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Department of Management Studies (DoMS)

NMET 2024 Question Paper

<u>SECTION I</u>: This section contains 25 questions:

Questions 1-3 are based on the below information.

Study the following pie chart carefully and answer the questions given below. The pie chart given below shows the percentage distribution of the number of young employees in a company in five different departments.







- 1. What is the ratio of the number of young employees in department A and B together to that in department C and E together?
 - a. 7:5
 - b. 5:4
 - c. 3:2
 - d. 6:5
- 2. If the total number of employees in department D is 1200, find the number of old employees in department D.
 - a. 606
 - b. 624
 - c. 612
 - d. 632

- 3. If 40% of the young employees in department C in the company are married, find the number of young employees in department C who are not married.
 - a. 210
 - b. 264
 - c. 236
 - d. 252

Questions 4-8 are based on the below information:

Study the following bar chart carefully and answer the questions given beside. The bar graph given below shows the number of mobile manufactured and sold by Sony in five different years.



- 4. What is the average of the number of mobiles that are not sold in 2016, 2017 and 2018 together?
 - a. 450
 - b. 300
 - c. 250
 - d. 350
- 5. The number of mobiles that are sold by Sony in 2020 is what percent of the number of mobiles manufactured by Sony in 2017?
 - a. 90%
 - b. 75%
 - c. 85%
 - d. 95%
- 6. What is the ratio of the number of mobiles manufactured by Sony in 2020 to the sum of the number of mobiles sold by Sony in 2017 and 2019 together?
 - a. 1:2
 - b. 2:3
 - c. 4:5
 - d. 5:6

- 7. What is the difference between the number of mobiles manufactured by Sony in 2018 and 2019 together and the number of mobiles manufactured by Sony in 2016 and 2017 together?
 - a. 250
 - b. 300
 - c. 150
 - d. 200
- 8. If the number of mobiles manufactured by Sony in 2021 is 20% more than the number of mobiles manufactured by Sony in 2020 and the number of mobiles sold by Sony in 2021 is 75%, then what is the number of mobiles sold by Sony in 2021?
 - a. 1320
 - b. 1440
 - c. 1580
 - d. 1250

Questions 9-13 are based on the below information:

In a college, 200 students are randomly selected. 140 like pizza, 120 like burger and 80 like both pizza and burger.

- 9. How many students like only pizza?
 - a. 30
 - b. 40
 - c. 50
 - d. 60
- 10. How many students like only burger?
 - a. 30
 - b. 40
 - c. 50
 - d. 60

11. How many students like neither pizza nor burger?

- a. 5
- b. 10
- c. 15
- d. 20
- 12. How many students like only one of pizza or burger?
 - a. 100
 - b. 110
 - c. 120
 - d. 130
- 13. How many students like at least one of the items?
 - a. 150
 - b. 170
 - c. 180
 - d. 200

Questions 14-16 are based on the below information:

There are seven professors A, B, C, D, E, F and G teaching seven subjects History, Geography, Physics, Chemistry, Maths, Biology and English from Monday to Friday at Gaya College. Each professor teaches a different subject and not more than two subjects are taught on any one of the days.

- (i) Chemistry is taught by professor B on Tuesday.
- (ii) Professor D teaches on Friday, but neither Geography nor Physics.
- (iii) Professor F teaches History but neither on Thursday nor on Friday.
- (iv) Professor A teaches English on the day on which History is taught.
- (v) Professor C teaches Maths on Monday.
- (vi) Geography and Chemistry are taught on the same day.
- (vii) Professor G teaches on Thursday.

14. On which of the following days is Geography taught?

- a. Monday
- b. Tuesday
- c. Wednesday
- d. Thursday
- 15. Which of the following subjects is taught by professor G?
 - a. Biology
 - b. Geography
 - c. Physics
 - d. Chemistry
- 16. Which subject is taught on Friday?
 - a. Physics
 - b. History
 - c. Geography
 - d. Biology
- 17. In a row of 40 persons. Q is 23rd from the right corner. What is the position of Q from the left corner?
 - a. 30
 - b. 28
 - c. 18
 - d. 22
- 18. In a class, total 31 students are there. The rank of Bitu and Kikku is 7 and 11 respectively from the top. Calculate their rank from the bottom side.
 - a. 25th and 21st
 - b. 21st and 25th
 - c. 24th and 22nd
 - d. 22nd and 24th
- 19. Rank of Sujay is 17th from the bottom in a group of 25 students. Find his rank from below if 3 new students will be added to the bottom of the list. Options:
 - a. 14
 - b. 20
 - c. 12
 - d. 13
- 20. In a shop, there were 4 dolls of different heights M, N,O and P.'P' is neither as tall as 'M' nor as short as 'O'. 'N' is shorter than 'P' but taller than 'O'. If Anvi wants to purchase the tallest doll, which one should she purchase?
 - a. Either M or P

- b. Either P or N
- c. Only P
- d. Only M
- 21. The day before yesterday was Saturday. What day will it be the day after tomorrow?
 - a. Tuesday
 - b. Wednesday
 - c. Thursday
 - d. Friday
- 22. The police rounded up Ramesh, Suresh and Ganesh last week because one of them was suspected of stealing the local bank. The three suspects were interrogated and their statements are recorded:
 - (i) Ramesh: I'm innocent.
 - (ii) Suresh: I'm innocent.
 - (iii) Ganesh: Suresh is the guilty one.

