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Booklet Serial No. 525521

Test Booklet Series

TEST BOOKLET - 2025
JKCCE (PRELIMINARY EXAMINATION) - 2025
GENERAL STUDIES
Paper - II
(92)

A

Time Allowed: Two Hours ***Maximum Marks: 200***

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET ***DOES NOT*** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. **Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series Code A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer /Response Sheet. Any omission/discrepancy will render the Response Sheet liable for rejection.**
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside. ***DO NOT*** **write** ***anything else*** on the Test Booklet.
4. This Test booklet contains **100** items (questions). Each item comprises of four responses (answers). You will select the response which you want to mark on the Answer Sheet/Response Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose ***ONLY ONE*** response for each item.
5. You have to mark all your responses ***ONLY*** on the separate Answer /Response Sheet provided. *See directions in the Response Sheet.*
6. ***All*** items carry equal marks.
7. Before you proceed to mark in the Answer /Response Sheet, the response to various items in the Test Booklet, you have to fill in some particulars in the Answer /Response Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Response Sheet and the examination has concluded, you should hand over to the Invigilator ***only the Answer /Response Sheet.*** You are permitted to take away with you the Test Booklet and ***Candidate's Copy of the Response Sheet .***
9. Sheets for rough work are appended in the Test Booklet at the end.
10. While writing Centre, Subject and Roll No. on the top of the Answer Sheet/Response Sheet in appropriate boxes use **"ONLY BALL POINT PEN".**
11. **Penalty for wrong answers:**

    THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY THE CANDIDATE IN THE WRITTEN TEST (OBJECTIVE TYPE QUESTION PAPER).

    (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.

    (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above for that question.

    (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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Passage for Questions (1-5):

In the evolving architecture of global power, the multi-polar world represents a decisive shift from the unipolar dominance of the post–Cold War era toward a more distributed balance of influence. Within this dynamic configuration, India occupies a uniquely strategic position. No longer content to be a passive observer, India aspires to function as a balancing power—bridging the ideological divide between established Western democracies and emerging non-Western coalitions. Its foreign policy reflects a nuanced pragmatism, rooted in the tradition of non-alignment yet reinterpreted through the lens of 21st-century realpolitik.

India's approach to global diplomacy emphasizes strategic autonomy, which allows it to engage with multiple power blocs without being constrained by rigid alliances. This flexibility enables India to participate in platforms such as the Quadrilateral Security Dialogue (Quad), the BRICS alliance, and the Shanghai Cooperation Organisation (SCO) simultaneously. Rather than aligning itself permanently with any single camp, India seeks to safeguard its national interests while contributing to a more equitable international order.

However, India's role in a multi-polar world is not without challenges. It must navigate competing expectations from major powers, manage complex regional dynamics, and address domestic vulnerabilities that influence its external posture. Furthermore, India's pursuit of strategic influence is often tested by global issues such as climate change, energy security, and technological dependency. Balancing moral diplomacy with economic pragmatism remains a delicate task.

Ultimately, India's vision for the multi-polar world is neither confrontational nor subordinate. It seeks a redefinition of global governance based on inclusivity, sovereignty, and mutual respect. In this framework, power is not the monopoly of a few nations but a shared responsibility shaped by cooperation, dialogue, and the collective pursuit of stability.

1. According to the passage, India's concept of *strategic autonomy* primarily allows it to:

A) Isolate itself from all major global alliances.

B) Maintain flexibility by engaging with multiple power blocs.

C) Fully align with Western democracies for security guarantees.

D) Avoid participation in regional organizations altogether.

2. The passage suggests that India's foreign policy in the 21st century differs from traditional non-alignment because it:

A) Rejects all moral or ideological principles.

B) Combines independence with pragmatic engagement in global institutions.

C) Seeks military alliances to counter regional threats.

D) Focuses exclusively on economic diplomacy without political consideration.

3. Which of the following best captures the author's view of India's role in the multi-polar world?

A) India is attempting to dominate weaker states in Asia.

B) India functions as a mediator that bridges diverse global power structures.

C) India seeks to replace the United States as the world's leading superpower.

D) India prefers neutrality and complete disengagement from global politics.

4. The passage implies that one of India's key challenges in maintaining its global position is:

A) Overreliance on Western financial institutions.

B) Managing both domestic vulnerabilities and external pressures.

C) Complete dependence on energy imports from the Middle East.

D) Lack of participation in international organizations.

5. The tone of the passage is best described as:

A) Critical and dismissive of India's diplomacy.

