# Preface

This book has been meticulously crafted to serve as a comprehensive guide for aspirants preparing for the **GATE Civil Engineering examination**. With an ever-increasing competition, success in GATE demands a deep understanding of core concepts, coupled with a focused and strategic approach. This book has been structured to provide an all-encompassing review of essential topics while catering to the unique needs of both beginners and advanced learners.

This book is a comprehensive collection of **solutions to the GATE Civil exam questions from the past 30 years, spanning 1996 to 2025**. Designed for aspirants who seek a deep understanding of question patterns and solution techniques, this book is an essential resource for efficient and effective exam preparation.

Organized into **eight chapters**, this collection covers the entire spectrum of the syllabus. **Each chapter is subdivided into units** for clear topic segmentation, **with questions sorted year-wise** to highlight the progression of concepts and formats over time. Additionally, **questions are categorized into Multiple Choice Questions (MCQ), Multiple Select Questions (MSQ), and Numerical Answer Type (NAT) formats**, reflecting the varied question styles found in the exam. Each solution is presented in a detailed, step-by-step format, clarifying not only the approach but also the underlying concepts and problem-solving strategies required to succeed in GATE.

By working through these solutions, students can solidify their grasp of key topics, identify trends in question formats, and refine their time management skills. This book is intended to be a practical tool for achieving a high level of preparation, enabling candidates to approach the GATE exam with confidence and competence.

# Acknowledgement

Creating this book has been a rewarding journey, one made possible through the invaluable support, insights, and encouragement of many individuals. We want to extend our sincere appreciation to Mr. Radheshyam Choudhary, Director at IFAS Publications and Dr. Kailash Choudhary, Founder of IFAS. Our special thanks to Mr. Dadasaheb Sondge and Mr. Digambar Jagtap for their valuable support and critical suggestions for bringing out the book in its present form.

The successful completion of this book is a collective achievement made possible through the dedication and expertise of our contributors and reviewers. We extend our heartfelt gratitude to **Mr. Sachin Mosambe**, whose commitment to crafting comprehensive and clear solutions has been invaluable in creating a resource that serves as a reliable companion for GATE Civil aspirants. We also express our sincere appreciation to Mr. Omkar Girkar, Ms. Chetana Deshmukh and Ms. Dhanashree Bhosale for handling the General Aptitude and Engineering Mathematics part.

This book is a team effort and producing it would be impossible without helping and supportive people at IFAS Publications. We are thankful to the team at IFAS Publications, most notably Ms. Gitanjalee Jadhav for helpful suggestions to improve the quality of the content and regular reminders for timely completion of the project. It has been a pleasure to work with Mr. Vikendra Metha and Mr. Govind Kumar who took great care during the copy-editing and production processes of this book. A special thanks goes to our graphics team – Ms. Yogeshwari Lokhande, Ms. Gayatri Pawar and Ms. Madhuri Chaugule - for their excellent work in creating clear, precise diagrams that enhance the understanding of complex concepts.

This book is a product of teamwork and dedication, and we thank everyone involved in its creation and production. It is our hope that this work will serve as a trusted guide for students as they prepare for the GATE Civil exam.

Thank you to everyone who contributed to this project and supported us in bringing it to life.

# About G A T E

Graduate Aptitude Test in Engineering (GATE) is a national examination conducted jointly by the Indian Institute of Science (IISc), Bengaluru and the seven Indian Institutes of Technology (at Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) on behalf of the National Coordination Board (NCB)-GATE, Department of Higher Education, Ministry of Education (MoE), Government of India.

Qualifying in GATE is a mandatory requirement for seeking admission and/or financial assistance to: (i) Master's programs and direct Doctoral programs in Engineering/ Technology/ Architecture and (ii) Doctoral programs in relevant branches of Arts and Science, in the institutions supported by the MoE and other Government agencies. Even in some colleges and institutions, which admit students without MoE scholarship/ assistantship, the GATE qualification is mandatory. Further, many Public Sector Undertakings (PSUs) have been using the GATE score in their recruitment process.

## Exam Details:

| | |
|---|---|
| **Mode of Examination** | Computer Based Test |
| **Paper Code** | CE |
| **Duration of Exam** | 180 minutes |
| **Total number of Questions** | 65 |
| **Total Marks** | 100 |
| **Language of Examination** | English |

## Exam Pattern:

| **Sections** | **Section I**<br>(General Aptitude) | **Section II**<br>(CE and EM) |
|---|---|---|
| Number of Questions | 10 | 55 |
| Marks | 5 questions of 1 mark each and 5 questions of 2 marks each | 25 questions of 1 mark each and 30 questions of 2 marks each |
| Negative Marking | For 1-mark MCQ, 1/3 mark will be deducted for a wrong answer.<br>For 2-mark MCQ, 2/3 mark will be deducted for a wrong answer.<br>There will be no negative marking for MSQ & NAT. | |
| Types of Question | MCQ | MCQ, MSQ, NAT |

# Duration and Examination Type

All the papers of the GATE 2026 examination will be for 3 hours duration and they consist of 65 questions for a total of 100 marks. Since the examination is an ONLINE computer-based test (CBT), at the end of the stipulated time (3 hours), the computer screen will automatically close the examination inhibiting any further action.

Candidates will be permitted to occupy their allotted seats 40 minutes before the scheduled start of the examination. Candidates can login and start reading the instructions 20 minutes before the start of examination. The late login time (if any) recorded by the computer system MUST NOT be beyond 30 minutes from the actual examination starting time. Candidates will NOT be permitted to login after 30 minutes from the actual examination starting time. Candidates will NOT be permitted to leave the examination hall before the end of the examination.

### Pattern of Question Papers

GATE 2026 may contain questions of THREE different types in all the papers:

(i) **Multiple Choice Questions (MCQ)** carrying 1 or 2 marks each, in all the papers and sections. These questions are objective in nature, and each will have a choice of four answers, out of which ONLY ONE choice is correct.

**Negative Marking for Wrong Answers:** For a wrong answer chosen in a MCQ, there will be negative marking. For 1-mark MCQ, 1/3 mark will be deducted for a wrong answer. Likewise, for 2-mark MCQ, 2/3 marks will be deducted for a wrong answer.

(ii) **Multiple Select Questions (MSQ)** carrying 1 or 2 marks each in all the papers and sections. These questions are objective in nature, and each will have choice of four answers, out of which ONE OR MORE than one choice(s) are/correct.

**Note:** There is NO negative marking for a wrong answer in MSQ questions. However, there is NO partial credit for choosing partially correct combinations of choices or any single wrong choice.

(iii) **Numerical Answer Type (NAT)** Questions carrying 1 or 2 marks each in most of the papers and sections. For these questions, the answer is a signed real number, which needs to be entered by the candidate using the virtual numeric keypad on the monitor (keyboard of the computer will be disabled). No choices will be shown for these types of questions. The answer can be a number such as 10 or −10 (an integer only). The answer may be in decimals as well, for example, 10.1 (one decimal) or 10.01 (two decimals) or −10.001 (three decimals). These questions will be mentioned with, up to which decimal places, the candidates need to present the answer. Also, for some NAT type problems an appropriate range will be considered while evaluating these questions so that the candidate is not unduly penalized due to the usual round-off errors. Candidates are advised to do the rounding off at the end of the calculation (not in between steps). Wherever required and possible, it is better to give NAT answer up to a maximum of three decimal places.