Who robbed the bank among the three persons, if only one of the statements will be true?

- a. Suresh
- b. Ramesh
- c. Ganesh
- d. None of these
- 23. There are two students A and B. A lies on Monday, Tuesday and Wednesday. B lies on Thursday, Friday and Saturday. Other days they will say the truth. The teacher forgot and asked them what day it is. Both of them said, yesterday I was lying and then teacher got the day. What day it is?
 - a. Tuesday
 - b. Thursday
 - c. Friday
 - d. Cannot be determined
- 24. Three persons X, Y and Z gave these concerned statements before press:
 - (i) X said, either Left wing Party or Right wing Party won the elections.
 - (ii) Y said, Left wing Party won.
 - (iii) Z said, neither Left wing Party nor Right wing Party won the elections.
 - Of these persons, only one person is wrong. Who won the elections?
 - a. Data Inadequate
 - b. Left wing Party
 - c. Right wing Party
 - d. None of these
- 25. Below are three statements by Carrom players. At least one of the statements is false and at least one is true:
 - (i) Rohit: Virat did not hit the black.
 - (ii) Sourav: I did not hit the black.
 - (iii) Shubham: I hit the black.
 - If only one of them hit the carom board coins, who hit the black?
 - a. Rohit
 - b. Virat
 - c. Shubham
 - d. Both Rohit and Virat

SECTION II: This section contains 25 questions:

26. From the given options, choose the one that completes the paragraph in the most appropriate way.

The middle months of 2020 showed us remarkable images from around the world. In the United States, people from all walks of life – every age, color, orientation, gender, socio-economic status, and ability – filled the streets on a scale not seen since the 1960s to protest racial injustice and demand change after the murder of George Floyd. Likewise, diverse groups of people took to the streets in many cities across the globe to highlight that police brutality and racist policies are not just American problems.

- a. Hence, it has begun to recognize and come to terms with how inequity is entrenched within organizational systems such as recruitment and selection, pay and promotion, and so forth.
- b. Where is the starting point on the road toward a mindset that embraces equity and fosters inclusion?
- c. Quite surprisingly, systemic racism can be defined as institutional structures and systems that have processes, policies, or laws in place that disadvantage people of color.
- d. As a result, much has been written in academic outlets and the popular press about how systemic racism, embedded in many of our institutions, facilitates disparate outcomes in areas such as, education, the economy, the C-suite, housing, health care and maternal mortality rates, and criminal justice.
- 27. From the given options, choose the one that completes the paragraph in the most appropriate way.

Cine politics in South India has always had a surplus visibility. In this part of the world, popular cinema is doomed to being a political spring board manipulated by parties and movements to function as ideological and symbolical propaganda. Film stars are simply voted to power by a credulous spectator cadre, we were told. From 1990s, in the wake of post-colonial theory and cultural studies, however, new ground-breaking work has started disputing these assumptions. The book in our hands, Megastar: Chiranjeevi and Telugu Cinema after N.T Rama Rao, compellingly demonstrates that the cinema-politics nexus is far from being uncomplicated as previously purported.

- a. Drawing upon extensive field work and an array of contemporary political and film theories, S.V. Srinivas has come up with a fascinating study about stars, fans and other trappings of the moving image.
- b. That the author should strive to unlearn some of his earlier arguments regarding Chiranjeevi's fans and films to move out of the limited framework of the manipulation/resistance paradigm makes this endeavor even more commendable.
- c. Reading and reviewing a book while its locale is burning—quite literally, over the issue of statehood for Telengana—is surely disconcerting, especially considering that the subject matter, cinema, has been a key element in the way things have unravelled.
- d. Examining the various extant theses on cine-politics, Srinivas categorically states that fan activity is not conventional politics through other means.
- $28. \ {\rm From \ the \ given \ options, \ choose \ the \ one \ that \ completes \ the \ paragraph \ in \ the \ most \ appropriate \ way.}$

Toni Morrison's Song of Solomon is one of my favorite books in the world, a novel I teach with as much regularity as enthusiasm. You can imagine my feeling, then, when a brilliant young student recently told me what she thought of it: "Morrison is pretty good," she said, "but she could have gotten to the point a bit quicker." Before you rush to condemn my student, let me say right away that it is not her fault; she is in the top 5 percent of the top 30 percent of the young people in the country, she is bright and keen and dedicated, and she likes Toni Morrison, which is greatly to her credit. But it is surely not Toni Morrison's fault either.

a. We did not always tell our consumers of fictions that the aim of the exercise is to receive instruction, let alone instruction in the form of propositional content.