B) Analytical and balanced in its evaluation of India's foreign policy.

C) Emotional and nationalistic in support of India's rise.

D) Simplistic and descriptive without critical insight.

Passage for Questions (6-10):

In the modern era of technological convenience, the sedentary lifestyle has emerged as one of the most insidious threats to human well-being. Characterized by prolonged periods of physical inactivity, especially sitting, this lifestyle is paradoxically associated with progress. Urbanization, automation, and digitalization have collectively minimized the need for bodily exertion, confining individuals to desks, screens, and vehicles. Yet beneath this veneer of comfort lies a silent epidemic: studies have correlated sedentary behaviour with increased risks of cardiovascular disease, obesity, diabetes, depression, and even premature mortality.

However, the problem transcends physical health. A sedentary routine erodes cognitive sharpness, diminishes productivity, and undermines emotional resilience. Paradoxically, people often mistake mental busyness for physical engagement, failing to recognize that intellectual effort does not compensate for physiological stagnation. The human body, evolved for movement, demands dynamic equilibrium–where activity and rest coexist in harmony.

Countering sedentarism requires more than occasional workouts; it necessitates a cultural and psychological shift. Modern individuals must relearn the art of movement–taking stairs instead of elevators, walking during calls, or simply stretching at intervals. Moreover, educational and workplace institutions must redesign their structures to promote kinetic awareness, integrating motion into daily rhythms rather than treating exercise as an optional afterthought. The antidote to a sedentary life is not merely exercise, but a reorientation of values, a conscious reclamation of vitality against the inertia of convenience.

6. According to the passage, the sedentary lifestyle is described as "insidious" primarily because it:

A) Encourages technological innovation while discouraging creativity.

B) Appears harmless but leads to severe long-term consequences.

C) Requires minimal effort to maintain physical fitness.

D) Results only from urban overcrowding and lack of space.

7. The author suggests that combating sedentary behaviour demands:

A) Strict regulation of screen time and digital devices.

B) Occasional participation in high-intensity workouts.

C) A cultural transformation that values movement in everyday life.

D) Exclusive dependence on gym-based physical exercise.

8. The paradox mentioned in the passage refers to the fact that:

A) Technological advancement coexists with declining physical health.

B) People are more active but less productive in modern times.

C) Automation has reduced mental workload while increasing stress.

D) Rest and exercise have become indistinguishable concepts.

9. The author's tone in the passage can best be described as:

A) Nostalgic and sentimental

B) Analytical and cautionary

C) Indifferent and neutral

D) Optimistic and celebratory

10. **Assertion (A)**: Sedentary lifestyles contribute to both physical and psychological deterioration.

Reason (R): Continuous inactivity disrupts the body's natural need for movement and balance.

Select the correct answer:

A) Both A and R are true, and R is the correct explanation of A.

B) Both A and R are true, but R is not the correct explanation of A.

C) A is true, but R is false.

D) A is false, but R is true.

Passage for Questions (11-15):

Critical thinking has become a cornerstone of higher education, fostering intellectual rigor, creativity, and independent judgment. It is not merely the accumulation of knowledge but the ability to analyse, evaluate, and synthesize information to arrive at reasoned conclusions. In an era of information abundance, where digital media and open-access resources flood students with diverse and often conflicting perspectives, the capacity to discern credibility and relevance is more crucial than ever.

The role of critical thinking extends beyond academic performance. It cultivates problem-solving skills, ethical reasoning, and reflective judgment, equipping students to navigate complex societal and professional landscapes. By challenging assumptions, questioning established norms, and considering multiple viewpoints, learners develop a flexible and adaptive mindset. This, in turn, enhances innovation, civic engagement, and lifelong learning.

However, fostering critical thinking is not without challenges. Traditional rote-based pedagogies, examination-oriented curricula, and hierarchical classroom structures often discourage questioning and intellectual independence. Higher education institutions must therefore integrate active learning strategies, discussion-based seminars, and interdisciplinary approaches that encourage curiosity and analytical reasoning. In doing so, they can transform education from a mere process of knowledge transmission into a platform for cultivating discernment, responsibility, and transformative thinking.