**Note:** There is NO negative marking for a wrong answer in NAT questions. Also, there is NO partial credit in NAT questions.

# GATE Year Wise Organising Institute

| Organizing Year | Organising Institute |
|---|---|
| **2026** | IIT Guwahati |
| 2025 | IIT Roorkee |
| 2024 | **IISc Bengaluru** |
| 2023 | IIT Kanpur |
| 2022 | IIT Kharagpur |
| 2021 | IIT Bombay |
| 2020 | IIT Delhi |
| 2019 | IIT Madras |
| 2018 | IIT Guwahati |
| 2017 | IIT Roorkee |
| 2016 | IISc Bangalore |
| 2015 | IIT Kanpur |
| 2014 | IIT Kharagpur |
| 2013 | IIT Bombay |
| 2012 | IIT Delhi |
| 2011 | IIT Madras |
| 2010 | IIT Guwahati |
| 2009 | IIT Roorkee |
| 2008 | IISc Bangalore |
| 2007 | IIT Kanpur |
| 2006 | IIT Kharagpur |
| 2005 | IIT Bombay |
| 2004 | IIT Delhi |
| 2003 | IIT Madras |
| 2002 | IISc Bangalore |
| 2001 | IIT Kanpur |
| 2000 | IIT Kharagpur |
| 1999 | IIT Bombay |
| 1998 | IIT Delhi |
| 1997 | IIT Madras |
| 1996 | IISc Bangalore |
| 1995 | IIT Kanpur |

## Scholarship/ Assistantship for Postgraduate Programs

To avail the financial assistance (scholarship/ assistantship) for a postgraduate program, the candidate must first secure the admission to a program in one of the centrally funded institutes, by a procedure that could vary from institute to institute. Depending upon the norms adopted by a specific institute or department of the institute, candidates may be admitted directly into a program based on their performance in GATE only; or based on their performance in GATE and an admission test and/or interview conducted by the department to which they have applied and/or the candidate's academic record. In the test/ interview-based selection procedure, as per the MoE guidelines, a minimum of 70% weightage will be given to the performance in GATE and the remaining will be given to the candidate's performance in test/ interview and/or academic record. However, the admitting institutes could prescribe a minimum passing mark in the test/ interview.

Candidates are advised to seek the complete details of the admission procedures and the availability of MoE scholarship/assistantship from the corresponding admitting institutions. The criteria for postgraduate admission with scholarship/ assistantship varies from one institute to the other. The management of the post-graduate scholarship/ assistantship is also the responsibility of the admitting institute. Similarly, reservation of the seats for different categories will be as per the policies and norms of the admitting institution and the Government of India rules.

The admitting institute may also specify the number of candidates who will be provided financial assistance (scholarship), if admission is secured. Qualification in GATE is also a minimum requirement to apply for various fellowships awarded by many Government organizations.

Different types of scholarships and sponsorships opportunities also exist for foreign nationals. Details may be obtained from nearby Indian Mission or from the website of Indian Council for Cultural Relations.

## Use of GATE Score for Employment

In the past, several Public Sector Undertakings (PSUs) have used GATE score to shortlist the candidates for employment. A few such organizations are: Airports Authority of India (AAI), Bharat Heavy Electricals Limited (BHEL), Bharat Sanchar Nigam Limited (BSNL), Coal India Limited (CIL), Centre for Railway Information Systems (CRIS), Chenab Valley Power Projects Limited (CVPPL), Damodar Valley Corporation (DVC), Electronics Corporation of India Limited (ECIL), Engineers India Limited (EIL), Gas Authority of India Limited (GAIL), Hindustan Aeronautics Limited (HAL), Indian Oil Corporation Limited (IOCL), Mazagaon Dock Shipbuilders Limited (MDSL), National Aluminium Company Limited (NALCO), National Highways Authority of India (NHAI), NLC India Limited (NLCIL), National Mineral Development Corporation (NMDC), Nuclear Power Corporation of India Limited (NPCIL), National Thermal Power Corporation (NTPC), Oil and Natural Gas Corporation (ONGC), Odisha Power Generation Corporation Limited (OPGC), Power Grid Corporation of India Limited (POWERGRID), Power System Operation Corporation Limited (POSOCO), Rashtriya Ispat Nigam Limited (RINL), Steel Authority of India Limited (SAIL), etc.

Direct recruitment to Group-A level posts in central government, i.e., Senior Field Officer (Tele), Senior Research Officer (Crypto) and Senior Research Officer (S&T) in Cabinet Secretariat, Government of India, is now being carried out on the basis of GATE score. The details of the scheme of recruitment are normally published in National Newspapers/ Employment News/ Rozgar Samachar by the concerned authority.

Some other Government of India Organisations may also utilize GATE 2026 score for their recruitment purpose.

## GATE Score

After the evaluation of the answers, the actual (raw) marks obtained by a candidate will be considered for computing the GATE Score. For multi-session test papers, raw marks obtained by the candidates in different sessions will be converted to Normalized marks for that particular subject. Thus, raw marks (for single session test papers) or normalized marks (for multi-session test papers) will be used for computing the GATE Score, based on the qualifying marks.

### Calculation of Normalized Marks for Multi-Session Papers

In GATE 2026 examination, some test papers may be conducted in multi-sessions. For such test papers, a suitable normalisation is applied to take into account any variation in the difficulty levels of the question papers across sessions. The normalization is done based on the fundamental assumption that "in all multi-session GATE test papers, the distribution of abilities of candidates is the same across all the sessions". This assumption is justified since the number of candidates appearing in multisession test papers in GATE 2026 will be large and the procedure for allocation of session to candidates is random. Further, it is also ensured that for the same multi-session test paper, the number of candidates allotted in each session is of the same order of magnitude.

Based on the above, and considering various normalization methods, the committee arrived at the following formula for calculating the normalized marks for the multi-session papers.

The normalised marks of the $j^{th}$ candidate in the $i^{th}$ session, denoted by $\widehat{M}_{ij}$ are computed as

$$\widehat{M}_{ij} = \frac{\overline{M}_t^g - M_q^g}{\overline{M}_{ti} - M_{iq}}\left(M_{ij} - M_{iq}\right) + M_q^g$$

where,

$M_{ij}$, is the actual marks obtained by the $j^{th}$ candidate in the $i^{th}$ session;

$\overline{M}_t^g$ is the average marks of the top 0.1% of the candidates considering all sessions;

$M_q^g$ is the sum of mean and standard deviation marks of the candidates in the paper considering all sessions;

$\overline{M}_{ti}$ is the average marks of the top 0.1% of the candidates in the $i^{th}$ session; and

$\overline{M}_{iq}$ is the sum of the mean marks and standard deviation marks of the $i^{th}$ session.