- b. Stories like these, whether told to disciples (Mark's Jesus), circulated on scrolls (Plato), recited aloud to a group of listeners (Chaucer), read in private (Beckett), or performed on stages and screens, have been around for a considerably long time.
- c. The way forward, as I see it, is to reinvigorate the pragmatic outlook in its broadly ethical, rather than narrowly moral, dimension.
- d. Morrison has repeatedly said that her novels are not recipes, that they do not have messages, and that they do not aim to give her readers something to swallow.
- 29. From the given options, choose the one that completes the paragraph in the most appropriate way.

When we talk to the people closest to us, we want to understand what they are truly trying to say. If they are discussing a difficult situation, we do not want to miss an important detail that hasn't been explicitly stated. If we are in a serious discussion with our spouse, we do not want to miss a cue that could mean they are upset with the way we are speaking. If you are talking with a child about how great they did on their sports team that day, we want to make sure that all of our excitement strikes a chord with them.

- a. Unfortunately, we cannot notice or portray all of these details with words alone.
- b. Our bodies will help us to discuss and share our emotions whether we want them to or not.
- c. You see, comfortable and relaxed people speak with their hands and move in a natural, free flowing manner.
- d. These are all important details to notice in conversations.
- 30. From the given options, choose the one that completes the paragraph in the most appropriate way

In the last few decades, India has experienced a strong wave of Dalit assertion. As the product of an upsurge from below, it manifests itself in the socio-economic, cultural, and political realm and has taken many different forms: movements against caste domination, political parties, protest literature, a variety of grassroot assertions, and more recently—middle class activism. Dalit assertion has increased political consciousness, enabled greater political participation of this disadvantaged section, and helped shape the nature and direction of democracy in this country.

- a. Such movements have often led to social conflict and violent 'caste atrocities' against Dalits in many parts of the country.
- b. While our concern here is with Dalit assertion in the post-Independence period, the process of awakening and increasing political consciousness, undoubtedly began in the colonial period.
- c. The central argument here is that Dalit assertion witnessed over the past few decades is the result of the long-term process of democratization in post-Independent India.
- d. Hence, an attempt has been made to illustrate that Dalit assertion over the last few decades has been both the cause and the consequence of the larger process of democratization in India.
- 31. In each question, there are five sentences. The sentence labelled A is in its correct place. The four that follow are labelled B, C, D and E, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.
 - A. The other day, I watched a video of schoolchildren in Japan doing role plays of bus travel.
 - B. They would give up their seat or help the passenger into a seat.

C. Why don't we have such training in our schools?

D. The children were being taught how to care for the elderly, pregnant women, women with babies, little children and the disabled.

E. I believe that such early training is why during the recent incident of fire in a Japanese aircraft, the travellers followed instructions calmly and evacuated in an orderly manner.

a. DBEC

- b. DBCE
- c. BDEC
- d. BEDC
- 32. In each question, there are five sentences. The sentence labelled P is in its correct place. The four that follow are labelled Q, R, S and T, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.

P. Fast food intake for more than three times a week is associated with greater odds of atopic disorders such as asthma, eczema or rhinitis. Thus, it should be definitely and strictly controlled in children as it does no good.

Q. Regular junk food intake can lead to physical and psychological issues among children. R. Lack of Vitamins such as A and C, and minerals such as magnesium and calcium, encourage the development of deficiency diseases and osteoporosis, as well as dental caries due to higher intake.

S. Junk food, which are rich in energy with lots of fat and sugar, are relatively low in other important nutrients such as protein, fiber, vitamins and minerals.

T. Emotional and self-esteem problems, along with chronic illnesses in later life due to obesity, are the issues associated with the junk food.

Which of the following combinations is the MOST logically ordered?

- a. QSRTP
- b. QRSPT
- c. TQSRP
- d. TSQRP
- 33. In each question, there are five sentences. The sentence labelled A is in its correct place. The four that follow are labelled B, C, D and E, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.

A. One of the earliest attempts of mapping the human brain was phrenology, pioneered by the Austrian physician and anatomist Franz Joseph Gall.

B. Gall and his assistant Johann Spurzheim suggested that the brain was organised along 35 psychological functions, each linked to a different underlying region.

C. According to Gall and Spurzheim, some of these functions (including memory, love of offspring and the instinct to kill) were shared with animals, whereas others (such as wit, poetic ability and morality) were uniquely human.