11. According to the passage, critical thinking in higher education primarily involves:
A) Memorizing and reproducing factual information
B) Analysing, evaluating, and synthesizing information
C) Following prescribed instructions without questioning
D) Relying exclusively on digital resources

12. The passage implies that critical thinking contributes to:
A) Only academic success without real-world application
B) Problem-solving, ethical reasoning, and adaptive judgment
C) Passive learning and rote memorization
D) Limiting students to traditional disciplinary boundaries

13. A major challenge to fostering critical thinking in higher education is:
A) Excessive interdisciplinary collaboration
B) Rote-based teaching and examination-oriented curricula
C) Overemphasis on group discussion and debate
D) Encouragement of questioning and curiosity

14. Which of the following best captures the author's perspective on the purpose of higher education?
A) Higher education is only for knowledge accumulation.
B) It should cultivate discernment, responsibility, and transformative thinking.
C) It primarily functions to prepare students for standardized testing.
D) It should focus solely on vocational training.

15. The passage suggests that in the context of information abundance, critical thinking is essential because:

A) It allows students to memorize all available information.

B) It helps students discern credible, relevant, and conflicting perspectives.

C) It eliminates the need for interdisciplinary study.

D) It encourages reliance on authoritative texts alone.

Passage for Questions (16-20):

The relationship between reason and faith has been a central concern in philosophy, theology, and intellectual history. Reason, grounded in logic, evidence, and critical inquiry, seeks to explain the world through observation and analysis. Faith, in contrast, involves belief in principles or realities that may transcend empirical verification, often grounded in spiritual, moral, or religious convictions. While these approaches are frequently portrayed as oppositional, history reveals numerous attempts to reconcile them, suggesting that reason and faith can coexist in complementary ways.

Medieval thinkers like Thomas Aquinas argued that reason could illuminate and support faith, showing that rational reflection and divine revelation need not contradict one another. Similarly, contemporary discourse often emphasizes that ethical and existential questions–such as the purpose of life, justice, and human dignity–cannot be fully addressed by reason alone. Faith provides a framework of values and meaning, while reason ensures coherence, critical assessment, and responsible application of those beliefs.

Nevertheless, the coexistence of reason and faith requires careful navigation. Uncritical adherence to faith can lead to dogmatism, while exclusive reliance on reason may produce moral relativism or existential emptiness. A balanced engagement encourages dialogue, humility, and openness, allowing individuals to integrate empirical knowledge with ethical and spiritual insight. In this sense, the interplay of reason and faith fosters a more comprehensive understanding of human experience, bridging the empirical and the transcendent.

16. According to the passage, reason and faith are often seen as:

A) Complementary by nature without conflict

B) Oppositional, though historically reconciled in many cases

C) Identical in their methods of inquiry

D) Mutually exclusive in all intellectual traditions

17. The passage suggests that faith contributes primarily by:

A) Providing empirical evidence for scientific theories

B) Offering ethical and existential frameworks of meaning

C) Eliminating the need for critical thinking

D) Resolving mathematical and logical problems

18. The author implies that reliance solely on reason may result in:
    A) Moral relativism and existential emptiness
    B) Spiritual enlightenment
    C) Dogmatic adherence to traditions
    D) Universal acceptance of faith-based claims

19. According to the passage, the historical example of Thomas Aquinas demonstrates that:
    A) Faith is always superior to reason
    B) Reason can support and illuminate faith
    C) Reason and faith should never interact
    D) Faith alone can provide empirical knowledge

20. The author's perspective on the coexistence of reason and faith can best be described as:
    A) Dismissive of faith in favour of empirical reasoning
    B) Advocating for a balanced dialogue integrating both
    C) Sceptical of all forms of rational inquiry
    D) Promoting exclusive spiritual belief without analysis

Passage for Questions (21-25)

In the contemporary information ecosystem, the proliferation of misinformation has emerged as a profound threat to social cohesion and democratic governance. Misinformation, defined as false or misleading content disseminated without adequate verification, undermines the capacity of individuals to make informed decisions. The rapid dissemination of such content through social media, online news platforms, and instant messaging networks accelerates its impact, often outpacing the corrective mechanisms of fact-checking and editorial oversight.

The consequences of pervasive misinformation extend beyond isolated errors in judgment. When repeated and amplified, false narratives corrode public trust in institutions, media, and expert authority. Citizens become sceptical of official reports, scientific findings, and policy directives, fostering cynicism and polarization. This erosion of trust is particularly destabilizing during crises such as pandemics, natural disasters, or political upheavals, where coordinated action relies on shared understanding and confidence in credible information sources.

Addressing this challenge requires both structural and cognitive interventions. Media literacy, critical thinking, and public awareness campaigns are essential to equip individuals with the skills to evaluate information critically. Simultaneously, institutions must enhance transparency, accountability, and responsiveness to reinforce credibility. The interplay between technological regulation, ethical journalism, and informed citizenship is crucial to mitigating misinformation's corrosive effects and restoring the trust necessary for functional societies.