## Calculation of GATE Score for All Test Papers

For all papers for which there is only one session, actual marks obtained by the candidates will be used for calculating the GATE 2026 Score. For papers in multi-sessions, normalized marks will be calculated corresponding to the raw marks obtained by a candidate and the GATE 2026 Score will be calculated based on the normalized marks.

The GATE 2025 score will be computed using the formula given below.

$$\text{GATE Score} = S_q + \left(S_t - S_q\right)\frac{M - M_q}{\overline{M_t} - M_q}$$

Where
$M$ is the marks obtained by the candidate (actual marks for single session papers and normalized marks for multi-session papers);

$M_q$ is the qualifying marks for the General Category candidate in the paper;

$\overline{M_t}$ is the mean of marks of top 0.1% or top 10 (whichever is larger) of the candidates who appeared in the paper (in case of multi-session papers including all sessions);

$S_q = 350$ is the score assigned to $M_q$ ; and

$S_t = 900$ is the score assigned to $\overline{M_t}$

In GATE 2026, the qualifying marks $(M_q)$ for the general category candidate in each subject will be

Cut-off marks for GENERAL category$= \max(25, \min(40,\ \mu + \sigma))$

Where $\mu$ denotes the mean of marks of all candidates and a denotes the standard deviation of positive marks of all the candidates who appeared for the test paper. The cut-off marks for the other categories may be calculated as per the standard ratio:

Cut-off for OBC-NCL/EWS categories = (9/10) × GENERAL cut-off
Cut-off for SC/ST/PWD categories = (2/3) × GENERAL cut-off

# GATE Civil Past Years Cut-off

| YEAR | General | OBC | SC/ST |
|---|---|---|---|
| 2024 | 28.3 | 25.4 | 18.8 |
| 2023 | 26.6 | 23.9 | 17.7 |
| 2022 | 30.4 | 27.3 | 20.2 |
| 2021 | 29.2 | 26.2 | 22.0 |
| 2020 | 32.9 | 29.6 | 21.0 |
| 2019 | 26.9 | 24.2 | 17.9 |
| 2018 | 26.9 | 24.2 | 17.9 |
| 2017 | 28.7 | 25.8 | 19.1 |
| 2016 | 25.0 | 22.5 | 16.6 |
| 2015 | 25.0 | 22.5 | 16.67 |
| 2014 | 26.57 | 23.91 | 17.71 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **General Aptitude** | | **2010** | **2011** | **2012** | **2013** | **2014** | **2015** | **2016** | **2017** | **2018** | **2019** | **2020** | **2021** | **2022** | **2023** | **2024** | **2025** |
| **1.1** | **Verbal Aptitude** | 4 | 5 | 5 | 3 | 6 | 7 | 8 | 5 | 4 | 9 | 5 | 4 | 4 | 5 | 4 | 6 |
| **1.2** | **Quantitative Aptitude** | 3 | 5 | 4 | 5 | 9 | 7 | 7 | 9 | 14 | 7 | 8 | 7 | 10 | 6 | 9 | 8 |
| **1.3** | **Analytical Aptitude** | 3 | - | 1 | 2 | 5 | 6 | 5 | 6 | 2 | 4 | 7 | 7 | 4 | 8 | 6 | 4 |
| **1.4** | **Spatial Aptitude** | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 1 | 2 |

# General Aptitude

SECTION 1

## SYLLABUS

### VERBAL APTITUDE

BASIC ENGLISH GRAMMAR: TENSES, ARTICLES, ADJECTIVES, PREPOSITIONS, CONJUNCTIONS, VERB-NOUN AGREEMENT, & OTHER PARTS OF SPEECH. BASIC VOCABULARY: WORDS, IDIOMS, & PHRASES IN CONTEXT, READING & COMPREHENSION, NARRATIVE SEQUENCING.

### QUANTITATIVE APTITUDE

DATA INTERPRETATION: DATA GRAPHS (BAR GRAPHS, PIE CHARTS, & OTHER GRAPHS REPRESENTING DATA), 2- & 3-DIMENSIONAL PLOTS, MAPS & TABLES NUMERICAL COMPUTATION & ESTIMATION: RATIOS, PERCENTAGES, POWERS, EXPONENTS & LOGARITHMS, PERMUTATIONS & COMBINATIONS, & SERIES MENSURATION & GEOMETRY ELEMENTARY STATISTICS & PROBABILITY.

### ANALYTICAL APTITUDE

LOGIC: DEDUCTION & INDUCTION, ANALOGY, NUMERICAL RELATIONS & REASONING.

### SPATIAL APTITUDE

TRANSFORMATION OF SHAPES: TRANSLATION, ROTATION, SCALING, MIRRORING, ASSEMBLING, & GROUPING PAPER FOLDING, CUTTING, & PATTERNS IN 2 & 3 DIMENSIONS

CHAPTER 1

# General Aptitude

## Unit 1.1: Verbal Aptitude

### Multiple Choice Questions (MCQ)

**[2010: 1 Mark]**

**1. Which of the following options is the closest in meaning to the word below:**
**Circuitous**
(A) cyclic (B) indirect
(C) confusing (D) crooked

**[2010: 1 Mark]**

**2. Choose the most appropriate word from the options given below to complete the following sentence: If we manage to _____ our natural resources, we would leave a better planet for our children.**
(A) uphold (B) restrain
(C) cherish (D) conserve

**[2010: 1 Mark]**

**3. Choose the most appropriate word from the options given below to complete the following sentence: His rather casual remarks on politics _____ his lack of seriousness about the subject**
(A) masked (B) belied
(C) betrayed (D) suppressed

**[2010: 2 Marks]**

**4. Modern warfare has changed from large scale clashes of armies to suppression of civilian populations. Chemical agents that do their work silently appear to be suited to such warfare; and regretfully, there exist people in military establishments who think that chemical agents are useful tools for their cause.**
**Which of the following statements best sums up the meaning of the above passage:**
(A) Modern warfare has resulted in civil strife.
(B) Chemical agents are useful in modern warfare.
(C) Use of chemical agents in warfare would be undesirable.
(D) People in military establishments like to use chemical agents in war.

**[2011: 1 Mark]**

**5. Choose the word from the options given below that is most nearly opposite in meaning to the given word:**
**Amalgamate**
(A) merge (B) split
(C) collect (D) separate

**[2011: 1 Mark]**

**6. Which of the following options is the closest in the meaning to the word below:**
**Inexplicable**
(A) Incomprehensible (B) Indelible
(C) Inextricable (D) Infallible

**[2011: 1 Mark]**

**7. Choose the most appropriate word(s) from the options given below to complete the following sentence.**
**I contemplated _____ Singapore for my vacation but decided against it.**
(A) to visit (B) having to visit
(C) visiting (D) for a visit

**[2011: 1 Mark]**

**8. Choose the most appropriate word from the options given below to complete the following sentence.**
**If you are trying to make a strong impression on your audience, you cannot do so by being understated, tentative or _____.**
(A) hyperbolic (B) restrained
(C) argumentative (D) indifferent

**[2011: 2 Marks]**

**9. Few school curricula include a unit on how to deal with bereavement and grief, and yet all students at some point in their lives suffer from losses through death and parting.**
**Based on the above passage which topic would not be included in a unit on bereavement?**
(A) how to write a letter of condolence
(B) what emotional stages are passed through in the healing process
(C) what the leading causes of death are
(D) how to give support to a grieving friend

**[2012: 1 Mark]**

**10. Choose the most appropriate alternative from the options given below to complete the following sentence:**
**Suresh's dog is the one_____ was hurt in the stampede.**
(A) that (B) which
(C) who (D) whom

**[2012: 1 Mark]**

**11. Choose the most appropriate alternative from the options given below to complete the following sentence:**

**Despite several_____ the mission succeeded in its attempt to resolve the conflict.**

(A) attempts (B) setbacks

(C) meetings (D) delegations

**[2012: 1 Mark]**

**12. Which one of the following options is the closest in meaning to the word given below?**

**Mitigate**

(A) Diminish (B) Divulge

(C) Dedicate (D) Denote

**[2012: 1 Mark]**

**13. Choose the grammatically INCORRECT sentence:**

(A) They gave us the money back less the service charges of Three Hundred rupees.

