the proposed superhighway.
II. The people of the state may protest against the Govt.'s decision as their farmland will be taken over by the Govt. for constructing the highway.
III. The Govt. may find it difficult to enroll a suitable contractor for constructing the highway.
IV. There is no other highway that can be used for the transportation of goods across the state.
A. Only I is implicit
B. Both I and II are implicit
C. Both III and IV are implicit
D. Only III is implicit
E. None of the above

179. Unlike other retail outlets, where items are purchased in any number of units the customer wants, in awn-markets items are grouped in bulk packages. This bulk buying offers saving to the customer. The option to buy at wholesale prices by buying in bulk makes super-market a practical choice for budget-conscious consumers.

*Which of the following assumption may be drived from the above information.*

A. Super-markets often have greater buying power and lower overhead costs, so they can offer a greater variety of products than regular retail outlets

B. Super-markets are often more conveniently located and have better parking facilities.

C. The emergence of super-markets has caused many small retail stores to close down and thus eliminate competitions

D. It is economically wise to buy single items bulk packages seldom offer significant savings

E. The financial savings from purchasing bulk packages may outweigh the inconvenience of being unable to purchase in any number of units that suits the customers need

**Direction:** A passage is given and the questions are based on the given passage. Select the best answer from the choices given.

It was a strange bystander-feeling, to sit there without doing anything and listen to the way this fellow dealt with his customers. I liked the way he sold his rides without any excitement in his tone. The few words he spoke, would put somebody to sleep instead of exciting the person. I had thought there is only one way of selling rides which were my way – "Guaranteed ten degrees cooler upstairs, folks! Come on up where only birds and angels fly! All of this for three dollars only, a dozen quarters from your purse or pocket..."-, I had forgotten there might be another.

180. Which of the following cannot be experienced by someone who flies at 10000 feet for the first time?

A. He will find that it is ten degrees cooler upstairs.

B. He will undoubtedly find birds giving him company.

C. He would be feeling excited.

D. He would think of Rahul Gandhi and the Congress.

E. None of these

181. Which of the following reflects the basic idea of the passage?

A. How will you solve a problem like selling a ride?

B. Where there is a will, there is a way.

C. To work hard today and enjoy tomorrow is the wisdom one needs to learn.

D. There are two sides to every situation.

E. None of these.

182.Four possible scenarios are given. Which among them would make the writer feel once again that there is only one way of doing things which is his way?
A. A long queue of people waiting to board the author's plane and a few to board his' plane.
B. A long queue of people waiting to board his' plane and a few to board the author's plane.
C. No one willing to take a ride with the author.
D. Two equally long queues of people waiting for boarding the author's and his' plane.
E. None of these

183.Which of the following conclusions can be drawn from the given passage?
A. The author had become jealous of him, after seeing the way he was selling his rides.
B. The author had become wiser in realizing that there are ways and means of doing things which could be different and which one would not have even dreamt
C. The author had become indifferent to the action taking place before him
D. Many questions arose in the author's mind after the author witness him selling his rides.
E. None of these

184.Which of the following is the author least likely to agree with?
i. It was not the way he spoke, that attracted the crowd. He must be a special person
ii. The other person must have learnt the art of selling by going to another school of thought.
iii. The other person had a lot of inferiority complex
A. i) only
B. ii) only
C. iii) only
D. i) and ii) only
E. None of these

## ANSWERS

1. Ans. D.

The correct answer is option A. Part A, D and I are connected on the basis that an astronomer spotted a rock, which is tumbling in the solar system.

Part B talks about a girl using her laptop. The logical part which follows is part F as the girl is listening to something intently and that can be done on a laptop in this case. This is followed by part H as it talks about holding the headphone upside down.

However, Part C and E can be connected, but there is no part in column III which conclude the sentence in correct manner. Thus, option D is the correct answer.

2. Ans. C.

In the above sentences, the part C is correctly followed by part I. It talks about the accused who has been conspiring with a senior royal, who is also the half brother of the King, mentioned in part I. Part F concludes the sentence. The only option which has CIF as an alternative is option C.

We can negate the rest of the option as of now. ADG and BEH also makes grammatically correct and contextually sensible sentence. Thus, option C is the correct answer.

3. Ans. C.

Part A talks about the atmosphere of some place. The next parts which can follow logically are part G and part F. It talks about a debate competition which is well attended due to electric atmosphere. Thus, AGF makes a correct sentence.

Part B needs to be followed by a verb as it is ending with the auxiliary verb 'have'. It is followed by part H as social media influencers can only turn against their social media platforms. It is correctly concluded by part D, as it talks about why the influencers leave social media. Part C and E make a pair, it does not have a correct conclusion in column III. Thus, only parts AGF and BHD form a sentence, which is grammatically and contextually correct. Thus, option D is the correct answer.

4. Ans. A.

Part A is logically followed by part D as one can take vaccine shot against a disease, in this case, covid. Part AD is correctly followed by part G as the actress can share the news with her fans. Part ADG form a sentence.

Part B is followed part E we are talking about a city in north Germany. This is followed by part H as one can buy confiscate goods from auctions. Thus, parts BEH form a sentence.

Similarly, part C is followed by parts F as well I as they extend the definition of Renaissance, in a grammatically correct and contextual manner. Thus, parts CFI forms a sentence.

Thus, option A is the correct choice.

5. Ans. D.

Part A is followed by part D and part G as the definitions of nihilism has been discussed over history by various philosophers.

However, only part ADG makes a coherent sentence. The rest of the combinations are incoherent, contextually and grammatically incorrect. Thus, option D is the correct answer.

6. Ans. D.

To consider the sentence as a whole, we first need to outline the meanings of the given words.

Sedimented: settled down over time.

Theoretical: based on the ideas that relate to a subject, not the practical uses of that subject

Associations: a group of people who work together in a single organization for a particular purpose.

Eclecticism: the fact of combining things from many different areas or systems.

Note that as per the rule of parallelism the last word has to be a plural entity due to the presence of the noun word 'origins.' Accordingly, 'strategy' needs to be replaced with 'associations', the only plural noun among the emboldened words.

The word 'eclecticism' is correct in its place.

So, for the sentence to make sense, we need to swap the two adjectives 'sedimented' and 'theoretical'.

This is because the adverb 'historically' can best qualify the adjective 'sedimented', indicating that it has taken some time for an idea to settle down and take root. Similarly, 'theoretical' goes well with the combining of ideas involved in 'eclecticism'.

The correct sentence would be "The theoretical eclecticism is a matter both of strategy and of mixed, historically sedimented, origins and associations."

7. Ans. C.

The word 'indulge' is correct in its place.

At position A, we cannot have an adjective in any case. We need nouns in A and B, to provide the passive statement with definitive subjects. This is best done by the nouns 'groans' and 'despondency' that can be sensed and heard in the environment( as per the context of the sentence). These nouns not only maintain parallellism in belonging to the same part of speech, 'noun', but they also denote the same gloomy tone demanded by the first half of the sentence. For the second half of the sentence, a noun is required at position D, to be prefaced by the article 'the' and to provide the clause with a subject, in this case, 'the picture'. This leaves 'gloomy' for position 'E', where it fits aptly.

Thus, the correct sentence is

"Despite the **groans** and **despondency** which we hear all around and in which we **indulge** ourselves, the **picture** is not universally **gloomy**."

8. Ans. B.

The term "local devastation" does not make any sense. It can either be replaced by "businesses" or "government". However, "devastation" will be contextually incorrect at (E). So, B and C must be exchanged.

Also, the present progressive verb used at A is incorrect as there is no auxiliary verb present before it. We need to look for another verb in the sentence, which can be best sufficed by the word 'urged'. Exchanging A-D will ride the sentence contextually and grammatically correct. Thereby leaving only the word 'government' correct in its place.

9. Ans. E.

Note that only E is correct in its place.

And we need to exchange A with B and C with D need to make the sentence both contextually and meaningfully correct. In this question we are talking about a species Tasmanian Devils which became extinct in mainland Australia 3000 years ago. The word 'wild' means a place which is uninhabited or desolate. Sometimes it is used for jungles where human do not go usually. So, it is the correct word to be used at B whereas the word 'devils' is apt at A. The word 'marsupials' may seem correct at C as it means any Australian animal that carries its baby in a pocket of skin (pouch) on the mother's stomach. But if we look carefully, since we are talking about releasing the animals into the wild so, it must be in Australia's mainland. Also, the adjective feisty qualifies the noun marsupials correctly. So, C and D should be interchanged.

Hence, option E 'extinct' is the correct answer.

10. Ans. D.

Since in the last part of the sentence we are talking about a problem related to large area of land, so the word that goes with it is 'desertification'. The word means 'the process of becoming a desert or of making an area of land into a desert'. Also, as we are talking about water problem in India so the word 'shortage' fits at A. At D the word 'depleting' fits well. It is the present participle form of the verb 'deplete' which means 'to reduce the amount of something so that there is not much left'. It gives meaning here as the word is followed by the word 'aquifers'. Also, in place of C the word 'owing' is correct. 'Owe' means 'to have something (for the reason given)'. Here the 'tremendous water-stress' is the reason behind the grave water situation in India.

Thus, only the word 'Grave' is correct in its place and needs no exchange. So, the correct answer is D.