D. While this long-discredited science may now be best known for the decorative busts sold in flea markets, it was all the rage by the early 19th century.

E. Just as you might start lifting dumbbells if you want larger biceps, phrenology argued that the more you use a particular psychological function, the more the brain region underlying it should grow – leading to a corresponding lump in your skull.

- a. CDEB
- b. CDBE
- c. DBEC
- d. DEBC
- 34. In each question, there are five sentences. The sentence labelled A is in its correct place. The four that follow are labelled B, C, D and E, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.
 - A. Many of India's 1,700-odd law schools principally focus on teaching, with scant attention to research.

- B. Hence, the Parliamentary Standing Committee on Personnel, Public Grievances, Law, and Justice emphasises the need to prioritise and promote research in legal education, which, in turn, will lead to better teaching outcomes and help students develop a critical perspective.
- C. C. Consequently, India is chiefly the consumer of legal knowledge generated in the West, not its producer.
- D. This shows the abysmally poor level of research in India's law schools.
- E. An important data point that reveals this is that out of more than 800 law journals globally indexed in Scopus (an internationally recognised database that lists leading journals in all fields) barely a handful are Indian law journals.
 - a. CEDB
 - b. CDEB
 - c. EDCB
 - d. ECDB
- 35. In each question, there are five sentences. The sentence labelled A is in its correct place. The four that follow are labelled B, C, D and E, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.

A. The QWERTY design (patented by Christopher Sholes in 1868 and sold to Remington in 1873) aimed to solve a mechanical problem of early typewriters.

B. To avoid this, the QWERTY layout put the keys most likely to be hit in rapid succession on opposite sides. This made the keyboard slow, the story goes, but that was the idea.

C. A different layout, which had been patented by August Dvorak in 1936, was shown to be much faster.

D. Yet the Dvorak layout has never been widely adopted, even though (with electric typewriters and then PCs) the anti-jamming rational for QWERTY has been defunct for years.

E. When certain combinations of keys were struck quickly, the type bars often jammed.

- a. ECBD
- b. EBCD
- c. BDEC
- d. CEBD
- 36. In each question, there are five sentences. The sentence labelled A is in its correct place. The four that follow are labelled B, C, D and E, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.
 - **A.** This is a sense in which biology or genetics does determine what we find beautiful.
 - **B.** For example, we view facial symmetry as more attractive.
 - **C.** But one need not posit an evopsych rationale to see that there are certain physical factors are that are judged more attractive than others.
 - **D.** To put it in the evopsych terms that are popular these days, youth indicates fertility, so we are drawn to that in order to achieve reproductive success.
 - E. This would account for why we find younger faces more attractive than older ones.
 - a. BEDC
 - b. BDEC
 - c. ECDB
 - d. EDCB
- 37. In each question, there are five sentences. The sentence labelled A is in its correct place. The four that follow are labelled B, C, D and E, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.
 - A. The future of humanity is becoming ever less human.
 - B. The astounding capabilities of ChatGPT and other forms of artificial intelligence have triggered fears about the coming age of machines leaving little place for human creativity or employment.
 - C. Even the architects of this brave new world are sounding the alarm.

- D. While history is littered with apocalyptic predictions, the new alarms are different because they are taking place amid broad cultural forces that suggest human beings have lost faith in themselves and connections with humanity in general.
- E. Sam Altman, chairman and CEO of OpenAI, which developed ChatGPT, recently warned that artificial intelligence poses an "existential risk" to humanity and warned Congress that artificial intelligence "can go quite wrong."
 - a. BECD
 - b. BCED
 - c. CEDB
 - d. CDEB
- 38. In each question, there are five sentences. The sentence labelled A is in its correct place. The four that follow are labelled B, C, D and E, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.
 - A. Remember the young people who supposedly loved cities and rejected the suburbs?
 - **B.** The notion that families with children prefer suburbs to inner cities will be a surprise only to urban planners who insisted that the suburbs are passé and that no one wanted to live in them anymore.
 - **C.** It turns out they are the ones who have been fleeing the cities since the beginning of the pandemic.
 - **D.** Yet this narrative had become an established part of media reports about census data for the past couple of decades.
 - **E.** According to a recent analysis of census data, while the number of people in large cities declined by 0.9 percent since the pandemic began, the number of children under 5 an indicator of young families fell by more than 6 percent.
 - a. CEBD
 - b. DCEB
 - c. CDBE
 - d. DECB
- 39. In each question, there are five sentences. The sentence labelled A is in its correct place. The four that follow are labelled B, C, D and E, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.
 - **A.** In his bestselling book AI Superpowers, Kai Fu Lee, a former Google and Microsoft boss who now runs one of the world's most prolific AI venture funds, proposed a two-dimensional view of the future of work.
 - **B.** And this is where the nuance is often lost.
 - **C.** So, while the CEO of an insurance company might be safe from being displaced by AI, one of his analysts is not.
 - **D.** His key thesis: that the social nature of a job and the discretionary nature of a job will be the key factors underlying Al's impact.
 - **E.** If, for instance, a job is highly formulaic and has few discretionary decisions, and people perform their tasks with little social interaction, AI is likely to displace it.
 - a. DBCE
 - b. DECB
 - c. DCEB
 - d. ECDB
- 40. In each question, there are five sentences. The sentence labelled A is in its correct place. The four that follow are labelled B, C, D and E, and need to be arranged in the logical order to form a coherent paragraph/passage. From the given options, choose the most appropriate option.
 - **A.** When Mand I get together at cafes or in the parks, we sometimes face suspicious gazes from Korean people.