(B) This country's expenditure is not less than that of Bangladesh.

(C) The committee initially asked for a funding of Fifty Lakh rupees, but later settled for a lesser sum.

(D) This country's expenditure on educational reforms is very less.

**[2012: 2 Marks]**

**14. Wanted Temporary, Part-time persons for the post of Field Interviewer to conduct personal interviews to collect and collate economic data. Requirements: High School-pass, must be available for Day, Evening and Saturday work. Transportation paid, expenses reimbursed.**

**Which one of the following is the best inference from the above advertisement?**

(A) Gender-discriminatory

(B) Xenophobic

(C) Not designed to make the post attractive

(D) Not gender-discriminatory

**[2013: 1 Mark]**

**15. The professor ordered to the students to go out of the class**

**I II III IV**

**Which of the above underlined parts of the sentence is grammatically incorrect?**

(A) I (B) II

(C) III (D) IV

**[2013: 1 Mark]**

**16. Which of the following options is the closest in meaning to the word given below:**

**Primeval**

(A) Modern (B) Historic

(C) Primitive (D) Antique

**[2013: 1 Mark]**

**17. Friendship, no matter how ____ it is, has its limitations.**

(A) cordial (B) intimate

(C) secret (D) pleasant

**[2014: 1 Mark Set-1]**

**18. A student is required to demonstrate a high level of comprehension of the subject, especially in the social sciences.**

**The word closest in meaning to comprehension is**

(A) understanding (B) meaning

(C) concentration (D) stability

**[2014: 1 Mark Set-1]**

**19. Choose the most appropriate word from the options given below to complete the following sentence.**

**One of his biggest _____ was his ability to forgive.**

(A) vice (B) virtues

(C) choices (D) strength

**[2014: 1 Mark Set-2]**

**20. Choose the most appropriate word from the options given below to complete the following sentence.**

**A person suffering from Alzheimer's disease _____ short-term memory loss.**

(A) experienced (B) has experienced

(C) is experiencing (D) experiences

**[2014: 1 Mark Set-2]**

**21. Choose the most appropriate word from the options given below to complete the following sentence.**

**_____ is the key to their happiness; they are satisfied with what they have.**

(A) Contentment (B) Ambition

(C) Perseverance (D) Hunger

**[2014: 1 Mark Set-2]**

**22. Which of the following options is the closest in meaning to the sentence below?**

**"As a woman, I have no country."**

(A) Women have no country.

(B) Women are not citizens of any country.

(C) Women's solidarity knows no national boundaries.

(D) Women of all countries have equal legal rights.

**[2014: 2 Mark Set-2]**

**23. Moving into a world of big data will require us to change our thinking about the merits of exactitude. To apply the conventional mindset of measurement to the digital, connected world of the twenty-first century is to miss a crucial point. As mentioned earlier, the obsession with exactness is an artefact of the information-deprived analog era. When data was sparse, every data point was critical, and thus great care was taken to avoid letting any point bias the analysis.**

***From "BIG DATA" Viktor Mayer-Schonberger and Kenneth Cukier***

**The main point of the paragraph is:**

(A) The twenty-first century is a digital world
(B) Big data is obsessed with exactness
(C) Exactitude is not critical in dealing with big data
(D) Sparse data leads to a bias in the analysis

**[2015: 1 Mark]**

**24. Extreme focus on syllabus and studying for tests has become such a dominant concern of Indian students that they close their minds to anything to the requirements of the exam.**

(A) related (B) extraneous
(C) outside (D) useful

**[2015: 1 Mark]**

**25. The Tamil version of _____ John Abraham-starrer *Madras Cafe* _____ cleared by the Censor Board with no cuts last week, but the film's distributors no takers among the exhibitors for a release in Tamil Nadu _____ this Friday.**

(A) Mr., was, found, on (B) a, was, found, at
(C) the, was, found, on (D) a, being, find at

**[2015: 2 Marks]**

**26. Most experts feel that in spite of possessing all the technical skills required to be a batsman of the highest order, he is unlikely to be so due to lack of requisite temperament. He was guilty of throwing away his wicket several times after working hard to lay a strong foundation. His critics pointed out that until he addressed this problem, success at the highest level will continue to elude him**

**Which of the statement(s) below is/are logically valid and can be inferred from the above passage?**

(i) He was already a successful batsman at the highest level.
(ii) He has to improve his temperament in order to become a great batsman
(iii) He failed to make many of his good starts count.
(iv) Improving his technical skills will guarantee success.

(A) (iii) and (iv) (B) (ii) and (iii)
(C) (i), (ii) and (iii) (D) (ii) only

**[2015: 1 Mark]**

**27. Choose the most appropriate word from the options given below to complete the following sentence.**

**The official answered _____ that the complaints of the citizen would be looked into.**

(A) respectably (B) respectfully
(C) reputably (D) respectively

**[2015: 1 Mark]**

**28. Choose the statement where underlined word is used correctly.**

(A) The minister insured the victims that everything would be all right.
(B) He ensured that the company will not have to bear any loss.
(C) The actor got himself ensured against any accident.
(D) The teacher insured students of good results.

**[2015: 1 Mark]**

**29. Which word is not a synonym for the word *vernacular*?**

(A) regional (B) indigenous
(C) indigent (D) colloquial

**[2015: 2 Marks]**

**30. The word similar in meaning to 'dreary' is**

(A) cheerful (B) dreamy
(C) hard (D) dismal

**[2016: 1 Mark]**

**31. Out of the following four sentences, select the most suitable sentence with respect to grammar and usage.**

(A) I will not leave the place until the minister does not meet me.
(B) I will not leave the place until the minister doesn't meet me.
(C) I will not leave the place until the minister meet me.
(D) I will not leave the place until the minister meets me.