11. Ans. C.

The topic is about human's search for extra-terrestrial life and how we try to portray our own imagination on the blank canvas of space. Segment F is the first statement of the passage as it introduces us to the topic of the passage, the quest for the extra-terrestrial life. This is followed by sentence C. It relates to part F as it states that even after the quest for extra-terrestrial life, we feel

that we are all alone. Part C is followed by part B, which provides a reason why we feel that way. Part D follows part B. Part B states that a result of part C and B, is constant search for extra-terrestrial even without evidence. It has resulted in humans portraying their own imagination on the big blank space. This is followed by parts E and A, and these two segments forms a pair as these are examples of the fact stated in part D, that is how humans to project hopes and fears, deepest insecurities, and loftiest desires to space. Sentence G concludes the paragraph by providing its otherwise negatory tone with a positive outcome. Thus, the correct sequence is FCBDEAG.

Option C is the correct choice.

12. Ans. D.

The topic is about human's search for extra-terrestrial life and how we try to portray our own imagination on the blank canvas of space. Segment F is the first statement of the passage as it introduces us to the topic of the passage, the quest for the extra-terrestrial life. This is followed by sentence C. It relates to part F as it states that even after the quest for extra-terrestrial life, we feel that we are all alone. Part C is followed by part B, which provides a reason why we feel that way. Part D follows part B. Part B states that a result of part C and B, is constant search for extra-terrestrial even without evidence. It has resulted in humans portraying their own imagination on the big blank space. This is followed by parts E and A, and these two segments forms a pair as these are examples of the fact stated in part D, that is how humans to project hopes and fears, deepest insecurities, and loftiest desires to space. Sentence G concludes the paragraph by providing its otherwise negatory tone with a positive outcome. Thus, the correct sequence is FCBDEAG.

Option D is the correct choice.

13. Ans. E.

The topic is about human's search for extra-terrestrial life and how we try to portray our own imagination on the blank canvas of space. Segment F is the first statement of the passage as it introduces us to the topic of the passage, the quest for the extra-terrestrial life. This is followed by sentence C. It relates to part F as it states that even after the quest for extra-terrestrial life, we feel that we are all alone. Part C is followed by part B, which provides a reason why we feel that way. Part D follows part B. Part B states that a result of part C and B, is constant search for extra-terrestrial even without evidence. It has resulted in humans portraying their own imagination on the big blank space. This is followed by parts E and A, and these two segments forms a pair as these are examples of the fact stated in part D, that is how humans to project hopes and fears, deepest insecurities, and loftiest desires to space. Sentence G concludes the paragraph by providing its otherwise negatory tone with a positive outcome. Thus, the correct sequence is FCBDEAG.

Option E is the correct choice.

14. Ans. A.

The topic is about human's search for extra-terrestrial life and how we try to portray our own imagination on the blank canvas of space. Segment F is the first statement of the passage as it introduces us to the topic of the passage, the quest for the extra-terrestrial life. This is followed by sentence C. It relates to part F as it states that even after the quest for extra-terrestrial life, we feel that we are all alone. Part C is followed by part B, which provides a reason why we feel that way. Part D follows part B. Part B states that a result of part C and B, is constant search for extra-terrestrial even without evidence. It has resulted in humans portraying their own imagination on the big blank space. This is followed by parts E and A, and these two segments forms a pair as these are examples of the fact stated in part D, that is how humans to project hopes and fears, deepest insecurities, and loftiest desires to space. Sentence G concludes the paragraph by providing its otherwise negatory tone with a positive outcome. Thus, the correct sequence is FCBDEAG.

Option A is the correct choice.

15. Ans. D.

The topic is about human's search for extra-terrestrial life and how we try to portray our own imagination on the blank canvas of space. Segment F is the first statement of the passage as it introduces us to the topic of the passage, the quest for the extra-terrestrial life. This is followed by sentence C. It relates to part F as it states that even after the quest for extra-terrestrial life, we feel that we are all alone. Part C is followed by part B, which provides a reason why we feel that way. Part D follows part B. Part B states that a result of part C and B, is constant search for extra-terrestrial even without evidence. It has resulted in humans portraying their own imagination on the big blank space. This is followed by parts E and A, and these two segments forms a pair as these are examples of the fact stated in part D, that is how humans to project hopes and fears, deepest insecurities, and loftiest desires to space. Sentence G concludes the paragraph by providing its otherwise negatory tone with a positive outcome. Thus, the correct sequence is FCBDEAG.

The sentences D, E, and G remain unchanged even after rearrangement.

Option D is the correct choice.

16. Ans. D.

The statement is in present perfect tense, as we continue to project our imagination. When we use present perfect tense, "have" or "has", it is followed by the past participle form of the verb. Thus, option D is the correct choice.

17. Ans. A.

The blank needs a verb to make the sentence meaningful. This negates option D and E.

Out of options A, B and C, only option A makes sense as we are speculating about extra-terrestrial life, not presenting, or arguing because we do not know whether they exist or not. Thus, option A is the correct answer.

18. Ans. B.

The sentence implies that Atkinson's book, instead of the readership, is benefitted from the recent scholarship. The details of the process are not known to us. Hence, the correct answer is B.

19. Ans. B.

"...two books exemplify both old and new tropes." The two books being referred to are James Donovan's Shoot for the Moon and Eight Years to the Moon by Nancy Atkinson. Donovan's book is described as "...a by-the-numbers retelling that is also a familiar one…" We can infer that this method of writing a linear narrative that is known to most people, has been used multiple times in the past.

The passage also states that "The overall beats of Donovan's story will be familiar to many." The character of von Braun is then immediately introduced. Donovan describes him as the chief architect but glosses over the fact that while von Braun is familiar to many, his history as an ex-SS officer is not well known. Hence, the correct answer is B.

20. Ans. B.

The passage states that von Braun was "...captured by Americans after World War II." But later, "...he directed the project to develop the giant Saturn V rocket that sent Apollo to the Moon."

This could've happened only when von Braun was no longer in captivity. Even though there are no direct statements provided in the paragraph, we can look at the chain of events and make an educated guess that von Braun exchanged his knowledge for his freedom. The given inference is probably true. Hence, the correct answer is B.

21. Ans. B.

The labour for V2 was provided by slave prisoners in Nazi concentration camps, which means that they never needed to be paid. Going by just this information, we can say that labour costs wasn't very high. Also, labour costs alone don't make a project ambitious. Hence, the correct answer is B.

22. Ans. B.

Both options B & C are criticised by the author. The author calls the ending abrupt. They also imply that it could've been elaborated further rather than ending on a pithy note.

"Although Donovan glosses over this, von Braun's team's culpability for crimes against humanity is fundamental to any reckoning with the legacy of Apollo."

This shows that the author is criticising Donovan on the more grim aspects of von Braun's past, namely his involvement in the V2 rockets.

Hence, the correct answer is B.

23. Ans. B.

Cursory means hasty and therefore not thorough or detailed.

To be easy on the eye means to be pleasant to look at.

Painstaking means done with or employing great care and thoroughness.

If someone does something at length, they do it for a long time or in great detail.

If you play safe or play it safe, you do not take any risks.

Hence, the correct answer is B.

24. Ans. B.

The whole passage talks about the state of disappointment one often goes through. In this state one thinks that things cannot be achieved. With the given segment, the author means that there are times that one thinks that dreams which one sees to fulfil and accomplish, seem too difficult to achieve. An imagination means fanciful thought which has no real bearing; so, if dreams appear to be parts of imagination, they are supposed to be difficult to be achieved. Thus, option B is the most appropriate answer.

25. Ans. A.

According to the second paragraph of the passage, "People could tell you you're the future Einstein, but the words are pointless if it fails to convince the little voice inside your head. You control that little voice and thus you control your destiny." This means that unless a person is successful in convincing oneself that a particular thing can be achieved, it is impossible to actually achieve it. Thus, option A is the correct answer.

26. Ans. D.

According to the third paragraph of the passage, "So if you are feeling exhausted and disheartened at the end of a tiring term, give yourself the opportunity to make peace with the fact that you cannot change your shortcomings." To make peace with a means to come to terms with a certain fact. Thus, option D is the correct answer.

27. Ans. D.

According to the second paragraph of the passage, "You are consumed with self-doubt as to whether you were justified in making certain career decisions… Basically, you stop believing in yourself…" Thus, option D is the correct answer.

28. Ans. B.

The quote by Einstein asserts that a fish who lives in water and has the ability to swim cannot be judged in terms of how good it is at climbing trees. Similarly, every person is unique and possesses unique qualities and cannot be termed stupid if he/ she is not able to excel in some other task. Thus, the uniqueness/ potential of every person should be realised before calling them incapable.

29. Ans. B.

Redeem— rescue, save

Shed— discharge

Rescue— save

Dissipate— disappear

Distinguish— differentiate

Thus, option B is the correct answer.

30. Ans. C.
Numerous— many
Gigantic— huge
Occasional— irregular
Umpteen— indefinitely many; a lot of
Infrequent— irregular
Exotic— foreign
Clearly, option C is the correct answer.

31. Ans. B.
Restraining— preventing, limiting
Peccable— capable of sinning
Divulging— disclosing, revealing
Clearly, "achievable" carries the opposite meaning of "unattainable".

32. Ans. D.
This question requires attention. There is a slight difference in the context of the fourth statement which makes it different from the rest. All the statements talk about sea water and the life of creatures but the fourth statement talks about general sealife while the other statements talk about sea life in frozen water conditions.

33. Ans. B.
This question requires careful reading. All the options talk about nuclear energy. Option B, however, talks about energy from coal.

34. Ans. B.
This is a tricky question. All the statements appear to be about agricultural sector. But it's just option second which talks about this in general while all the other statements talk about technological interventions in the agricultural sector.

35. Ans. C.
This requires careful reading. All statements except C talk about oil as an energy resource. Statement C talks about nuclear capacity.
Hence, C is the correct answer.