21. According to the passage, misinformation primarily threatens society by:
    A) Limiting technological innovation
    B) Undermining informed decision-making and public trust
    C) Increasing literacy and critical thinking
    D) Strengthening institutional authority

22. The passage suggests that repeated exposure to false narratives leads to:

A) Enhanced confidence in media sources

B) Scepticism, polarization, and erosion of trust in institutions

C) Rapid problem-solving during crises

D) Complete elimination of misinformation

23. The author implies that combating misinformation requires:

A) Solely technological restrictions on social media

B) A combination of media literacy, critical thinking, and institutional accountability

C) Ignoring false content to avoid spreading it

D) Focusing exclusively on punitive measures against individuals

24. Which of the following scenarios exemplifies the erosion of trust described in the passage?

A) Citizens relying on multiple credible sources to verify information

B) Communities ignoring official health guidelines due to conflicting online rumours

C) Journalists publishing verified scientific studies

D) Governments providing timely and transparent updates during crises

25. The tone of the passage can best be described as:

A) Analytical and cautionary

B) Optimistic and reassuring

C) Humorous and satirical

D) Detached and indifferent

Passage for Questions (26-30)

The revival of traditional knowledge systems represents an important cultural and intellectual shift in the modern world. For centuries, local and indigenous forms of knowledge rooted in ecological balance, holistic health, and community cooperation were overlooked in favour of Western scientific methods. Today, as societies face growing crises in environment, health, and ethics, these traditional systems are being re-evaluated for the sustainable wisdom they contain. Examples include Ayurvedic medicine, organic farming, traditional water conservation, and climate-responsive architecture, all of which reveal a deep understanding of the relationship between humans and nature.

However, revival must not mean blind imitation of the past. Traditional knowledge should be studied critically and adapted thoughtfully within current scientific and social frameworks. The real challenge lies in keeping its original essence alive while making it suitable for modern realities. This goal can be achieved only through collaboration among scientists, scholars, and local practitioners who can connect ancient insight with modern innovation.

At a deeper level, the resurgence of traditional knowledge invites societies to rethink the meaning of progress. It promotes a circular and cooperative vision of life, rather than one focused only on material or industrial advancement. In this sense, traditional wisdom is not a relic to be admired but a living foundation for creating a more balanced and sustainable future.

26. According to the passage, traditional knowledge systems are being revived mainly because they:

A) Offer sustainable approaches to modern global challenges.

B) Help preserve cultural heritage without practical use.

C) Reject all methods of scientific reasoning.

D) Are supported by global corporations.

27. The author suggests that the revival of traditional knowledge should:

A) Avoid being treated as unquestionable or perfect.

B) Completely replace modern scientific systems.

C) Focus only on its religious aspects.

D) Depend solely on government funding.

28. The passage implies that true revival of traditional wisdom requires:

A) Complete separation from modern technology.

B) A balance between authenticity and adaptation.

C) Dependence on historical texts alone.

D) Exclusion of interdisciplinary collaboration.

29. The tone of the passage can best be described as:

A) Nostalgic and emotional.

B) Analytical and constructive.

C) Indifferent and neutral.

D) Critical and dismissive.

30. **Assertion (A)**: The revival of traditional knowledge systems is vital for building sustainable futures.

Reason (R): These systems are based on harmony between human existence and the natural environment.

Select the correct answer:

A) Both A and R are true, and R correctly explains A.

B) Both A and R are true, but R does not explain A.

C) A is true, but R is false.

D) A is false, but R is true.

31. _____ is the power of touch in communication.

A) Body posture

B) Eye contact

C) Paralanguage

D) Haptics

32. Which interpersonal skill is MOST important when solving a conflict?

A) Dominating the conversation.

B) Empathy and impartiality

C) Avoiding the conflict

D) Taking sides quickly

33. If the Defence Minister is advocated by the Defence secretary to solve the problem connecting to the Military services based on some general principles, then he is offering this solution based on:

A) Inductive reasoning

B) Deductive reasoning

C) Case studies

D) None of these

34. Which of the following best illustrates **semantic noise**?

A) Static in a telephone line
B) Misunderstanding caused by unfamiliar words or jargon
C) Poor handwriting in a letter
D) Interruptions during a speech

35. Empathy in interpersonal communication involves:

I. Understanding others' feelings.
II. Judging others' perspectives.
III. Responding sensitively to emotions.
IV. Ignoring personal biases to remain objective.