**[2016: 1 Mark]**

**32. A rewording of something written or spoken is a _____ .**

(A) paraphrase (B) paradox
(C) paradigm (D) paraffin

**[2016: 1 Mark]**

**33. Archimedes said, "Give me a lever long enough and a fulcrum on which to place it, and I will move the world."**

**The sentence above is an example of a _____ statement.**

(A) figurative (B) collateral
(C) literal (D) figurine

**[2016: 2 Marks]**

**34. If $\mathbf{f}(x) = 2x^7 + 3x - 5$, which of the following is a factor of $\mathbf{f}(x)$ ?**

(A) $(x^3 + 8)$ (B) $(x - 1)$
(C) $(2x - 5)$ (D) $(x + 1)$

**[2016: 2 Marks]**

**35. In a process, the number of cycles to failure decreases exponentially with an increase in load. At a load of 80 units, it takes 100 cycles for failure. When the load is halved, it takes 10000 cycles for failure. The load for which the failure will happen in 5000 cycles is _____.**

(A) 40.00 (B) 46.02
(C) 60.01 (D) 92.02

**[2016: 1 Marks]**

**36. If I were you, I_____ that laptop. It's much too expensive.**
(A) won't buy (B) shan't buy
(C) wouldn't buy (D) would buy

**[2016: 1 Marks]**

**37. He turned a deaf ear to my request.**
**What does the underlined phrasal verb mean?**
(A) ignored (B) appreciated
(C) twisted (D) returned

**[2016: 1 Marks]**

**38. Choose the most appropriate set of words from the options given below to complete the following sentence.**
**_____ is a will,_____ is a way.**
(A) Wear, there, their (B) Were, their, there
(C) Where, there, there (D) Where, their, their

**[2017: 1 Mark, Set-1]**

**39. The bacteria in milk are destroyed when it _____ heated to 80 degree Celsius.**
(A) would be (B) will be
(C) is (D) was

**[2017: 1 Mark, Set-1]**

**40. _____ with someone else's email account is now a very serious offence.**
(A) Involving (B) Assisting
(C) Tampering (D) Incubating

**[2017: 2 Mark, Set-1]**

**41. The old concert hall was demolished because of fears that the foundation would be affected by the construction of the new metro line in the area. Modern technology for underground metro construction tried to mitigate the impact of pressurized air pockets created by the excavation of large amounts of soil. But even with these safeguards, it was feared that the soil below the concert hall would not be stable.**
**From this, one can infer that**
(A) the foundations of old buildings create pressurized air pockets underground, which are difficult to handle during metro construction.
(B) Metro construction has to be done carefully considering its impact on the foundations of existing buildings.
(C) Old buildings in an area form an impossible hurdle to metro construction in that area.
(D) Pressurized air can be used to excavate large amounts of soil from underground areas.

**[2017: 1 Mark, Set-2]**

**42. The event would have been successful if you _____ able to come.**
(A) are (B) had been
(C) have been (D) would have been

**[2017: 1 Mark, Set-2]**

**43. There was no doubt that their work was thorough. Which of the words below is closest in meaning to the underlined word above?**
(A) pretty (B) complete
(C) sloppy (D) haphazard

**[2018: 1 Mark, Set-1]**

**44. "The driver applied the _____ as soon as she approached the hotel where she wanted to take a _____". The words that best fill the blanks in the above sentence are**
(A) brake, break (B) break, break
(C) brake, brake (D) break, brake

**[2018: 1 Mark, Set-1]**

**45. "It is no surprise that every society has had codes of behaviour; however, the nature of these codes is often _____. The word that best fills the blank in the above sentence is**
(A) unpredictable (B) simple
(C) expected (D) strict

**[2018: 1 Mark, Set-2]**

**46. "His face with joy when the solution of the puzzle was to him."**
**The words that best fill the blanks in the above sentence are**
(A) shone, shown (B) shone, shone
(C) shown, shone (D) shown, shown

**[2018: 1 Mark, Set-2]**

**47. "Although it does contain some pioneering ideas, one would hardly characterize the work as ."**
**The word that best fills the blank in the above sentence is**
(A) innovative (B) simple
(C) dull (D) boring

**[2019: 1 Mark, Set-1]**

**48. The lecture was attended by quite_____ students, so the hall was not very_____.**
(A) a few, quite (B) few, quiet
(C) a few, quiet (D) few, quite

**[2019: 1 Mark, Set-1]**

**49. They have come a long way in _____ trust among the users.**
(A) creating (B) created
(C) creation (D) create

**[2019: 1 Mark, Set-1]**

**50. The CEO's decision to quit was as shocking to the Board as it was to _____.**

(A) I (B) me
(C) my (D) myself

**[2019: 2 Mark, Set-1]**

**51. The new cotton technology, Bollgard-II, with herbicide tolerant traits has developed into a thriving business in India. However, the commercial use of this technology is not legal in India. Notwithstanding that, reports indicate that the herbicide tolerant but cotton had been purchased by farmers at an average of Rs 200 more than the control price of ordinary cotton, and planted in $15\%$ of the cotton growing area in the 2017 Kharif season.**

**Which one of the following statements can be inferred from the given passage?**

(A) Farmers what to access the new technology if India benefits from it
(B) Farmers want to access the new technology even if it is not legal
(C) Farmers want to access the new technology for experimental purposes
(D) Farmers want to access the new technology by paying high price

**[2019: 2 Mark, Set-1]**

**52. The increasing interest in tribal characters might be a mere coincidence, but the timing is of interest. None of this, though, is to say that the tribal hero bas arrived in Hindi cinema, or that the new crop of characters represents the acceptance of the tribal character in the industry. The films and characters are too few to be described as a pattern."**

**What does the word 'arrived' mean in the paragraph above?**

(A) reached a terminus (B) came to a conclusion
(C) attained a status (D) went to a place

**[2019: 1 Mark, Set-2]**

**53. Daytime temperatures in Delhi can _____ $40^{\circ}C$.**

(A) get (B) stand
(C) reach (D) peak

**[2019: 1 Mark, Set-2]**

**54. The growth rate of ABC Motors in 2017 Was the same_____ XYZ Motors in 2016.**

(A) as off (B) as those of
(C) as that off (D) as that of

**[2019: 1 Mark, Set-2]**

**55. Hima Das was_____ only Indian athlete to win_____ gold for India.**

(A) the, many (B) the, a
(C) an, a (D) an, the

**[2019: 2 Mark, Set-2]**

**56. "Popular Hindi fiction, despite - or perhaps because of - its wide reach, often does not appear in our cinema. As ideals that viewers are meant to look up to rather than identify with, Hindi film protagonists usually read books of aspirational value: textbooks, English books, or high value literature."**

**Which one of the following CANNOT be inferred from the paragraph above?**

(A) Though popular Hindi fiction has wide reach, it often does not appear in the movies
(B) Protagonists in Hindi movies, being ideals for viewers, read only books of aspirational value
(C) Textbooks, English books or high literature have aspirational value, but not popular Hindi fiction
(D) People do not look up to writers of textbooks, English books or high value literature

**[2020: 1 Mark, Set-1]**

**57. It is a common criticism that most of the academicians live in their _____ so, they are not aware of the real life challenges.**

(A) homes (B) ivory towers
(C) glass palaces (D) big flats

**[2020: 1 Mark, Set-1]**

**58. His hunger for reading is insatiable. He reads indiscriminately. He is most certainly a/an____ reader.**

(A) all-round (B) precocious
(C) veracious (D) wise

**[2020: 2 Mark, Set-1]**

**59. The American psychologist Howard Gardner expounds that human intelligence can be subcategorized into multiple kinds, in such a way that individuals differ with respect to their relative competence in each kind. Based on this theory, modern educationists insist on prescribing multi-dimensional curriculum and evaluation parameters that enable development and assessment of multiple intelligences.**

**Which of the following statements can be inferred from the given text?**

(A) Howard Gardner insists that the teaching curriculum and evaluation needs to be multidimensional.
(B) Howard Gardner wants to develop and assess the theory of multiple intelligences.
(C) Modem educationists want to develop and assess the theory of multiple intelligences.
(D) Modem educationists insist that the teaching curriculum and evaluation needs to be multi-dimensional.