36. Ans. D.
'Endearment' means love or affection. It makes no sense in the second blank and thus option C is rejected. In terms of something being used, the use of words 'incidents' and 'fundamentals' is incorrect as well, making option E and A, incorrect. If something is being used, it means it is useful. In this context, the use of the word 'disadvantages' is inappropriate in the first blank, making option B incorrect.
**Jargon** and **language** are the appropriate words. Here Jargon means "terminology" while language means "way to communicate" in the given sentence. Thus option D is the correct response.

37. Ans. C.

The sentence presents a contrast between the temperaments of two people. Corresponding to that 'differed' is the most suitable response for the first blank. Following the comparison, 'rude' also fits in aptly.

38. Ans. A.

The statement's former and latter half present comparison on a general view. Hence, the fillers should be such that they present a stark contrast. 'Preserve,incapable' fits the sentence most suitably.

39. Ans. B.

Grammatically the first and second blanks demand a noun. Now of the given alternatives, contextually, 'recognition' and 'report' fit in the blanks most suitably. Note that authority and fantasy cannot be said to grow. Note that in the second blank we need a word that could reveal the given data of 34 million, which is best sufficed by 'report'. Thus, option B is the correct answer.

40. Ans. E.

Out of the given alternatives, **Indefinitely** and **diminishes** are the appropriate words. Here Indefinitely means "for an indefinite period" while diminishes means "reduces" in the given sentence.

41. Ans. C.

Parts B and C are incorrect. 'There' is an adverb for place or position. This part needs a determiner like 'their'. In part C, the article 'an' should not precede the word 'decade' as it starts with a consonant. Thus, option C is the correct answer.

42. Ans. B.

Parts A and C are incorrect.

In part A 'understand variety diseases' is an incorrect phrase. 'Understand a variety of diseases' or 'understand diseases' is correct. In part C, the meaning is opposite of what the sentence is trying to say. Because of the use of the conjunction 'but' in part D, a contrasting concept is to be presented in part C. Thus, it should be mentioned in part C that the fundamental mission is 'not' to forecast recessions. Thus, option B is the correct answer.

43. Ans. A.

Parts A and B are incorrect. In part A instead of the singular 'country' the plural 'countries' should be used as 'America' is shown as an example. In part B the verb 'concentrate' comes after a preposition 'by' and hence the gerund 'concentrating' should be used. Thus, option A is the correct answer.

44. Ans. B.

Parts C and D carry the error.

'European Central Bank' is a distinctive entity and should be preceded by the definite article 'the'. In part D, the error is of preposition. The preposition 'of' is used for belonging to, relating to, or connected with. Thus, it has been incorrectly used. The correct preposition should be used here is 'off' to complete the phrase 'fend off' which means to defend oneself against (someone or something). Thus, option B is the correct answer.

45. Ans. E.
There are no errors in the given sentence making option E the correct answer.
46. Ans. A.

The meaning of the word ample:
a. to be of more than enough in size or scope or capacity,
b. generously sufficient to satisfy a requirement or need

Meaning a can fit in sentence 1 as we are talking about more than enough scope.

Ample cannot be followed by 'than'. Since than is used where comparisons are being done, it is more likely that in sentence 2 it should be *more* instead of 'ample'.

Statement 3 is incorrect as one "ample" is an adjective and would need a noun, which is missing after it, to modify. Hence, the correct answer is A.
47. Ans. D.
'Court' refers to an assembly (including one or more judges) to conduct judicial business, as in sentence 2.
It is clear from the word 'tennis' in sentence 3 that court means a specially marked horizontal area within which a game is played.
There is no verb phrase as 'court away'. Hence, the correct answer is D.
48. Ans. B.

'Hang up' refers to end/ disconnect a call or when an electronic item stops to work. It is never used in relation to having a baby.
Hang means 'to fasten something or be fastened at the top so that the lower part is free or loose'. 'Estate' cannot be hanged as 'estate' means a large area of land in the countryside that is owned by one person or family.
'Hang around' is a phrasal verb which means to be around somebody or a group of people, as in sentence 3. Hence, the correct answer is B.
49. Ans. C.
Note the plausible meanings of the word 'mock':
a. tease or laugh at in a scornful or contemptuous manner (Verb)
b. make a replica or imitation of something (verb)
c. not authentic or real, but without the intention to deceive (Adjective)
d. an object of derision (Noun)

'Mock' as an adjective means constituting a copy or imitation of something, as in sentence 1.

'Mock' as a verb means to imitate with mockery and derision. The subject decided to mock runners who think they are superior. The word is correctly used in sentence 2.

'Admiralty chart' refers to the charts used by navy officers. You do not make a mock, you mock someone. Hence, the correct answer is C.

50. Ans. E.

The word "track" carries several meanings:

a. a rough path or road, typically one beaten by use rather than constructed.
b. follow the trail or movements of (someone or something), typically in order to find them or note their course.
c. one song or piece of music on a cassette, CD or record

Note: In the case of statement three, the button fast forwards the cassette player to the beginning of the piece of music/song, which is also known as track.

Each of the sentences given in the questions uses the word "track" correctly. Thus, option E is the correct answer.

51. Ans. C.

Pattern of the given series is:
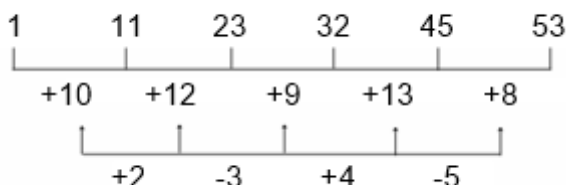


Hence, option C is correct.

52. Ans. B.

Pattern of the given series is:

100 + 3 = 103
103 + 6 = 109
109 + 18 = 127
127 + 72 = 199
199 + 360 = 559

Hence, option B is correct.

53. Ans. A.

Pattern of the given series is:

12 + 7 = 19
19 − 3 = 16
16 + 7 = 23
23 − 3 = 20

20 + 7 = 27

Hence, option A is correct.

54. Ans. D.

Pattern of the given series is:

$10 \times 0.5 + 1 = 6$

$6 \times 1 + 1 = 7$

$7 \times 2 + 1 = 15$

$15 \times 4 + 1 = 61$

$61 \times 8 + 1 = 489$

Hence, option D is correct.

55. Ans. B.

Pattern of the given series is:

$240 + 2^3 = 248$

$248 - 3^2 = 239$

$239 + 4^3 = 303$

$303 - 5^2 = 278$

$278 + 6^3 = 494$

Hence, option B is correct.

56. Ans. C.

Pattern of the given series is:

$2400 \times \frac{1}{2} = 1200$

$1200 \times \frac{2}{5} = 480$

$480 \times \frac{3}{10} = 144$

$144 \times \frac{1}{5} = 28.8$

Hence, option C is correct.

57. Ans. B.

$460.15 + 39.97 + 41 \div 3.98 = ?$

$460 + 40 + 41 \div 4 \approx ?$

$460 + 40 + 10 \approx ?$

$? \approx 510$

Hence, option B is correct.

58. Ans. A.

80.11% of 45.02 + 60% of 499 = ?

By Approximation, we get

80% of 45 + 60% of 500 = ?

$\Rightarrow$ 80% of 45 + 60% of 500 = ?

$\Rightarrow 36 + 300 = ?$

$\Rightarrow ? = 336$

Hence, option A is correct.

59. Ans. B.

$\sqrt{14.898 \times 6.01 - ?}$ = 9

By approximation, we get

$\sqrt{15 \times 6 - ?}$ = 9

⇒ 90 – ? = 81

⇒ ? = 9

Hence, option B is correct.

60. Ans. C.

(12.06 × 4.01) × (12.01 + ?) = 1400

By Approximation, we get

(12 × 4) × (12 + ?) = 1400

⇒ 48 × (12 + ?) = 1400

⇒ 576 + ? × 48 = 1400

⇒ ? × 48 = 824

⇒ ? = 17

Hence, option C is correct.

61. Ans. D.

$\sqrt[3]{217}$ ÷ 1.989 + $\sqrt[3]{1332}$ × 1.992 = ?

By Approximation, we get

$\sqrt[3]{216}$ ÷ 2 + $\sqrt[3]{1331}$ × 2 = ?

⇒ 6 ÷ 2 + 11 × 2 = ?

⇒ ? = 3 + 22

⇒ ? = 25

Hence, option D is correct.

62. Ans. B.

41% of 480 ÷ $?^2$ + 32.04 = 40

By Approximation, we get

41% of 480 ÷ $?^2$ + 32 = 40

⇒ 196 ÷ $?^2$ = 8

⇒ $?^2$ = 24.5

⇒ ? = 5

Hence, option B is correct.

63. Ans. A.

246.01 + 2.98 × 13.98 = $?^2$

By Approximation, we get

246 + 3 × 14 = $?^2$

⇒ $?^2$ = 246 + 42

⇒ $?^2$ = 288

⇒ ? = 17

Hence, option A is correct.