Select the correct answer by using the code:

A) I, II, and IV only
B) I and III only
C) II and IV only
D) I and IV only

36. A district hospital is facing an acute shortage of essential vaccines. An influential politician's family member demands priority access, while rural health workers are requesting the limited doses for tribal children who are more vulnerable and underserved.

As the District Health Officer, what would be the most appropriate and ethical course of action?

A) Prioritize the politician's request to avoid political backlash and maintain administrative cooperation.
B) Distribute the vaccines strictly on a first-come, first-served basis.
C) Allocate the available doses based on medical vulnerability and equity in public health outreach.
D) Delay the decision and request additional vaccine supplies before making any distribution.

37. A major religious procession is planned in a communally sensitive area that has previously witnessed clashes over route disputes and loudspeaker use. This year, the event coincides with a large political rally nearby. Intelligence reports warn of possible flare-ups if provocative speeches or chants occur. Religious groups, however, insist on conducting full traditional celebrations without any restrictions.

As the senior district official responsible for maintaining law and order, what would be the most balanced course of action?

A) Allow the procession as requested to avoid offending religious sentiments, but increase police deployment
B) Cancel the political rally citing security risk and allow the festival with conditions
C) Restrict both events equally and arrange alternate routes and time slots in consultation with leaders
D) Allow only the religious event to continue as it holds traditional significance

38. You are a police officer on duty at a highway checkpoint when a minister's car is stopped for routine inspection. At the same time, you receive information that a child has gone missing nearby and immediate action is required. Your senior officer instructs you to prioritize escorting the minister instead of responding to the missing child report.

In this situation, what should you do?

A) Obey your senior's instruction and escort the minister.

B) Argue with your senior about the urgency of the child's case.

C) Immediately deploy your team to search for the missing child while respectfully informing your senior about the situation.

D) Ignore the missing child case and follow your superior's order completely.

39. A local MLA has organized an unauthorized road blockade demanding compensation for farmers. The protest has drawn a large crowd, blocking a national highway and disrupting public traffic. The situation is tense and politically sensitive.

As the District Magistrate (DM) or Superintendent of Police (SP), what should be your most appropriate course of action?

A) Engage the MLA diplomatically to persuade withdrawal of the blockade, while preparing for legal action and arranging alternate routes for commuters.

B) Allow the protest to continue since it involves political sensitivities.

C) Arrest the MLA immediately to restore order.

D) Seek written approval from the Chief Minister before taking any action.

40. In a city, a surge in vector-borne diseases coincides with increased garbage accumulation due to an ongoing strike by sanitation workers. The municipal corporation faces public criticism and rising patient admissions.

As the Municipal Health Officer, what should be your priority action?

A) Publicly blame sanitation workers to pressure them to end the strike.

B) Coordinate emergency waste disposal with private contractors while negotiating with workers.

C) Deploy health camps only, ignoring sanitation until the strike ends.

D) Wait for municipal leadership to resolve the strike before taking any action.

41. While evaluating bids for a government project, one of the participants privately offers you a "small favour" in exchange for favourable consideration, claiming that "such practices are normal everywhere."

What would be the most ethical course of action?

A) Politely decline the offer and ignore the incident

B) Reject the offer and immediately report the attempt to higher authorities

C) Accept the offer but ensure that the selection process remains fair

D) Delay the decision to avoid confrontation

42. A destitute widow has illegally occupied a piece of government land to build a small hut. An eviction notice is due for execution.

What is the most appropriate course of action?

A) Evict her immediately as per legal provisions

B) Provide temporary shelter under welfare schemes and initiate legal regularization if permissible

C) Allow her to stay, ignoring the legal provisions

D) Delay the eviction indefinitely to avoid public criticism

43. As the District Education Officer, you receive credible information that some teachers in remote schools are marking attendance for their absent colleagues. These teachers are locally influential and popular in the community.

What would be the most appropriate and ethical course of action?

A) Ignore the issue since teaching activities are continuing

B) Privately warn the teachers to correct their behaviour

C) Conduct surprise inspections, collect evidence, and initiate disciplinary action as per rules

D) Transfer the concerned teachers quietly without any formal inquiry

44. Consider the following statements:

Statement 1: All graduates are teachers.

Statement 2: All ministers must be politicians.

Statement 3: No politician is a graduate.

Which of the following conclusions can be logically drawn from the above statements?

A) Some teachers are graduates.

B) All teachers are loyal.

C) Some teachers are ministers.