- **B.** We are friends, although we might not seem like friends to people who regard friends on the foundation of sharing the same habitus and fraction of class, our friendship moved beyond these borders.
- **C.** In Korean society, a young Korean woman being with a Southeast Asian man, who is assumed as a migrant worker from Koreans' eyes, can look very odd to them.
- **D.** One day when we sat on the bench in the park, a Korean man came to us and asked if I needed any help from him.
- E. I told the man "We are friends."
 - a. DCEB
 - b. CDEB
 - c. DEBC
 - d. CEBD
- 41. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.
 - a. Feminist theorists acknowledged the overwhelming significance of the interlocking systems of race, gender, and class long before men decided to talk more about these issues together.
 - b. Yet mainstream culture, particularly mass media, was not willing to tune into a radical political discourse that was not privileging one issue over the other.
 - c. Class is still often kept separate from race.
 - d. And while race is often linked with gender, we still lack an ongoing collective public discourse that puts the three together in ways that illuminate for everyone how our nation is organized and what our class politics really are.
 - e. This is the passive way our country confronts the poor and indigent, leaving them to die from street warfare, sugar, alcohol, and drug addiction, AIDS, and/or starvation.
- 42. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.
 - a. Michael Phillips' book The Seven Laws of Money was particularly helpful.
 - b. This censoring of public discussions of money was not simply a matter of polite social decorum, it deflected attention from underlying competition about money.
 - c. Written from a quirky perspective, his was one of the rare books about making money that emphasized the importance of doing work that one cares deeply about.
 - d. It did not negate the notion that one could be a writer, an artist, and be economically self-sufficient.
 - e. That was important to me since the ultimate goal of my working life was to reach a point where I would not need to teach to make a living but could concentrate on writing
- 43. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.
 - a. Academics, researchers and voracious readers can replace printed books with digital versions.
 - b. Encourage students and youngsters to write using a fountain pen or a ballpoint pen that can be refilled and used for many years instead of use-and-throw type inexpensive pen.
 - c. Apart from saving space, it obviates the need for occasional disposal of yellowish, motheaten and dust-covered old books and periodicals.
 - d. This also reduces the pressures on forest wealth with decreased use of papers.
 - e. Try to purchase products which are durable, reusable and have a prolonged life
- 44. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.
 - a. In recent years, minimalism has become a new mantra, which has been often quoted in and out of place.

- b. Minimalism is a concept which is gaining much currency in developed nations as a way of life which would unburden the practitioner from unnecessary baggage in life and eventually lead to a more peaceful and contented life.
- c. Before buying anything we should ask ourselves whether the particular item is absolutely necessary and if the answer is 'yes', we can go ahead with the particular purchase.
- d. It's all about making intelligent choices about what is to be kept and what is to be eliminated.
- e. Decluttering is the cornerstone of minimalism and it involves getting rid of unwanted things.
- 45. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.
 - a. Micro-credentials are short-duration learning activities with proof of specific learning outcomes that are validated through a standard and reliable assessment process.
 - b. As this makes micro-credential credits consistent with those in conventional higher education, they can be universally validated and recognised.
 - c. They are offered in online, physical, or hybrid modes at various levels, such as beginning, intermediate, or advanced.
 - d. In contrast to micro-credentials, students must study for several years to obtain macrocredentials such as undergraduate degrees.
 - e. In addition, micro-credentials can also be designed for life-long learners, i.e., working professionals who may not be able to attend a formal degree programme in a university.
- 46. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.
 - a. Decisions about waging war are wrenching because, invariably, innocent civilians suffer.
 - b. But the great Elie Wiesel described indifference as "the most insidious danger of all" and observed, "Human suffering anywhere concerns men and women everywhere."
 - c. This requires a calculus of strategic gain versus human cost.
 - d. People will weigh the trade-offs differently, but let's resist the tendency to otherize those of different races, faiths and ethnicities.
 - e. When we are caught in a conflict, we tend to dehumanize the other side; we can fight that impulse by asserting our shared humanity and recognizing that all lives have equal value.
- 47. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.
 - a. Many have admitted to hearing rumors, many others heard first-hand accounts from women colleagues, friends, even partners, but no one came forward or took tangible steps to hold him accountable for such behavior, such as refusing to work with him or his company.
 - b. One of the most illuminating and frustrating aspects of the Harvey Weinstein case is the number of men, some of them very powerful, who knew about his actions and did not challenge them.
 - c. This level of silent complicity is, perhaps, one of the most insidious ways that toxic masculinity operates, escaping censure and even garnering rewards for men who embrace it.
 - d. We are left to wonder what would have happened if even one man had been willing to use his power to challenge such behavior.
 - e. Preparing students, particularly boys, to challenge sexist behaviors and to accept responsibility for doing so, is perhaps one of the most important ways to teach against gender discrimination and violence and to provide young men with the means to become part of the solution.
- 48. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.