64. Ans. B.
I. $2x^2 - 5x + 2 = 0$
$\Rightarrow 2x^2 - 4x - x + 2 = 0$
$\Rightarrow 2x(x - 2) - 1(x - 2) = 0$
$\Rightarrow (x - 2)(2x - 1) = 0$
$\Rightarrow x = 2, \dfrac{1}{2}$
II. $y^2 - 5y + 6 = 0$
$\Rightarrow y^2 - 3y - 2y + 6 = 0$
$\Rightarrow y(y - 3) - 2(y - 3) = 0$
$\Rightarrow (y - 3)(y - 2) = 0$
$\Rightarrow y = 3, 2$
So, $x \leq y$.
Hence, option B is correct.
65. Ans. B.
I. $2x^2 - x - 3 = 0$
$\Rightarrow 2x^2 - 3x + 2x - 3 = 0$
$\Rightarrow x(2x - 3) + 1(2x - 3) = 0$
$\Rightarrow (2x - 3)(x + 1) = 0$
$\Rightarrow x = \dfrac{3}{2}, -1$
II. $2y^2 - 7y + 6 = 0$
$\Rightarrow 2y^2 - 4y - 3y + 6 = 0$
$\Rightarrow 2y(y - 2) - 3(y - 2) = 0$
$\Rightarrow (y - 2)(2y - 3) = 0$
$\Rightarrow y = 2, \dfrac{3}{2}$
So, $x \leq y$.
Hence, option B is correct.
66. Ans. C.
I. $x^2 = \dfrac{1}{81}$
$\Rightarrow x = \dfrac{1}{9}, -\dfrac{1}{9}$
II. $9y^2 - 6y + 1 = 0$
$\Rightarrow 9y^2 - 3y - 3y + 1 = 0$
$\Rightarrow 3y(3y - 1) - 1(3y - 1) = 0$
$\Rightarrow (3y - 1)(3y - 1) = 0$
$\Rightarrow y = \dfrac{1}{3}$
So, $x < y$
Hence, option C is correct.
67. Ans. B.
I. $4x^2 - 15x + 9 = 0$

⇒ $4x^2 - 3x - 12x + 9 = 0$

⇒ $x(4x - 3) - 3(4x - 3) = 0$

⇒ $(x - 3) (4x - 3) = 0$

⇒ $x = 3, \dfrac{3}{4}$

II. $y^2 - 7y + 12 = 0$

⇒ $y^2 - 3y - 4y + 12 = 0$

⇒ $y(y - 3) - 4(y - 3) = 0$

⇒ $(y - 4) (y - 3) = 0$

⇒ $y = 4, 3$

So, $x \leq y$.

Hence, option B is correct.

68. Ans. C.

Complaints that are not addressed in March = 1200 − 650 − 200 = 350

Complaints that are not addressed in April = 800 − 500 − 150 = 150

Complaints that are not addressed in May = 1400 − 800 − 200 = 400

Complaints that are not addressed in June = 900 − 450 − 250 = 200

Required average = $\dfrac{1200 + 800 + 1400 + 900}{4}$ = 1075

Hence, option C is correct.

69. Ans. B.

Complaints that are not addressed in March = 1200 − 650 − 200 = 350

Complaints that are not addressed in April = 800 − 500 − 150 = 150

Complaints that are not addressed in May = 1400 − 800 − 200 = 400

Complaints that are not addressed in June = 900 − 450 − 250 = 200

Required ratio = (600 + 500) : 1200 = 11 : 12

Hence, option B is correct.

70. Ans. D.

Complaints that are not addressed in March = 1200 − 650 − 200 = 350

Complaints that are not addressed in April = 800 − 500 − 150 = 150

Complaints that are not addressed in May = 1400 − 800 − 200 = 400

Complaints that are not addressed in June = 900 − 450 − 250 = 200

Required percentage = $\dfrac{200}{800} \times 100$ = 25%

Hence, option D is correct.

71. Ans. A.

Complaints that are not addressed in March = 1200 − 650 − 200 = 350

Complaints that are not addressed in April = 800 − 500 − 150 = 150

Complaints that are not addressed in May = 1400 − 800 − 200 = 400

Complaints that are not addressed in June = 900 − 450 − 250 = 200

Required complaints = 150

Hence, option A is correct.

72. Ans. C.
Complaints that are not addressed in March = 1200 − 650 − 200 = 350
Complaints that are not addressed in April = 800 − 500 − 150 = 150
Complaints that are not addressed in May = 1400 − 800 − 200 = 400
Complaints that are not addressed in June = 900 − 450 − 250 = 200
The total number of cases made in July = 1200 × 125% = 1500
Required, number of complaints resolved in July = 1500 × 52% = 780
Hence, option C is correct.

73. Ans. B.
Complaints that are not addressed in March = 1200 − 650 − 200 = 350
Complaints that are not addressed in April = 800 − 500 − 150 = 150
Complaints that are not addressed in May = 1400 − 800 − 200 = 400
Complaints that are not addressed in June = 900 − 450 − 250 = 200
Required difference = (500 + 800) − (200 + 250)
⇒ 1300 − 450 = 850
Hence, option B is correct.

74. Ans. B.
Publisher A:
Total number of books published by publisher A = 450
The number of non-fiction books published by publisher A = 50
The number of fiction books published by publisher A = 450 − 50 = 400
The number of books sold by publisher A = 400 + 41 = 441
The number of books not sold by publisher A = 450 − 441 = 9
Publisher B:

Total number of books published by publisher B = $\frac{450}{5} \times 4$ = 360
The number of books not sold by publisher B = 360 × 25% = 90
The number of books sold by publisher B = 360 × 75% = 270
The number of non-fiction books published by publisher B = 50 × 120% = 60
The number of fiction books published by publisher B = 360 − 60 = 300
Publisher C:
Total number of books published by publisher C = 360 + 180 = 540
The number of books sold by publisher C = 540

The number of non-fiction books published by publisher C = $\frac{540}{9} \times 5$ = 300

The number of fiction books published by publisher C = $\frac{540}{9} \times 4$ = 240
Require number of non-fiction books published by publisher C = 300
Hence, option B is correct.

75. Ans. C.
Publisher A:
Total number of books published by publisher A = 450
The number of non-fiction books published by publisher A = 50
The number of fiction books published by publisher A = 450 − 50 = 400

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The number of books sold by publisher A = 400 + 41 = 441
The number of books not sold by publisher A = 450 − 441 = 9
Publisher B:

Total number of books published by publisher B = $\frac{450}{5} \times 4$ = 360
The number of books not sold by publisher B = 360 × 25% = 90
The number of books sold by publisher B = 360 × 75% = 270
The number of non-fiction books published by publisher B = 50 × 120% = 60
The number of fiction books published by publisher B = 360 − 60 = 300
Publisher C:
Total number of books published by publisher C = 360 + 180 = 540
The number of books sold by publisher C = 540

The number of non-fiction books published by publisher C = $\frac{540}{9} \times 5$ = 300

The number of fiction books published by publisher C = $\frac{540}{9} \times 4$ = 240
Required ratio = 270 : 540 = 1 : 2
Hence, option C is correct.
76. Ans. A.
Publisher A:
Total number of books published by publisher A = 450
The number of non-fiction books published by publisher A = 50
The number of fiction books published by publisher A = 450 − 50 = 400
The number of books sold by publisher A = 400 + 41 = 441
The number of books not sold by publisher A = 450 − 441 = 9
Publisher B:

Total number of books published by publisher B = $\frac{450}{5} \times 4$ = 360
The number of books not sold by publisher B = 360 × 25% = 90
The number of books sold by publisher B = 360 × 75% = 270
The number of non-fiction books published by publisher B = 50 × 120% = 60
The number of fiction books published by publisher B = 360 − 60 = 300
Publisher C:
Total number of books published by publisher C = 360 + 180 = 540
The number of books sold by publisher C = 540

The number of non-fiction books published by publisher C = $\frac{540}{9} \times 5$ = 300

The number of fiction books published by publisher C = $\frac{540}{9} \times 4$ = 240

Required percentage = $\frac{9}{450} \times 100$ = 2%
Hence, option A is correct.

77. Ans. D.

Publisher A:

Total number of books published by publisher A = 450

The number of non-fiction books published by publisher A = 50

The number of fiction books published by publisher A = 450 − 50 = 400

The number of books sold by publisher A = 400 + 41 = 441

The number of books not sold by publisher A = 450 − 441 = 9

Publisher B:

Total number of books published by publisher B = $\frac{450}{5} \times 4$ = 360

The number of books not sold by publisher B = 360 × 25% = 90

The number of books sold by publisher B = 360 × 75% = 270

The number of non-fiction books published by publisher B = 50 × 120% = 60

The number of fiction books published by publisher B = 360 − 60 = 300

Publisher C:

Total number of books published by publisher C = 360 + 180 = 540

The number of books sold by publisher C = 540

The number of non-fiction books published by publisher C = $\frac{540}{9} \times 5$ = 300

The number of fiction books published by publisher C = $\frac{540}{9} \times 4$ = 240

Number of fiction books that are not sold by publisher B = 300 − 240 = 60

Number of non-fiction books that are not sold by publisher B = 60 − 30 = 30

Required difference = 60 − 30 = 30

Hence, option D is correct.

78. Ans. B.

Publisher A:

Total number of books published by publisher A = 450

The number of non-fiction books published by publisher A = 50

The number of fiction books published by publisher A = 450 − 50 = 400

The number of books sold by publisher A = 400 + 41 = 441

The number of books not sold by publisher A = 450 − 441 = 9

Publisher B:

Total number of books published by publisher B = $\frac{450}{5} \times 4$ = 360

The number of books not sold by publisher B = 360 × 25% = 90

The number of books sold by publisher B = 360 × 75% = 270

The number of non-fiction books published by publisher B = 50 × 120% = 60

The number of fiction books published by publisher B = 360 − 60 = 300

Publisher C:

Total number of books published by publisher C = 360 + 180 = 540

The number of books sold by publisher C = 540

The number of non-fiction books published by publisher C = $\frac{540}{9} \times 5$ = 300

The number of fiction books published by publisher C = $\frac{540}{9} \times 4$ = 240

Required average = $\frac{450 + 360 + 540}{3}$ = 450

Hence, option B is correct.