D) No conclusion can be drawn.

45. Consider the following statements:

Statement 1: All scholars are microbiologists.

Statement 2: Some microbiologists are scientists.

Conclusions:

a. All scholars are scientists.

b. Some scholars are scientists.

c. Some scientists are microbiologists.

d. Some microbiologists are scholars.

Which of the conclusions logically follow from the above statements?

A) All of the four

B) c and d only

C) c only

D) None of the four

46. The following question consists of six statements a, b, c, d, e, and f followed by four groups of three statements each. Identify the group or groups in which the third statement logically follows from the first two statements.

Statements:

a. Every car is a bus

b. Some buses are trains

c. Several trains are not buses

d. A lot of cars are not trains

e. Many cars are trains

f. No car is a train

Options:

A) a e c

B) a e b

C) a d f

D) a d c

47. If (i). $84 \div 21 = 9$; (ii). $56 \div 32 = 6$

(iii). $37 \div 41 = 5$

The above operations are done using some logic,

Using same logic find number replaces '?' in the following:

$87 \div 15 = ?$

Options:

A) 0

B) 9

C) 7

D) 3

48. Arrange the following words in dictionary order:

I. Resume

II. Reside

III. Resist

IV. Resolution

Options:

A) II, IV, I, III

B) IV, II, I, III

C) II, I, IV, III

D) II, III, IV, I

49. Four pairs of words are given below. In three of these pairs, the words bear a similar relationship. Identify the pair in which the relationship is different from the others.

Options:

A) Cooker: Rice
B) Cloth: Garments
C) Leather: Footwear
D) Clay: Earthen pots

50. Find the pair that exhibits the same relationship as the one given below:

Horse: Stable :: ?

Options:

A) Cat : Kitten
B) House : Dog
C) Cow : Barn
D) Lion : Forest

51. The following table shows the number of students in five different classes of a school:

Class	**Students**
A	50
B	60
C	70
D	80
E	90

What is the percentage of students in Class C with respect to the total number of students in all five classes?

A) 15%
B) 20%
C) 25%
D) 30%

52. Find the pair that exhibits the same relationship as the one given below:

840 : 735 :: 630 : ?

Options:

A) 540
B) 525
C) 420
D) 740

53. Introducing Madhan, a woman said, "His wife is the only daughter of my mother". How is Madhan related to the woman?

Options:

A) Husband

B) Brother

C) Grand father

D) Son

54. This morning five employees arrived at the office. The following information is known:

P entered before Q, but after R.

S entered before T, but after Q.

In what order did they enter the office?

Options:

A) T S P Q R

B) R P Q S T

C) R Q P S T

D) P Q R S T

55. Find the figure that correctly represents the water image of the given figure from the options provided below.

MARKET

Options:

A) 

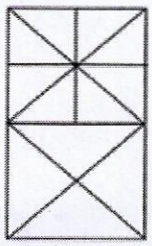
B) 

C) 

D) 

56. How many triangles can be identified in the given figure?

Question figure:



Options:

A) 24

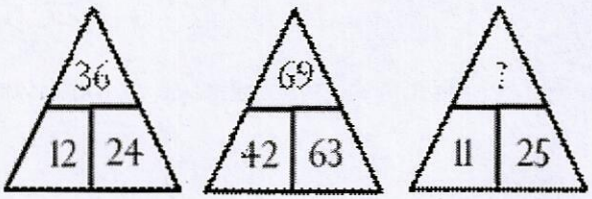
B) 29

C) 21

D) 26

57. In the given figures, the number at the top is obtained by applying a certain logic to the numbers at the bottom. Using the same logic, find the number that should replace the question mark.

Question figure:



Options:

A) 36

B) 0

C) 14

D) 27

58. Select the set in which the relationship among the three numbers is the same as that in the given set (5, 12, 13).

A) (3, 10, 14)

B) (7, 26, 28)

C) (3, 4, 5)

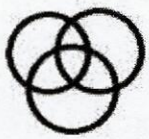
D) (9, 10, 12)

59. Three of the following four letter clusters follow a similar pattern, while one does not. Identify the letter cluster that is different from the rest.

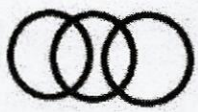
A) ACEG
B) EGIK
C) MOQT
D) IKMO

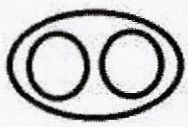
60. Which of the following Venn diagrams best represents the relationship among Teachers, Men, and Women?