**[2020: 1 Mark, Set-2]**

**60. Rescue teams deployed disaster hit areas combat a lot of difficulties to save the people.**

(A) with, at (B) in, with
(C) with, with (D) to, to

**[2020: 1 Mark, Set-2]**

**61. Select the most appropriate word that can replace the underlined word without changing the meaning of the sentence**:

**Now-a-days, most children have a tendency to belittle the legitimate concerns of their parents.**

(A) disparage (B) applaud
(C) reduce (D) begrudge

**[2021: 1 Mark, SET 1]**

**62. Getting to the top is**

(A) More easy (B) much easy
(C) Easiest (D) easier

**[2021: 2 Marks, SET 1]**

**63. Humans have the ability to construct worlds entirely in their minds, which don't exist in the physical world. So far as we know, no other species possesses this ability. This skill is so important that we have different words to refer to its different flavors, such as imagination, invention and innovation. Based on the above passage, which one of the following is TRUE?**

(A) No species possess the ability to construct worlds in their minds.
(B) The terms imagination, invention and innovation refer to unrelated skills
(C) We do not know of any species other than humans who possess the ability to construct mental worlds
(D) Imagination, invention and innovation are unrelated to the ability to construct mental worlds

**[2021: 1 Mark, SET 2]**

**64.** (i) Arun and Aparna are here
(ii) Arun and Aparna is here
(iii) Arun's families is here.
(iv) Arun's family is here

**Which of the above sentences are grammatically CORRECT?**

(A) (i) and (ii) (B) (i) and (iv)
(C) (ii) and (iv) (D) (iii) and (iv)

**[2021: 2 Marks, SET 2]**

**65. The author said, "Musicians rehearse before their concerts. Actors rehearse their roles before the opening of a new play. On the other hand, I find it strange that many public speakers think they can just walk on to the stage and start speaking. In my opinion, it is no less important for public speakers to rehearse their talks." Based on the above passage, which one of the following is TRUE?**

(A) The author is of the opinion that rehearsing is important for musicians, actors and public speakers.
(B) The author is of the opinion that rehearsing is less important for public speakers than for musicians and actors.
(C) The author is of the opinion that rehearsing is more important only for musicians than public speakers
(D) The author is of the opinion that rehearsal is more important for actors than musicians

**[2022: 1 Mark, SET 1]**

**66. You should_____ when to say_____.**

(A) no / no (B) no / know to say
(C) know / know (D) know / no

**[2022: 2 Marks, SET 1]**

**67. Healthy eating is a critical component of healthy aging. When should one start eating healthy? It turns out that it is never too early. For example, babies who start eating healthy in the first year are more likely to have better overall health as they get older which one of the following is the CORRECT logical inference based on the information in the above passage?**

(A) Healthy eating is important for those with good health conditions, but not for others
(B) Eating healthy can be started at any age, earlier the better
(C) Eating healthy and better overall health are more correlated at a young age, but not older age
(D) Healthy eating is more important for adults than kids

**[2022: 1 Mark, SET 2]**

**68. The movie was funny and I_____.**

(A) Could help laughing
(B) Couldn't help laughed
(C) Couldn't help laughing
(D) Could helped laughed

**[2022: 2 Marks, SET 2]**

**69. In the last few years, several new shopping malls were opened in the city. The total number of visitors in the malls is impressive. However, the total revenue generated through sales in the shops in these malls is generally low Which one of the following is the CORRECT logical inference based on the information in the above passage?**

(A) Fewer people are visiting the malls but spending more
(B) More people are visiting the malls but not spending enough
(C) More people are visiting the malls and spending more
(D) Fewer people are visiting the malls and not spending enough

**[2023: 1 Mark Set-1]**

**70. ''I have not yet decided what I will do this evening; I_____ visit a friend."**

(A) mite (B) would
(C) might (D) didn't

**[2023: 2 Mark Set-1]**

**71. The James Webb telescope, recently launched in space, is giving humankind unprecedented access to the depths of time by imaging very old stars formed almost 13 billion years ago. Astrophysicists and cosmologists believe that this odyssey in space may even shed light on the existence of dark matter. Dark matter is supposed to interact only via the gravitational interaction and not through the electromagnetic-, the weak- or the strong-interaction. This may justify the epithet "dark" in dark matter.**

**Based on the above paragraph, which one of the following statements is FALSE?**

(A) No other telescope has captured images of stars older than those captured by the James Webb telescope.
(B) People other than astrophysicists and cosmologists may also believe in the existence of dark matter.
(C) The James Webb telescope could be of use in the research on dark matter.
(D) If dark matter was known to interact via the strong-interaction, then the epithet "dark" would be justified.

**[2023:1 Mark Set-2]**

**72. The line ran_____ the page, right through the centre, and divided the page into two.**

(A) across (B) of
(C) between (D) about

**[2023:2 Mark Set-2]**

**73. Based only on the following passage, which one of the options can be inferred with certainty? When the congregation sang together, Apenyo would also join, though her little screams were not quite audible because of the group singing. But whenever there was a special number, trouble would begin; Apenyo would try singing along, much to the embarrassment of her mother. After two or three such mortifying Sunday evenings, the mother stopped going to church altogether until Apenyo became older and learnt to behave.**

**At home too, Apenyo never kept quiet; she hummed or made up silly songs to sing by herself, which annoyed her mother at times but most often made her become pensive. She was by now convinced that her daughter had inherited her love of singing from her father who had died unexpectedly away from home.**

**[Excerpt from These Hills Called Home by Temsula Ao]**

(A) The mother was embarrassed about her daughter's singing at home
(B) The mother's feelings about her daughter's singing at home were only of annoyance.
(C) The mother was not sure if Apenyo had inherited her love of singing from her father.
(D) When Apenyo hummed at home, her mother tended to become thoughtful.