79. Ans. A.

Publisher A:

Total number of books published by publisher A = 450

The number of non-fiction books published by publisher A = 50

The number of fiction books published by publisher A = 450 − 50 = 400

The number of books sold by publisher A = 400 + 41 = 441

The number of books not sold by publisher A = 450 − 441 = 9

Publisher B:

Total number of books published by publisher B = $\frac{450}{5} \times 4$ = 360

The number of books not sold by publisher B = 360 × 25% = 90

The number of books sold by publisher B = 360 × 75% = 270

The number of non-fiction books published by publisher B = 50 × 120% = 60

The number of fiction books published by publisher B = 360 − 60 = 300

Publisher C:

Total number of books published by publisher C = 360 + 180 = 540

The number of books sold by publisher C = 540

The number of non-fiction books published by publisher C = $\frac{540}{9} \times 5$ = 300

The number of fiction books published by publisher C = $\frac{540}{9} \times 4$ = 240

Required number of books sold by publisher B = 270

Hence, option A is correct.

80. Ans. C.

Total cost of item B and C together manufactured by company X = 4000 + 4800 = Rs. 8800

Total cost of item B and C together manufactured by company Y = 5600 + 4400 = Rs. 10000

Required percentage = 8800/10000 * 100 = 88%

Hence, option C is correct.

81. Ans. B.

Total cost of item C, D and F manufactured by company Y = 5400 × 3 = Rs. 16200

Cost of item C, D and F manufactured by company Y = 16200 − 4400 − 6000 = Rs. 5800

Hence, option B is correct.

82. Ans. D.

Total cost of item A and B together manufactured by company X = 5400 + 4000 = Rs. 9400

Total cost of item C and E together manufactured by company Y = 4400 + 6400 = Rs. 10800
Required difference = 10800 − 9400 = Rs. 1400
Hence, option D is correct.
83. Ans. C.
Required average = $\dfrac{4000 + 5000 + 6000}{3}$ = Rs. 5000
Hence, option C is correct.
84. Ans. E.
Cost of item G manufactured by company Y = $\dfrac{4400}{11} \times 13$ = Rs. 5200
Required difference = 5200 − 4200 = Rs. 1000
Hence, option E is correct.
85. Ans. C.
Required cost price = 5400 × 45 = Rs. 243000
Hence, option C is correct.
86. Ans. B.
Marked price of the book = 320 + 80 = Rs. 400
Cost price of the book = $\dfrac{400}{160} \times 100$ = Rs. 250
Profit earned on the book = 320 − 250 = Rs. 70
Profit percentage = $\dfrac{70}{250} \times 100$ = 28%
Hence, option B is correct.
87. Ans. D.
Let the salary of A and B be Rs. 6x and Rs. 5x respectively.
According to the data provided in the question, we get
75% × (6x − 24000) = 5x − 24000)
⇒ 4.5x − 18000 = 5x − 24000
⇒ 0.5x = 6000
⇒ x = 12000
Salary of A = Rs. 72000
Hence, option D is correct.
88. Ans. C.
Let the downstream speed of the boat = 5x km/h
Upstream speed of the boat = 4x km/h
Speed of the boat in still water = $\dfrac{135}{2.5}$ = 54 km/h
According to the data provided in the question, we get
$\dfrac{5x + 4x}{2}$ = 54
⇒ 9x = 108
⇒ x = 12
So, upstream speed of the boat = 12 × 4 = 48 km/h

Required time = $\frac{180}{48}$ = 3 hours 45 minutes
Hence, option C is correct.
89. Ans. D.
Let the quantity of milk and water in the mixture be 8x and 3x litres respectively.
According to the data provided in the question, we get

$$\frac{8x - 44 \times \frac{8}{11}}{3x - 44 \times \frac{3}{11} + 18} = \frac{4}{3}$$

⇒ 3(8x − 32) = 4(3x − 12 + 18)
⇒ 24x − 96 = 12x + 24
⇒ 12x = 120
⇒ x = 10
Thus, initial quantity of milk in the mixture = 80 litres
Hence, option D is correct.
90. Ans. A.
Solve this type of question by using allegation method,

```
  45              53
     \          /
        48
     /          \
53 - 48 = 5    48 - 45 = 3
```
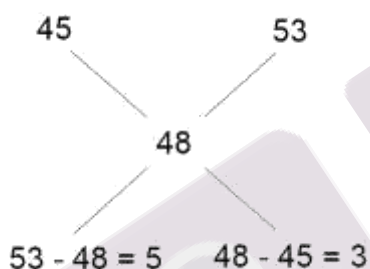
Ratio of number of boys to girls = 3 : 5

Number of boys in the class = $\frac{10}{5} \times 3$ = 6
Total number of students in the class = 10 + 6 = 16
Hence, option A is correct.
91. Ans. D.
Let the amount invested in scheme A = Rs. x
Amount invested in scheme B = Rs. 6500 − x
According to the data provided in the question, we get
x × 12% × 2 + (6500 − x) × 5% × 4 = 1460
⇒ 0.24x + 1300 − 0.20x = 1460
⇒ 0.04x = 160
⇒ x = 4000
Thus, amount invested in scheme A = Rs. 4000
Hence, option D is correct.

92. Ans. B.
Let the length of the train = x m
According to the data provided in the question, we get:

$$54 \times \frac{5}{18} = \frac{210 + x}{32}$$

⇒ 15 × 32 = 210 + x
⇒ 480 − 210 = x
⇒ x = 270
Length of the train = 270 m

Require time to cross the tree = $\frac{270}{15}$ = 18 seconds
Hence, option B is correct.

93. Ans. C.
Let the capacity of the tank = 120 litres

Amount of the tank filled by pipe A in one minute = $\frac{120}{15}$ = 8 litres

Amount of the tank filled by pipe B in one minute = $\frac{120}{20}$ = 6 litres

Amount of the tank filled by pipe C in one minute = $\frac{120}{40}$ = 3 litres
Amount of the tank filled by pipes B and C in two minutes = 2 × (6 + 3) = 18 litres
Remaining amount of the tank to be filled = 120 − 18 = 102 litres

Time taken by pipes A, B and C to fill 102 litres = $\frac{102}{8 + 6 + 3}$ = 6 minutes
Required time = 6 + 2 = 8 minutes
Hence, option C is correct.

94. Ans. C.
Let the amount invested by Nitin = Rs. x
Profit share of Nitin = 7500 − 3000 = Rs. 4500
Ratio of profit share of Manav to Nitin = 3000 : 4500 = 2 : 3
According to the data provided in the question, we get

$$\frac{12000 \times 8}{x \times 9} = \frac{2}{3}$$

⇒ 4000 × 8 = 2x
⇒ x = 16000
Thus, amount invested by Nitin = Rs. 16000
Hence, option C is correct.

95. Ans. C.
Antra's present age = 28 − 8 = 20 years
Nitesh's present age = 20 − 4 = 16 years
Satish's present age = 16 + 20 = 36 years
According to the data provided in the question, we get

74

$$\frac{16}{36} = \frac{4}{x}$$

⇒ x = 9

Hence, option C is correct.

96. Ans. A.

Quantity I:

Quantity of milk in container A = $\frac{270}{9} \times 7$ = 210 litres

Quantity of milk in container A = $\frac{x}{4} \times 3 = \frac{3x}{4}$ litres

According to the data provided in the question, we get

210 + $\frac{3x}{4}$ = 450

⇒ $\frac{3x}{4}$ = 240

⇒ x = 320

Quantity II: 350

So, Quantity I < Quantity II

Hence, option A is correct.

97. Ans. C.

Quantity I:

Let work done by Anandita and Yakshi together in 35 days = 1

Work done by Anandita and Yakshi together in 21 days = $\frac{21}{35} = \frac{3}{5}th$ of the total work

Remaining work = $1 - \frac{3}{5} = \frac{2}{5}$

Time taken by Yakshi to complete $\frac{2}{5}th$ of the work = 24 days

Time taken by Yakshi to complete the work = $\frac{24 \times 5}{2}$ = 60 days

Time taken by Anandita to complete the work = $\frac{60 \times 35}{60 - 35}$ = 84 days

Quantity II: 80 days

So, Quantity I > Quantity II

Hence, option C is correct.

98. Ans. E.

Quantity I:

Length of train M = 54 × $\frac{5}{18}$ × 16 = 240 m

Quantity II:

Let the length of train N = L m

According to the data provided in the question, we get

$63 \times \frac{5}{18} = \frac{L + 250}{28}$

⇒ L + 250 = 490
⇒ L = 240 m
So, Quantity I = Quantity II
Hence, option E is correct.
99. Ans. A.
Quantity I:
Number of females in the village = 6400 × 45% = 2880
Unmarried females in the village = 2880 × 60% = 1728
Quantity II:

$256 \times 25 \div 16 + 100 = \sqrt{?}$

$\Rightarrow 400 + 100 = \sqrt{?}$
⇒ ? = (500)$^2$
⇒ ? = 250000
So, Quantity I < Quantity II
Hence, option A is correct.
100. Ans. B.
Quantity I:
According to the data provided in the question, we get
$$\frac{x \times 140\%}{(x + 1) \times 150\%} = \frac{7}{9}$$
⇒ 6x = (x + 1) × 5
⇒ 6x − 5x = 5
⇒ x = 5
Quantity II:
Given, x$^2$ + 9 = 36
⇒ x$^2$ = 25
⇒ x = ± 5
So, Quantity I ≥ Quantity II
Hence, option B is correct.
101. Ans. E.
The figure rotates 90ºCW; the inner element rotates about the main line and turns outwards while the outer element shifts inwards,
102. Ans. B.
The figure rotates 90ºCW and the number of straight lines or arcs at the centre increases by one.
103. Ans. D.
The black leaf rotates 135°ACW and white leaf rotates 90°ACW
104. Ans. B.
The pin moves 1, 2, 3, 4, 5, ....spaces CW sequentially. The arrow moves two steps ACW each time.