Options:

A) 

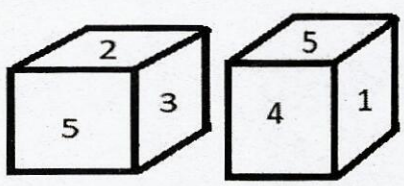
B) 

C) 

D) 

61. Two different positions of the same dice are shown below. If the number 6 is on the bottom face, then which number will appear on the top face?

Question figure:

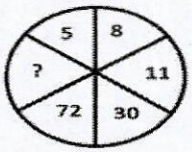


Options:

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

62. Find the missing number:

Question figure:



Options:

A) 100
B) 121
C) 132
D) 99

63. The table below shows the number of students (in hundreds) enrolled in five different colleges over four years.

College	2020	2021	2022	2023
A	12	15	18	21
B	10	12	15	20
C	08	10	12	14
D	15	18	22	25
E	09	11	13	16

In 2023, if 60% of the students in College D and 50% of those in College E were female students, what was the total number of male students (in hundreds) in these two colleges in 2023?

A) 18.0
B) 20.5
C) 22.5
D) 23.0

64. Find the next number in the given series:

43, 53, 61, 71, 79, 89, _?

A) 101
B) 98
C) 99
D) 103

65. Find the next number in the given series:

2, 1, 24, 6, 720, 120, 40320, -?

A) 8160
B) 56740
C) 64280
D) 5040

66. Chandru is the brother of Bhanu and Divakar is the grandfather of Evan. Bhanu is the daughter-in-law of Divakar and Ajay is the father of Evan. **How is Chandru related to Evan?**

A) Paternal Aunt

B) Maternal Uncle

C) More than one of the above

D) None of the above

67. Six members, Princess, Queen, Raj, Subash, Tarik and Umra, are related as follows: Tarik is the brother of Princess's husband. Umra is the mother of Tarik. Queen is the daughter of Subash and Princess, and the granddaughter of Raj.

On the basis of the above information, how is Raj related to Tarik?

A) Father

B) Son

C) Brother

D) Uncle

68. S, A, T, Y, B and M are sitting in a row. A and B are at the ends. S and T are in the center. M is sitting to the left of A.

Who is to the right of Y?

A) A

B) T

C) S

D) Data insufficient

69. Aarav, Bala, Chandini, Devi, and Esther are sitting on a bench. Aarav is sitting next to Bala, while Chandini is sitting next to Devi. Devi is not sitting with Esther, who occupies the left end of the bench. Chandini is positioned second from the right. Aarav is seated to the right of both Bala and Esther, and he is also sitting next to Chandini.

Based on this information, at which position is Aarav sitting?

A) Between Bala and Devi

B) Between Bala and Chandini

C) Between Esther and Devi

D) Between Chandini and Esther

70. A cube is painted blue on all its faces and then cut into 216 equal smaller cubes of identical size.

How many of these smaller cubes have exactly one face painted blue?

A) 36

B) 72

C) 100

D) 96

71. What are the maximum possible number of pieces that can be cut from a large cube, by doing only 15 cuts?

A) 216

B) 125

C) 225

D) 150

72. In a class of 150 students, the number of girls is two-thirds the number of boys. Gowri is ranked 60th from the top, and there are 20 girls ahead of her in rank.

How many boys are ranked below Gowri?

A) 60

B) 39

C) 51

D) 59

73. Rajam starts driving from her friend's house 13 km towards the south, then she turns right and drove 10 km, and then she turned left and drove 7 km. She finally turns left and drove 25 km to reach beach. What is the shortest distance between her friend's house and the beach?

A) 28 km

B) 25 km

C) 21 km

D) 27 km

74. The reflex angle between the hands of a clock at 9.55 is:

A) 313.5^{o}

B) 327.5^{o}

C) 330^{o}

D) 325^{o}

75. Select the pair that best expresses a relationship similar to the one expressed in the given pair:

Cockpit: Pilot :: Bridge : ?

Choose the correct answer:

A) Teacher

B) Sailor

C) Captain

D) Driver

76. Find the correct logic from the given equations and, based on the same logic, solve the following:

If 5 © 4 = 41, 7 © 2 = 53, 11 © 3 = 130, then what is the value of 8 © 5?

Choose the correct answer:

A) 78

B) 63

C) 56

D) 89

77. If '+' means '-', '-' means '×', '÷' means '+', and '×' means '÷', then what will be the value of the following expression?