**[2023:2 Mark Set-2]**

**74. If x satisfies the equation $4^{8^x} = 256$, then x is equal to _____.**

(A) $\frac{1}{2}$ (B) $\log_{16} 8$
(C) $\frac{2}{3}$ (D) $\log_4 8$

**[2024: 1 Mark set 1]**

**75. If→ denotes increasing order of intensity, then the meaning of the words [simmer → seethe→ smolder] is analogous to [break → raze → _____]. Which one of the given options is appropriate to fill the blank?**

(A) obfuscate (B) obliterate
(C) fracture (D) fissure

**[2024: 2 Mark set 1]**

**76. In the given text, the blanks are numbered (i)-(iv). Select the best match for all the blanks.**

**From the ancient Athenian arena to the modern Olympic stadiums, athletics _____(i)_____ the potential for a spectacle. The crowd _____(ii)_____ with bated breath as the Olympian artist twists his body, stretching the javelin behind him. Twelve strides in, he begins to cross-step. Six cross-steps _____(ii)_____in an abrupt stop on his left foot. As his body _____(iv)_____ like a door turning on a hinge, the javelin is launched skyward at a precise angle.**

(A) (i) hold (ii) waits (iii) culminates (iv) pivot
(B) (i) holds (ii) wait (iii) culminates (iv) pivot
(C) (i) hold (ii) wait (iii) culminate (iv) pivots
(D) (i) holds (ii) waits (iii) culminate (iv) pivots

**[2024: 1 Mark Set 2]**

**77. If '→' denotes increasing order of intensity, then the meaning of the words [drizzle → rain → downpour] is analogous to [_____→ quarrel → feud].**

**Which one of the given options is appropriate to fill the blank?**

(A) bicker (B) bog
(C) dither (D) dodge

**[2024: 2 Mark Set 2]**

**78. In the given text, the blanks are numbered (i)-(iv). Select the best match for all the blanks.**

Yoko Roi stands_____(i)_____as an author for standing_____(ii)_____as an honorary fellow, after she stood_____(iii)_____her writings that stand_____(iv)_____the freedom of speech.

(A) (i) out (ii) down (iii) in (iv) for
(B) (i) down (ii) out (iii) by (iv) in
(C) (i) down (ii) out (iii) for (iv) in
(D) (i) out (ii) down (iii) by (iv) for

**[2025: 1 Mark Set 1]**

**79. Is there any good show _____ television tonight?**

**Select the most appropriate option to complete the above sentence.**

(A) in (B) at
(C) within (D) on

**[2025: 1 Mark Set 1]**

**80. As the police officer was found guilty of embezzlement, he was _____ dismissed from the service in accordance with the Service Rules.**

**Select the most appropriate option to complete the above sentence.**

(A) sumptuously (B) brazenly
(C) unintentionally (D) summarily

**[2025: 2 Mark Set 1]**

**81. "Why do they pull down and do away with crooked streets, I wonder, which are my delight, and hurt no man living? Every day the wealthier nations are pulling down one or another in their capitals and their great towns: they do not know why they do it; neither do I. It ought to be enough, surely, to drive the great broad ways which commerce needs and which are the life-channels of a modern city, without destroying all history and all the humanity in between: the islands of the past." (From Hilaire Belloc's "The Crooked Streets")**

**Based only on the information provided in the above passage, which one of the following statements is true?**

(A) The author of the passage takes delight in wondering.
(B) The wealthier nations are pulling down the crooked streets in their capitals.
(C) In the past, crooked streets were only built on islands.
(D) Great broad ways are needed to protect commerce and history.

**[2025: 1 Mark Set 2]**

**82. Even though I had planned to go skiing with my friends, I had to _____ at the last moment because of an injury.**

**Select the most appropriate option to complete the above sentence.**

(A) back up (B) back of
(C) back on (D) back out

**[2025: 1 Mark Set 2]**

**83. The President, along with the Council of Ministers, _____ to visit India next week.**

**Select the most appropriate option to complete the above sentence.**

(A) wish (B) wishes
(C) will wish (D) is wishing

**[2025: 2 Mark Set 2]**

**84. "His life was divided between the books, his friends, and long walks. A solitary man, he worked at all hours without much method, and probably courted his fatal illness in this way. To his own name there is not much to show; but such was his liberality that he was continually helping others, and fruits of his erudition are widely scattered, and have gone to increase many a comparative stranger's reputation." (From E.V. Lucas's "A Funeral")**

**Based only on the information provided in the above passage, which one of the following statements is true?**

(A) The solitary man described in the passage is dead.
(B) Strangers helped create a grand reputation for the solitary man described in the passage.
(C) The solitary man described in the passage found joy in scattering fruits.
(D) The solitary man worked in a court where he fell ill.

| ANSWER KEY | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **Multiple Choice Questions (MCQ)** | | | | | | | | | |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| B | D | C | C | A | A | C | B | C | A |
| **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| B | A | D | D | B | C | B | A | B | D |
| **21** | **22** | **23** | **24** | **25** | **26** | **27** | **28** | **29** | **30** |
| A | C | C | B | C | B | B | B | C | D |
| **31** | **32** | **33** | **34** | **35** | **36** | **37** | **38** | **39** | **40** |
| D | A | A | B | B | C | A | C | C | C |
| **41** | **42** | **43** | **44** | **45** | **46** | **47** | **48** | **49** | **50** |
| B | B | B | A | A | A | A | C | A | B |
| **51** | **52** | **53** | **54** | **55** | **56** | **57** | **58** | **59** | **60** |
| B | C | C | D | B | B,D | B | C | D | B |
| **61** | **62** | **63** | **64** | **65** | **66** | **67** | **68** | **69** | **70** |
| A | D | C | B | A | D | B | C | B | C |
| **71** | **72** | **73** | **74** | **75** | **76** | **77** | **78** | **79** | **80** |
| D | A | D | C | B | D | A | D | D | D |
| **81** | **82** | **83** | **84** | | | | | | |
| B | D | B | A | | | | | | |

## EXPLANATIONS

### Multiple Choice Questions (MCQ)

**1. Explanation: (B)** Circuitous means round about or not direct. Indirect is closest in meaning to this circuitous.

**2. Explanation: (D)** The correct statement is:
If we manage to **conserve** our natural resources, we would leave a better planet for our children.

**3. Explanation: (C)** Betrayed means to reveal something unintentionally or accidentally that fits well with the given context.
Hence option (C) is correct.

**4. Explanation: (C)** The statement that best sums up the meaning of the passage is:
(C) Use of chemical agents in warfare would be undesirable. The passage discusses the shift in modern warfare towards targeting civilian populations and mentions the regrettable fact that some people see chemical agents as useful in this context. The passage implies that the use of chemical agents is problematic and undesirable.

**5. Explanation: (A)** The word most nearly opposite in meaning to "Amalgamate" is split. "Amalgamate" means to combine or unite, while "split" means to divide or separate into parts, making them antonyms.

**6. Explanation: (A)** "Inexplicable" refers to something that cannot be explained or accounted for, and "incomprehensible" means something that cannot be understood, making them synonymous.

**7. Explanation: (C)** "I contemplated **visiting** Singapore for my vacation but decided against it."The verb "contemplated" is usually followed by a gerund (a verb ending in -ing), so "visiting" fits grammatically and conveys the intended meaning.

**8. Explanation: (B)** Understated, tentative, and restrained all suggest holding back or being limited in expression. If you're trying to make a strong impression, being restrained would contradict that goal, just like being understated or tentative.

**9. Explanation: (C)** 'What the leading causes of death are ' is not typically included in a bereavement unit. Bereavement education focuses on coping with loss, understanding emotional stages, and supporting others. Writing condolence letters and providing support are practical skills related to grief. Understanding causes of death is more about medical information and doesn't address the emotional aspects of bereavement.