105. Ans. D.
All other figures are divided into equal parts.
106. Ans. E.
In each one of the other four figures, four arcs are curved towards the left and four other acres
107. Ans. E.
The circles are converted to hexagons and semicircles are converged to half-hexagons.
108. Ans. E.
The figure rotates 90ºCW; the inner element rotates about the main line and turns outwards while the outer element shifts inwards,
109. Ans. E.
Five line segments are added in each step to complete the squares in an ACW direction.
110. Ans. D.
Only in fig. (4), both the parallel lines are bent in the same direction (i.e. towards the left).
111. Ans. A.
One, two, three, ……..ares get inverted sequentially. This inversion takes place in an ACW direction.
Direction (28-29): In each of the following questions, select a figure from amongst the four alternatives, which when placed in the blank ce of figure (X) would complete the pattern.
112. Ans. B.
The upper part of the figure gets separated along the line and is lost.
113. Ans. E.
The contents of the outer main figure rotate through 45°CW.
114. Ans. A.
Two and four "V shaped elements get inverted alternately.
115. Ans. B.
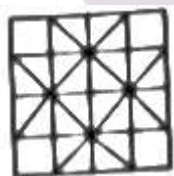


116. Ans. B.
The combination of two symbols placed at the lower-right corner, rotates 90'CW and moves right corner. Also, the combination of two symbols la the upper-left corner, moves to the lower-right corn
117. Ans. D.
In each step, the CW-end element moves to the ACW-end position.
118. Ans. E.
The figure rotates 90°CW.

119. Ans. A.

In One step, the middle element rotates through 180° and in the next step, the other two elements rotate through 180°. The two steps are repeated alternately.

120. Ans. E.

The inner element enlarges to become the outer element while the outer element reduces in size, turns black and becomes the inner element.

121. Ans. E.

The figure rotates through 90°ACW and the arrowhead shifts closer to the black circle.

122. Ans. A.

The figure gets vertically inverted.

123. Ans. B.

Each one of the upper elements is replaced by an element similar to the lower element(s) and each one of the lower elements is replaced by an element similar to the upper element(s).

124. Ans. C.

Except for the dots, the remaining part of the figure rotates through 180° and shifts to the opposite side of the square boundary.

125. Ans. A.

One circle is replaced by a new symbol in each step and this replacement takes place on either ends alternately. The complete figure rotates 45ºACW in each step.

126. Ans. D.
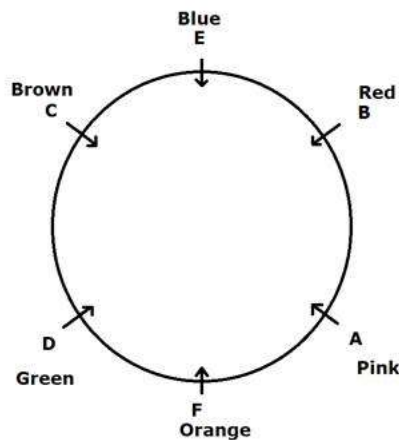


Clearly, B likes red

127. Ans. C.
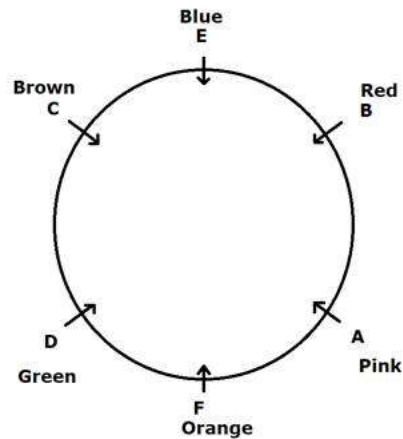


Clearly, one person sits between E and A when counted from right of A

128. Ans. B.
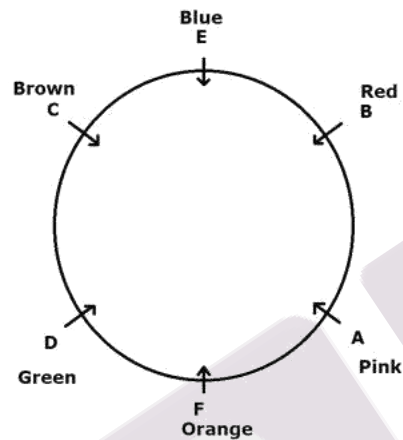


Clearly, A likes pink.

129. Ans. A.
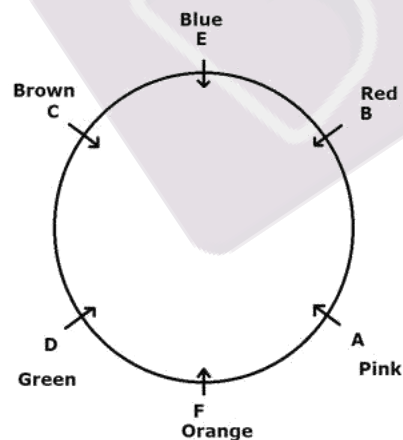


Clearly, B sits opposite to the one who likes green.

130. Ans. A.
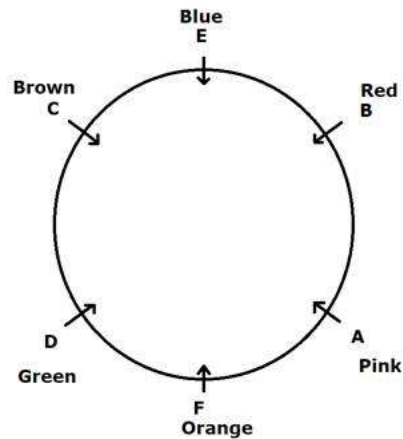


Clearly, C likes Brown colour.

131. Ans. B.
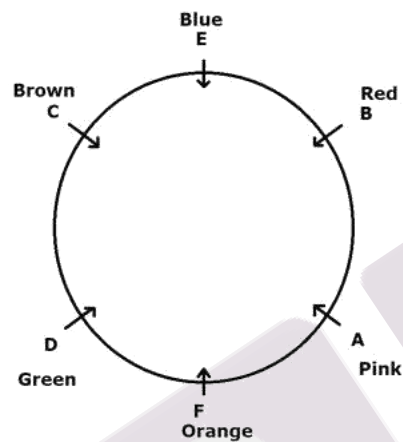


Clearly, Second to the left

132. Ans. D.
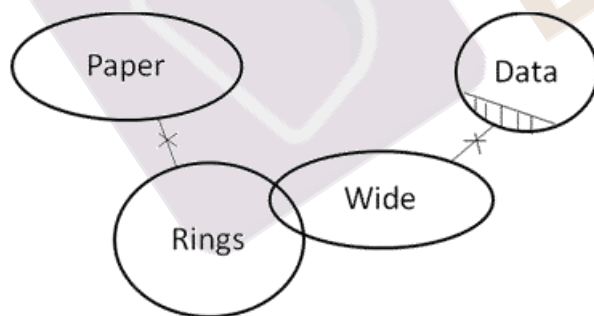


Some wide are data ====> not follows
Some rings are not data ====> not follows
Therefore, option D is the correct answer.

133. Ans. E.
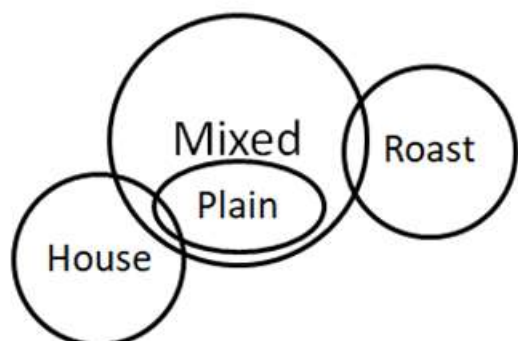


All plains are roast is a possibility. ====> follows
All roast are mixed is a possibility. ====> follows
Therefore, option E is the correct answer
134. Ans. C.
The letter are - U, I, N, S
No word if formed. So, Y is the correct answer.
135. Ans. A.

| Sl Nos. | Boxes |
|---------|-------|
| 10. | B |
| 9 | G |
| 8 | A |
| 7 | H |
| 6 | C |
| 5 | I |
| 4 | D |
| 3 | J |
| 2 | E |
| 1 | F |

136. Ans. D.

| Sl Nos. | Boxes |
|---------|-------|
| 10. | B |
| 9 | G |
| 8 | A |
| 7 | H |
| 6 | C |
| 5 | I |
| 4 | D |
| 3 | J |
| 2 | E |
| 1 | F |

137. Ans. B.

| Sl Nos. | Boxes |
|---------|-------|
| 10. | B |
| 9 | G |
| 8 | A |
| 7 | H |
| 6 | C |
| 5 | I |
| 4 | D |
| 3 | J |
| 2 | E |
| 1 | F |

138. Ans. C.

| Sl Nos. | Boxes |
|---------|-------|
| 10. | B |
| 9 | G |
| 8 | A |
| 7 | H |
| 6 | C |
| 5 | I |
| 4 | D |
| 3 | J |
| 2 | E |
| 1 | F |

139. Ans. D.

| Sl Nos. | Boxes |
|---------|-------|
| 10. | B |
| 9 | G |
| 8 | A |
| 7 | H |
| 6 | C |
| 5 | I |
| 4 | D |
| 3 | J |
| 2 | E |
| 1 | F |

140. Ans. E.

| Sl Nos. | Boxes |
|---------|-------|
| 10. | B |
| 9 | G |
| 8 | A |
| 7 | H |
| 6 | C |
| 5 | I |
| 4 | D |
| 3 | J |
| 2 | E |
| 1 | F |

141. Ans. A.
H>R>T and T=L
Hence H > L

T < R $\leq$ H > K

Hence K may or may not be greater than T

Hence conclusion 1 is correct
142. Ans. E.
From above relation : P > N > D > G
Hence G < P
Similarly G < B < J
Thus G < J
Hence both conclusion follows
143. Ans. B.
E < I > R > S
Thus E may or may not be greater than S
N = R $\geq$ S
S $\leq$ N
Hence only conclusion two follows
144. Ans. D.
S > Y > M
Thus Y cannot be less than M
S > Y > M < W < O
Thus O may or not be greater than S
Hence neither conclusion I nor II follows
145. Ans. B.
The number is 84956327.
After applying the operations, the number is 95737135.
Here, 3, 5 and 7 are repeated in the new number.