$21 \times 7 \div 4 - 5 + 3 = ?$

Choose the correct answer:

A) 56

B) 20

C) 32

D) 144

78. Which one of the following numbers must be subtracted from **5340** to obtain a perfect square?

A) 14

B) 11

C) 12

D) 18

79. What is the remainder when 987654321 is divided by 99?

A) 0

B) 26

C) 32

D) 27

80. How many positive integers less than 20 are coprime to 20?

A) 10

B) 11

C) 8

D) 7

81. The sum of the cubes of first 'n' natural numbers is 784.

What is the square of the sum of those 'n' numbers?

A) 841

B) 900

C) 784

D) 625

82. In a 30-day month beginning with a Sunday, a museum records an average of 720 visitors on Sundays, and the number of visitors on each of the other days is half of that number.

What is the average number of visitors per day during the month?

A) 420

B) 408

C) 540

D) 520

83. While entering the test marks of a class, Arun's marks were entered as 98 instead of 68. As a result, the average marks of the class increased by 0.5.

What is the number of pupils in the class?

A) 10

B) 20

C) 60

D) 73

84. The average monthly income of A and B is Rs.4320, that of B and C is Rs.5280, and that of A and C is Rs.6020.

What is the monthly income of A?

A) 3410

B) 5060

C) 4050

D) 6160

85. What is the remainder when $53^{147}-27^{147}$ is divided by 26?

A) 0

B) 25

C) 1

D) 2

86. In how many different ways can 840 be expressed as a product of two positive factors?

A) 20

B) 16

C) 10

D) 12

87. What is the largest possible decimal number that can be written explicitly using standard roman numeral symbols?

A) 3000

B) 3999

C) 1000

D) 2999

88. In a school, there are three sections A, B, and C having 120, 144, and 192 students respectively. These students are to be divided into groups of equal strength, such that each group consists of students from only one section.

What is the least possible number of groups that can be formed?

A) 24

B) 48

C) 19

D) 23

89. The sides of a right-angled triangular park are in the ratio 5: 12: 13. If the sum of all sides is 120 meters.

What is the area of the park?

A) 520 m^2

B) 480 m^2

C) 120 m^2

D) 360 m^2

90. Three fair dice are thrown simultaneously. What is the probability that the sum of the numbers obtained on the three dice is 16?

A) $\frac{1}{36}$

B) $\frac{5}{216}$

C) $\frac{1}{54}$

D) $\frac{1}{72}$

91. A question paper consists of four questions, each having two possible answers, YES or NO.

In how many different ways can a student answer at least one question?

A) 81

B) 16

C) 15

D) 80

92. If $1^3+2^3+3^3+.....+x^3 = 441$,

Find the value of x:

A) 21

B) 6

C) 20

D) 7

93. The perimeter of a rectangle is 68 cm, and its diagonal measures 26 cm. What is the area of the rectangle?

A) 480

B) 676

C) 240

D) 560

94. In a 10 km marathon race, A beats B by 1000 meters, and B beats C by 1250 meters. By how many meters does A beat C in the same race?

A) 2125 m

B) 1250 m

C) 2250 m

D) 2150 m

95. The speed of a boat in upstream is 52 km/h, while its downstream speed is 50/3 m/s.

What is the speed of the stream?

A) 56 km/h

B) 8 km/h

C) 40 km/h

D) 4 km/h

96. A man travels 48 km at a speed of 12 km/h, 72 km at a speed of 18 km/h and 120 km at a speed of 10 km/h.
What is his average speed for the entire journey?

A) $12\ \frac{km}{hr}$

B) $10\ \frac{km}{hr}$

C) $18\ \frac{km}{hr}$

D) $16\ \frac{km}{hr}$

97. Twenty workers can complete a piece of work in 80 days. They worked together for 56 days, and then work stopped for 16 days due to bad weather. How many more men should be employed immediately after the stoppage so that the work is still completed within the original 80 days?

A) 60 men
B) 40 men
C) 0 men
D) 56 men

98. A certain sum of money becomes 8 times itself in 15 years at compound interest. In how many years will it become 16 times itself at the same rate of interest?

A) 20 years
B) 30 years
C) 25 years
D) 28 years

99. Find the simple interest due on Rs. 12500 for 219 days at 10% per annum.

A) Rs. 1125
B) Rs. 960
C) Rs. 900
D) Rs. 750

100. Two vessels contain mixtures of liquids A and B in the ratios 7: 3 and 4: 1 respectively. If equal quantities of these two mixtures are mixed together in a third vessel, what will be the resulting ratio of liquid A to liquid B?

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