- a. A liberal arts education seeks to enable students and future leaders to understand contemporary social problems in context.
- b. This is to suggest that to understand and respond to any situation, we must engage with the historical, sociological, economic, and psychological contexts.
- c. Such an approach would necessitate openness, require an ability to comprehend a problem from multiple perspectives, and recognise the complexity of the issue at hand.
- d. No quick answers or solutions would be possible.
- e. This is why a historian may have a stronger and clearer opinion about present crises than someone in a non-liberal arts field.
- 49. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.
 - a. 'Social movements' are not the concern of political science only.
 - b. In fact, for a variety of reasons, political science has by and large ignored this subject.
 - c. A majority of political scientists are liberal in their ideology and for nearly two decades of independent India, considered the constitution sacrosanct.
 - d. One who is interested in understanding the nature of the state, political power, and conflict in society cannot but help studying social structure, social processes, culture, economic structure, and the inter relationships between them all.
 - e. Some of the social movements in post-independence India have their antecedents in the colonial period, and they cannot be delinked from movements that took place in the last century or early in the twentieth century.
- 50. Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.
 - a. In recent years a new breed of organizing has ignited campaigns for peace and justice.
 - b. Many of these campaigns utilize innovative approaches to organizing diverse communities against a broad range of local and transnational targets, including global corporations and organizations such as the World Trade Organization (WTO) and the International Monetary Fund (IMF).
 - c. According to the Institute for Policy Alternatives, the Global Justice Movement has had its greatest policy successes when matching the burlesque of protest with practical policy goals.
 - d. At its core, this expression aims at creating a new relationship to power and democracy.
 - e. While the movement has had policy success in areas, such as slowing and shifting debates about "Fast Track" trade negotiations, compulsory licensing, debt cancellation, and through corporate campaigns such as the work of Rainforest Action Network, there have been many areas in which the movement has failed to match its rhetorical goals with clearly outlined, achievable goals.

SECTION III: This section contains 25 questions:

- 51. Which Indian business person is known as the 'father of the Indian software industry'?
 - a. F.C.Kohli
 - b. N.R.Narayana Murthy
 - c. Azim Premji
 - d. Nandan Nilekani
- 52. Who is the present head of World Bank
 - a. Gita Gopinath
 - b. Soumya Swaminathan
 - c. Ajay Banga

- d. Anshula Kant
- 53. Who is the current Chairperson of the Board of Tata Sons?
 - a. Natarajan Chandrasekaran
 - b. Noel Tata
 - c. Ajay Piramal
 - d. Harish Manwani
- 54. 'Mr.Dependable' campaign having Rahul Dravid as the brand ambassador isfor which lubricant?
 - a. ExxonMobil Lubricants
 - b. MAK Lubricants
 - c. Castrol Lubricants
 - d. Servo Lubricants
- 55. Alyque Padamsee, known as the Father of Modern Indian Advertising, headedwhich advertising company
 - a. MullenLowe Lintas (formerly Lintas)
 - b. Ogilvy and Mather
 - c. Dentsu Aegis Network
 - d. McCann Erickson
- 56. What is Search Engine Optimisation in the context of digital marketing?
 - a. Technique to use a search engine that works fastest.
 - b. Technique to increase the quality of traffic to the website of the company.
 - c. Creates awareness of the company to the customers
 - d. Technique that restricts spammy links
- 57. Integrated marketing communications represents which of the four P's?
 - a. Product
 - b. Pricing
 - c. Promotion
 - d. Place
- 58. Which tea brand had the advertisement 'Tea, India's Favourite Social Network' during 2023?
 - a. Lipton
 - b. Taj Mahal
 - c. Brooke Bond Red Label
 - d. Tetley
- 59. What is the unique selling proposition (USP) in advertising?
 - a. A product or service that can sell
 - b. The main benefit or advantage that distinguishes a product/ service from competitors
 - c. A feature in a product/ service that cannot be altered
 - d. The target audience for the advertisement
- 60. Advertising that is set in small type and arranged according to categories or interests, are called ______