**146. Ans. C.**
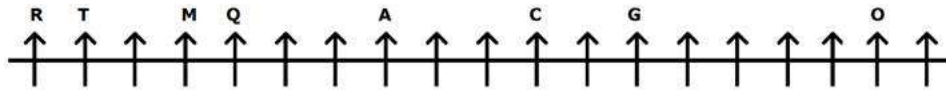


Clearly, 19 people sit in the row.

**147. Ans. B.**
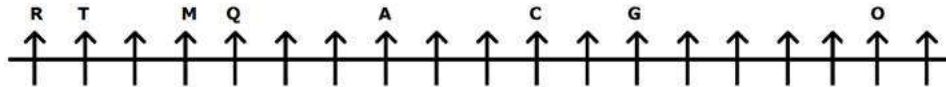


Clearly, 11 people sit to the right of A.

**148. Ans. B.**
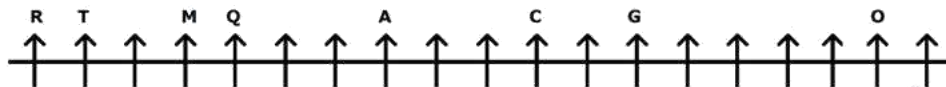


Clearly, three people sit between M and A.

**149. Ans. D.**
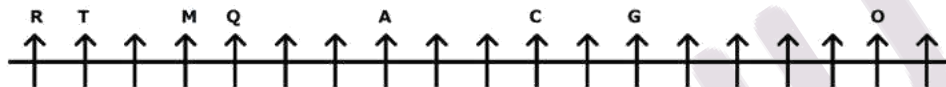


Clearly, four people sit between G and O.

**150. Ans. B.**



Clearly, G sits second to the right of C.

**151. Ans. A.**



Clearly, six people sit between A and R

**152. Ans. C.**
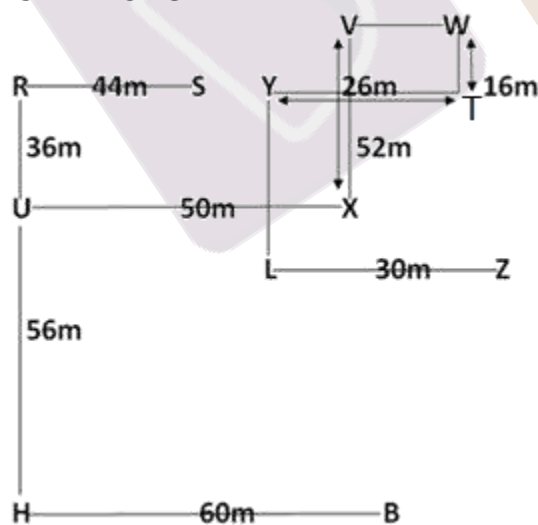


Therefore, option C is correct.

153. Ans. C.
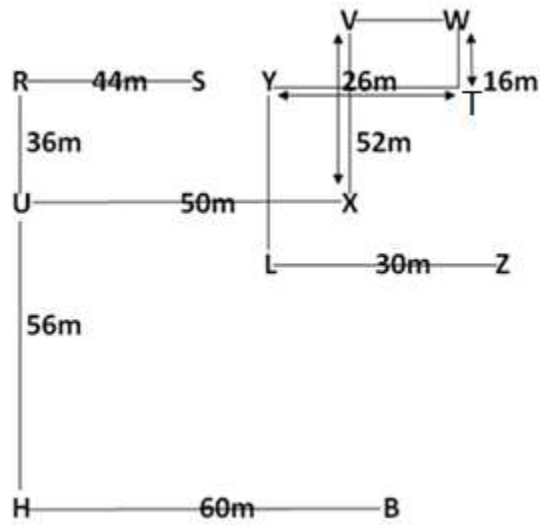


Required distance = 50 + 56 + 60 = 166m
Therefore, option C is the correct answer.

154. Ans. C.
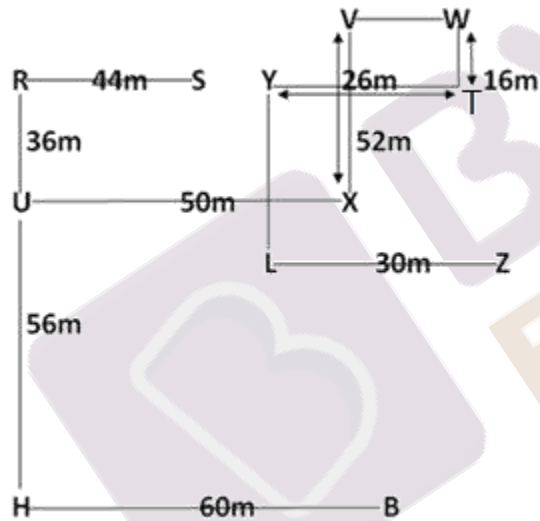


Therefore, option C is the correct answer.

155. Ans. C.
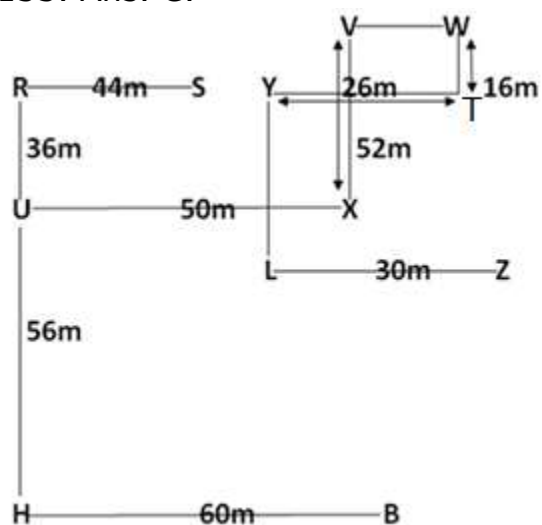


Therefore, option C is the correct answer.

156. Ans. A.

| Dates ⟶ Months ↓ | 11th | 19th |
|---|---|---|
| March | ⎮P | J |
| June | A | K |
| September | V | O |
| October | H | X |

157. Ans. C.

| Dates ⟶ Months ↓ | 11th | 19th |
|---|---|---|
| March | ⎮P | J |
| June | A | K |
| September | V | O |
| October | H | X |

158. Ans. B.

| Dates ⟶ Months ↓ | 11th | 19th |
|---|---|---|
| March | ⎮P | J |
| June | A | K |
| September | V | O |
| October | H | X |

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159. Ans. D.

| Dates ⟶ Months ↓ | 11th | 19th |
|---|---|---|
| March | ıP | J |
| June | A | K |
| September | V | .O |
| October | H | .X |

160. Ans. A.

| Dates ⟶ Months ↓ | 11th | 19th |
|---|---|---|
| March | ıP | J |
| June | A | K |
| September | V | .O |
| October | H | .X |

161. Ans. E.

| Dates ⟶ Months ↓ | 11th | 19th |
|---|---|---|
| March | ıP | J |
| June | A | K |
| September | V | .O |
| October | H | .X |

162. Ans. E.
'together we have leave' is written as 'gi xi vi zi'.
'books are external together' is written as 'zi li ki ti',
'knowledge moved through books' is written as 'di ki si fi',
'external knowledge easy together' is written as 'si zi ti bi'.
books = ki
knowledge = si
together = zi
external = ti
easy = bi
are = li
moved/through = di/fi
we/have/leave = xi/vi/gi
Therefore, option E is the answer.
163. Ans. D.
'together we have leave' is written as 'gi xi vi zi'.
'books are external together' is written as 'zi li ki ti',
'knowledge moved through books' is written as 'di ki si fi',

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'external knowledge easy together' is written as 'si zi ti bi'.
books = ki
knowledge = si
together = zi
external = ti
easy = bi
are = li
moved/through = di/fi
we/have/leave = xi/vi/gi
Therefore, option D is the correct answer.
164. Ans. C.
'together we have leave' is written as 'gi xi vi zi'.
'books are external together' is written as 'zi li ki ti',
'knowledge moved through books' is written as 'di ki si fi',
'external knowledge easy together' is written as 'si zi ti bi'.
books = ki
knowledge = si
together = zi
external = ti
easy = bi
are = li
moved/through = di/fi
we/have/leave = xi/vi/gi
Therefore, option C is the correct answer.
165. Ans. D.
'together we have leave' is written as 'gi xi vi zi'.
'books are external together' is written as 'zi li ki ti',
'knowledge moved through books' is written as 'di ki si fi',
'external knowledge easy together' is written as 'si zi ti bi'.
books = ki
knowledge = si
together = zi
external = ti
easy = bi
are = li
moved/through = di/fi
we/have/leave = xi/vi/gi
Therefore, option D is the answer.
166. Ans. C.
'together we have leave' is written as 'gi xi vi zi'.
'books are external together' is written as 'zi li ki ti',
'knowledge moved through books' is written as 'di ki si fi',
'external knowledge easy together' is written as 'si zi ti bi'.
'you have to leave' is written as 'ai xi vi ci'

books = ki
knowledge = si
together = zi
external = ti
easy = bi
are = li
moved/through = di/fi
we/have/leave = xi/vi/gi
Therefore, option C is the correct answer.
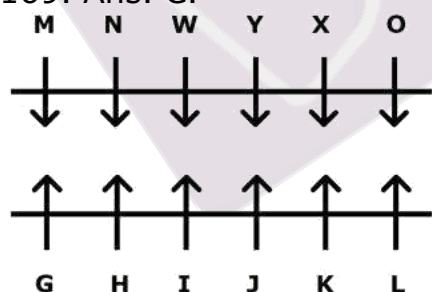167. Ans. B.
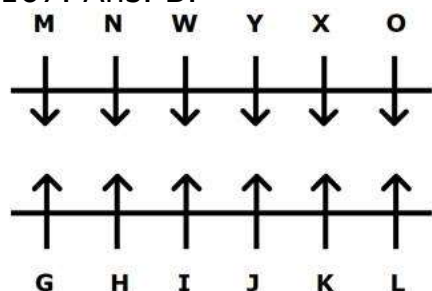


Clearly, four people sit to the right of the one who faces N.
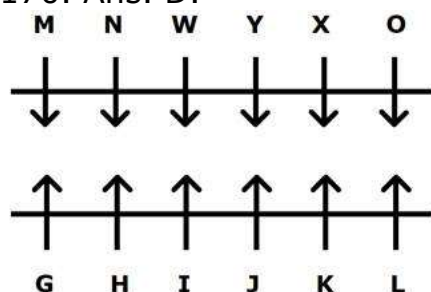168. Ans. A.
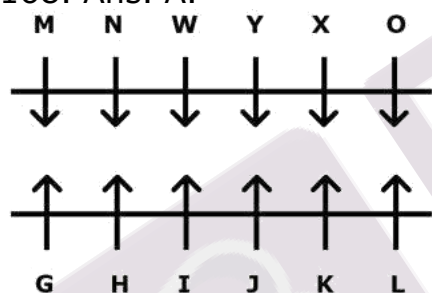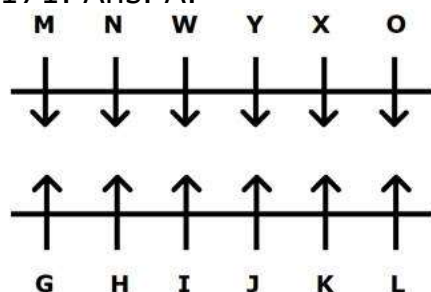


Clearly, K sits opposite to X.
169. Ans. C.



Clearly, no one sits between L and K.

170. Ans. D.



Clearly, X does not sit at the end.

171. Ans. A.



Clearly, two people sit to the left of Y.

172. Ans. E.

| | Letters in the word | Letters in the alphabet |
|---|---|---|
| Forward | T H E R M **O** P I L E | **O P** Q |
| Backward | T H E R M **O** P I L E | **O** N M **L** |
| | **I** H E R M O P I L E | **I** S R Q P O N M **L** |
| | **I** H E R M **O** P I L E | **I** S R Q P **O** |

So, there are 4 pairs.

173. Ans. A.

| Years | Age | People |
|---|---|---|
| 1981 | 39 | M |
| 1982 | 38 | P |
| 1983 | 37 | R |
| 1984 | 36 | N |
| 1985 | 35 | Q |
| 1986 | 34 | S |
| 1987 | 33 | O |
| 1988 | 32 | T |

174. Ans. B.

Assumption I is implicit as the performance of the person cannot be measured before he starts working in the office.

Assumption II is not implicit as nothing as such is mentioned in the passage.

Assumption III is implicit as demotion at work comes with embarrassment and humiliation.

Therefore, assumptions I and III are implicit.

175. Ans. A.

A very large number of devotees may assemble in the city during the festival days.

176. Ans. B.

The exposed articles by the publications must be verified.

177. Ans. B.

Assumption I is all about the general expectation and requirement that the researchers have from the people who participate in such a questionnaire. So, the assumption I is implicit.

Assumption II is about the lifestyle of people which is not related to the height of the people. The statement is not implicit.

Assumption III states the mental health of the shorter and taller people which may be a valid reason behind the unhappiness of shorter people. Hence, this is implicit.

Assumption IV states a mindset of taller people which is connected to the given statement. Hence, implicit.

Therefore, option B is correct.

178. Ans. A.

If the government has decided to construct super highway, it implies that the government has adequate resources to construct it.

Hence, option A is correct.

179. Ans. E.

Buying in wholesale and bulk depends upon the choice of the customer's choice and may cause of financial saving.

180. Ans. D.

When somebody flies at such a height A and B naturally follows. Since it is the first time, he would be excited. C also follows. Since he is excited, he won't think about depressing things. Option D is ruled out.

181. Ans. D.

The author thought there was only one way of selling which was his way. Now he realized there could be one more way – which was just opposite to his way of doing things. Hence D is the answer. Option A talks about a problem – of selling a ride. But it is not a problem. Both were selling it beautifully. Only the mode was different. The other two options, B and C have no relevance to the passage.
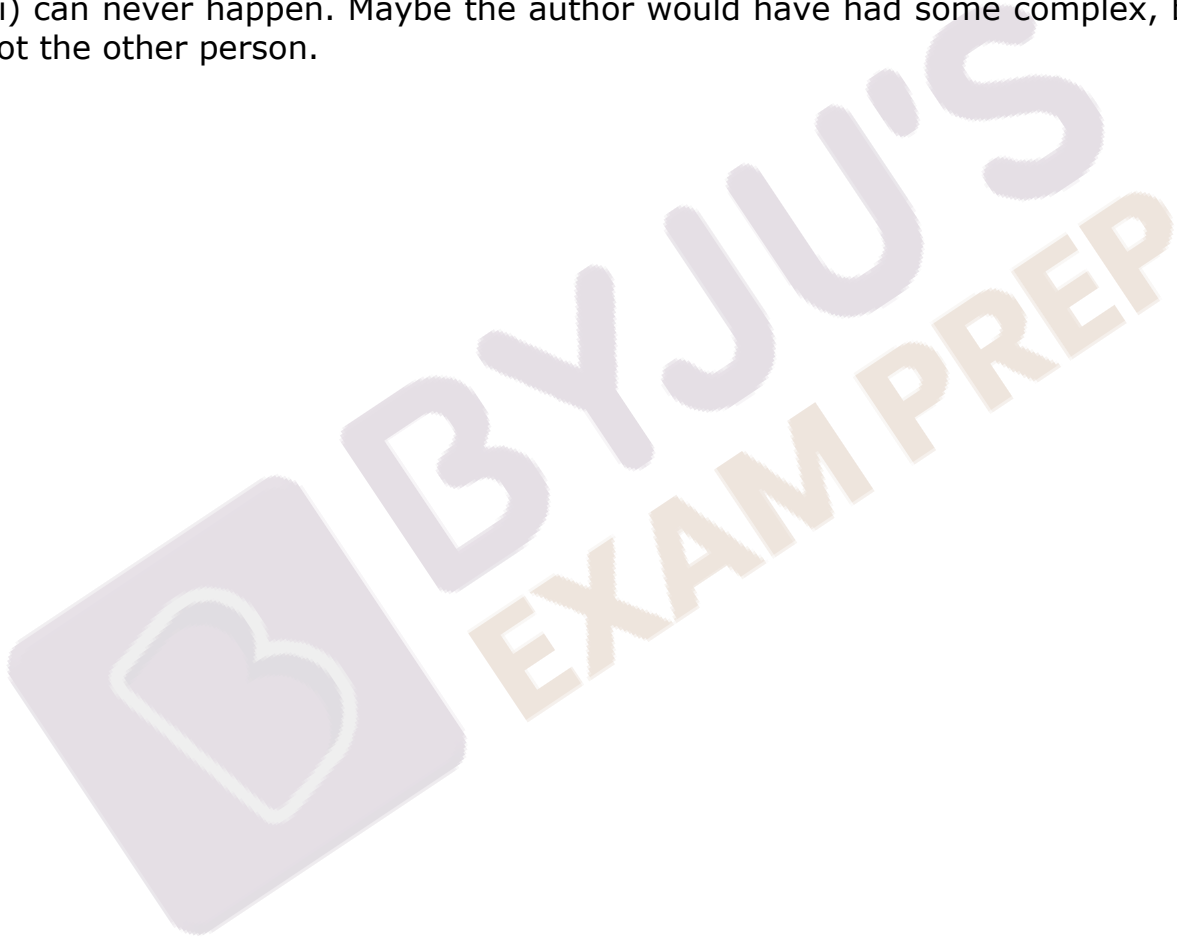
182. Ans. A.

If many people turn up for the author and only a few for him, then the author would feel that his way is the only way and the right way. Option A is the answer. In option B and C, it would make the author depressed and would make him feel that his way is the wrong way. In sentence D the author would feel there are two ways of doing things.

183. Ans. B.

The last sentence says, I had forgotten that there might be another. So it is implied that the author had become wiser. The text does not say anything about being jealous or being indifferent. Option D also did not happen. Since he was watching as a bystander, naturally wisdom dawns on the author.

184. Ans. C.

The author must have been amused seeing the way the other person sold his rides. He also realizes that there is another way of selling existing which he did not know. Because of this, the author would have thought that he was a special person or that his selling was unique and was from a different school. Iii) can never happen. Maybe the author would have had some complex, but not the other person.