- a. Classified ads
- b. Banner ads
- c. Testimonial ads
- d. Display ads
- 61. Who has been selected for the 2023 Satyajit Ray Lifetime Achievement Awardat the 54th IFFI, held at Goa?
 - a. Elias Querejeta
 - b. Michael Douglas
 - c. Antonio Gades
 - d. Mario Camus
- 62. M.S.Swaminathan was recently awarded Bharat Ratna in recognition of contributions about _____
 - a. Physicist
 - b. Economist
 - c. Green Revolution
 - d. Aerospace
- 63. Who won the 'Best Digital and Social Media Advertiser' title at the Indian Digital Marketing Awards (IDMA) 2023?
 - gitai Marketing Awards (iDivi
 - a. Mondelez
 - b. Tata Consumer Products
 - c. Hindustan Unilever
 - d. Marico
- 64. Who got the first Nobel Peace prize in India?
 - a. Subrahmanyan Chandrasekhar
 - b. Kailash Satyarthi
 - c. Rabindranath Tagore
 - d. Mother Teresa
- 65. Who was honoured as the Outstanding Business Leader of the Year 2023 at CNBC-TV18's India Business Leader Awards?
 - a. Salil Parekh
 - b. Kiran Mazumdar Shaw
 - c. Dinesh Khara
 - d. Varun Berry
- 66. Who has been chosen as 'CEO of the Year 2023' by Time Magazine?
 - a. Sam Altman
 - b. Elon Musk
 - c. Satya Nadella
 - d. Tim Cook
- 67. Which of the following is India's highest honour in the field of literature?
 - a. Vyas Samman
 - b. Sahitya Akademi Award
 - c. Jnanipath Award
 - d. Saraswati Samman
- 68. 'Quality is remembered long after the price is forgotten' is quote of which

person?

- a. Aldo Gucci
- b. Aristotle
- c. W.Edwards Deming
- d. Philip Green
- 69. 'Har Ghar Kuchch Kehta Hai' is the tag line of which company?
 - a. Godrej Properties
 - b. Asian Paints
 - c. TATA Steel
 - d. Ambuja Cements
- 70. "The name you can bank upon' is the tagline of which bank?
 - a. HDFC Bank
 - b. Canara Bank
 - c. Kotak Mahindra Bank
 - d. Punjab National Bank

71. Chandrayan 3 mission consists of lunar rover named ______

- a. Vikram
- b. Pragyan
- c. Aakash
- d. Pratibha
- 72. What is the tagline of Air India?
 - a. 'For Everyone'
 - b. 'Window of possibilities'
 - c. 'Fly the new feeling'
 - d. 'The joy of flying'
- 73. Which newspaper has the motto 'Journalism of Courage'?
 - a. The Times of India
 - b. The Indian Express
 - c. The Hindustan Times
 - d. The Washington Post

74. 'Jago Grahak Jago' is a campaign run by whom :

- a. Retailers Association of India
- b. Federation of Indian Chambers of Commerce and Industry
- c. Ministry of Consumer Affairs
- d. National Consumer Dispute Redressal Commission
- 75. Who is the Chief Minister of Chattisgarh?
 - a. Shri Vishnu Deo Sai
 - b. Shri Vijay Baghel
 - c. Dr Raman Singh
 - d. Shri Arun Sao

SECTION IV: This section contains 25 questions:

76. What is the equation of a set of points equidistant from the lines y = 10 and x = -8?

a. $a \cdot x + y = -1$

- b. b. x + y = 1
- c. c. -x + y = 1
- d. d. x + y = 2
- 77. What is the area enclosed in the region defined by y = |x 2| + 2, line x = 1, X-axis and Y-axis?
 - a. 5 sq units
 - b. 6 sq units
 - c. 5.5 sq units
 - d. 2.5 sq units
- 78. Let C be the circle $x^2 + y^2 + 6x 4y 3 = 0$ and L be the locus of the point of intersection of a pair of tangents to C with the angle between the two tangents equal to 60° Then, the point at which L touches the line x = 5 is
 - a. (5, 2)
 - b. (5, 5)
 - c. (5,3)
 - d. (5,8)

79. (|x| - 3)(|y| + 4) = 12. How many pairs of integers (x, y) satisfy this equation?

- a. 6
- b. 9
- c. 8
- d. 10

80. If $\log_2 X + \log_4 X = \log_{0.25} \sqrt{6}$, then x is

- a. $6^{\frac{1}{6}}$
- b. $6^{-\frac{1}{6}}$
- c. $6^{\frac{1}{2}}$
- d. $6^{\frac{1}{3}}$

81. $\log_5 X + \log_x 5 = \frac{34}{8}$. Find the value of x.

- a. 5⁴
- b. $5^{\frac{1}{4}}$
- c. 5
- d. $5^4 \text{ or } 5^{\frac{1}{4}}$
- e. $5^{\frac{1}{3}}$
- 82. If $\log x + \log y = \log (x + y)$, then
 - a. x = y
 - b. xy = 1

 - c. $y = \frac{x-1}{x}$ d. $y = \frac{x}{x-1}$

83. What is the remainder when $(13^{100} + 17^{100})$ is divided by 25?

- a. 0
- b. 4
- c. 2
- d. 6

- 84. Of 120 students in a class, anyone who has chosen to study maths elects to do physics as well. But no one does maths and chemistry, 32 do physics and chemistry. All the students do at least one of the three subjects and the number of people who do exactly one of the three is more than the number who do more than one of the three. What are the maximum and minimum number of people who could have done Chemistry only?
 - a. 88,0
 - b. 80,0
 - c. 40.2
 - d. 44,0

85. Find the maximum and minimum value of 16 cos A + 30 sin A + 30

- a. -4,60
- b. 64, -4
- c. 50, 4
- d. 30,8
- 86. How many isosceles triangles with integer sides are possible such that sum of two of the side is 14?
 - a. 21
 - b. 22
 - c. 23
 - d. 20

87. \triangle ABC has integer sides k, l, m such that km = 12. How many such triangles are possible?

- a. 6
- b. 8
- c. 12
- d. 9

88. If we listed all numbers from 100 to 10,000, how many times would the digit 3 be printed?

- a. 3700
- b. 3980
- c. 3784
- d. 3845
- 89. Ramesh and Gopal take part in a duel. Ramesh can strike with an accuracy of 0.6. Gopal can strike with an accuracy of 0.8. Ramesh has the first shot, post which they strike alternately. What is the probability that Ramesh wins the duel?

 - a. $\frac{2}{3}$ b. $\frac{7}{7}$ b.
 - 10 11
 - c. 17 15
 - d. 23

90. How many odd numbers with distinct digits can be created using the digits 1, 2, 3, 4, and

- 5?
 - a. 978
 - b. 618
 - c. 540
 - d. 450
- 91. In how many ways can letters the word ATTITUDE be rearranged such that no two Ts are adjacent to each other?
 - a. 2400

- b. 6720
- c. 2410
- d. 6718
- 92. Doctors have devised a test for leptospirosis that has the following property: For any person suffering from lepto, there is a 90% chance of the test returning positive. For a person not suffering from lepto, there is an 80% chance of the test returning negative. It is known that 10% of people who go for testing have lepto. If a person who gets tested gets a +ve result for lepto (as in, the test result says they have got lepto), what is the probability that they actually have lepto?

a. $\frac{7}{10}$ b. $\frac{8}{11}$ c. $\frac{1}{3}$ d. $\frac{1}{2}$

- 93. How many 3-didgit numbers can be formed from the digits 2, 3, 5, 6, 7, and 9, which are divisible by 5 and none of the digits is repeated?
 - a. 10
 - b. 7
 - c. 25
 - d. 20
- 94. In a simultaneous throw of a pair of dice, find the probability of getting a total more than 8
 - 8 a.
 - a. $\frac{18}{18}$ b. $\frac{7}{18}$ c. $\frac{5}{18}$ d $\frac{4}{18}$

 - d. 18
- 95. Find the smallest number that leaves a remainder of 4 on division by 5, 5 on division by 6, 6 on division by 7, 7 on division by 8 and 8 on division by 9?
 - a. 980
 - b. 2025
 - c. 2519
 - d. 4059
- 96. If the true discount on a sum due 2 years hence at 14 % per annum be Rs. 168, the sum due is:
 - a. 768
 - b. 968
 - c. 1960
 - d. 2400
- 97. (|x| 3)(|y| + 4) = 12. How many pairs of integers (x, y) satisfy this equation?
 - a. 10
 - b. 4
 - c. 8
 - d. 6
- 98. Find the ratio of areas of the incircles and circumcircle of a square of a square. Let the sale of the square be x. Then, its diagonal

- a. 2:1
- b. 1:3
- c. 3:2
- d. 1:2
- 99. A rectangle has width x and length y. If the width is increased by 20 % and the length is decreased by 10. Then what is the area of the new rectangles in percentage compared to "ab"?
 - a. 108
 - b. 104
 - c. 8
 - d. 107

100. If the capacity of a cylindrical tank is 2696 m3 and the diameter of its base is 16 m, then find the depth of the tank.

- a. 13.41
- b. 13.00
- c. 13.21
- d. 13.24