**10. Explanation: (A)** When referring to animals in relative clauses, **"that"** is generally used for specificity. "Who" and "whom" are typically used for people, while "which" is generally used for objects or when the animal is not being referred to personally. Hence, the sentence should read: "Suresh's dog is the one **that** was hurt in the stampede."

**11. Explanation: (B)** "Setbacks" appropriately contrasts with the mission's success, indicating challenges overcome. The other options don't convey this opposing relationship effectively.

**12. Explanation: (A)** "Mitigate" means to make something less severe or intense, which is synonymous with "diminish." The other options do not share this meaning.

**13. Explanation: (D)** The usage of 'less' is wrong in option 4. 'Less' is generally used as a way of comparing two quantities or amounts. Here, the word 'less' needs to be replaced with the words 'little' or 'low'.

**14. Explanation: (D)** The advertisement uses gender-neutral terms like "persons" without specifying any gender.

There are no requirements that exclude any gender. Therefore, it is not gender-discriminatory.

**15. Explanation: (B)** The correct phrase should be **"The professor ordered the students to go out of the class"**, without "to." The verb "ordered" directly takes an object (the students) without the preposition "to."

**16. Explanation: (C)** The word primeval means ancient, primitive, or relating to the earliest ages in the history of the world. It refers to something that is original or ancient in nature.

Options:

**(A) Modern:** Opposite in meaning, so incorrect.

**(B) Historic:** Refers to something important in history but not necessarily ancient, so incorrect.

**(C) Primitive:** Correct, as it aligns with the meaning of primeval.

**(D) Antique:** Refers to something old but usually valuable or collectible, not specifically ancient in the sense of primeval.

Correct Answer: (C) Primitive

**17. Explanation: (B)** The sentence implies that even the closest and most personal friendships have their boundaries, making "intimate" the most appropriate word.

**18. Explanation: (A)**

- **Comprehension** refers to the ability to grasp or understand something, especially in the context of a subject or concept.
- **Understanding** directly matches this meaning, as it refers to the ability to interpret or grasp the meaning of something.

**19. Explanation: (B)** The most appropriate word to complete the sentence is: **virtues**

- **Virtues** refers to positive qualities or traits, such as the ability to forgive, which is often considered a virtue.
- **Vice** refers to a bad habit or immoral behavior, which would not fit the context of the sentence.
- **Choices** refers to decisions or options, which doesn't fit the context of the sentence either.
- **Strength** could be an appropriate word in some contexts, but "virtue" is a more fitting term when referring to positive qualities such as the ability to forgive.

**20. Explanation: (D)** The sentence talks about a general or ongoing condition, which is a present tense situation. "A person suffering from Alzheimer's disease" implies a current or general state, so the present simple tense "experiences" is the most appropriate choice to describe the ongoing effect of Alzheimer's disease on short-term memory.

The correct sentence would be: **"A person suffering from Alzheimer's disease experiences short-term memory loss."**

**21. Explanation: (A)** The sentence suggests that the people are satisfied with what they have, which aligns with the concept of contentment. Contentment refers to a state of being happy and satisfied with what one has, which fits the context of the sentence.

The correct sentence would be: **"Contentment is the key to their happiness; they are satisfied with what they have."**

**22. Explanation: (C)** The phrase "As a woman, I have no country" expresses the idea that the speaker, as a woman, feels a sense of solidarity with women from all countries, transcending national boundaries. It conveys a sense of universal unity among women, regardless of their nationality or country.

The correct sentence meaning is about the shared experience and unity of women beyond national borders, which is best captured by **(C)**.

**23. Explanation: (C) Exactitude is not critical in dealing with big data.**

The paragraph discusses how the obsession with exactness stems from an earlier era when data was sparse. In the context of big data, with abundant information available, the same level of exactitude is not necessary or relevant. This shifts the focus away from exactness to other aspects of data analysis.

**24. Explanation: (B)** The sentence suggests that Indian students focus so much on their syllabus and tests that they ignore anything that is not directly relevant to the exam. Among the options:

**(A) related:** This does not fit because it implies the opposite of what the sentence is trying to convey.

**(B) extraneous:** This means "irrelevant" or "not pertinent," which aligns with the intended meaning.

**(C) outside:** While it might seem plausible, "outside" does not convey the same precise sense of irrelevance as "extraneous."

**(D) useful:** This contradicts the sentence because "useful" would imply relevance, not ignorance.
Thus, "extraneous" is the most suitable choice.
The correct answer is: (B) extraneous.

**25. Explanation: (C)**

1. "The Tamil version of *something John Abraham-starrer Madras Cafe"*
   The appropriate article here is "the" because it refers to a specific Tamil version of the movie.
2. "was cleared by the Censor Board with no cuts last week"
   The past tense "was" is correct because the clearing by the Censor Board happened in the past.
3. "but the film's distributors *something no takers among the exhibitors"*
   The verb "found" is correct to indicate that the distributors discovered no exhibitors willing to take the movie.
4. "for a release in Tamil Nadu *something this Friday."*
   The preposition "on" is correct to specify the day of the release.

Thus, the complete sentence is:
"The Tamil version of the John Abraham-starrer Madras Cafe was cleared by the Censor Board with no cuts last week, but the film's distributors found no takers among the exhibitors for a release in Tamil Nadu on this Friday."
The correct answer is: (C) the, was, found, on.

**26. Explanation: (B)**

(i) He was already a successful batsman at the highest level.
This is not valid. The passage suggests that he has the technical skills to be a top batsman but lacks the temperament, and success at the highest level continues to elude him. This indicates he is not yet a successful batsman at the highest level.

(ii) He has to improve his temperament in order to become a great batsman.
This is valid. The passage explicitly states that his lack of temperament is preventing him from achieving success at the highest level.

(iii) He failed to make many of his good starts count.
This is valid. The passage mentions that he was guilty of throwing away his wicket several times after laying a strong foundation, indicating that he failed to capitalize on good starts.

(iv) Improving his technical skills will guarantee success.
This is not valid. The passage does not claim that improving technical skills alone will guarantee success. In fact, it emphasizes the importance of temperament rather than technical skills.
The correct answer is: (B) (ii) and (iii).

**27. Explanation: (B)**

- Respectfully means showing respect or politeness, which fits the context of the sentence where the official is addressing complaints with courtesy.
- Respectably refers to a manner that is socially acceptable or respectable.
- Reputably refers to having a good reputation.
- Respectively is used when referring to items in the order in which they were mentioned, which does not apply here.

Thus, the sentence should read:
The official answered respectfully that the complaints of the citizen would be looked into.
The correct answer is (B) respectfully.

**28. Explanation: (B)**

- Ensured means to make certain that something will happen or be the case. In option (B), the sentence correctly uses "ensured" to indicate that the person made sure that the company will not bear any loss.

**Incorrect options:**

(A) The minister insured the victims that everything would be all right.
"Insured" should not be used in this context. The correct word is "assured," as it means to make someone feel certain about something.

(C) The actor got himself ensured against any accident.
"Ensured" is incorrect here. The correct word should be "insured," which refers to protecting against risks or accidents with an insurance policy.

(D) The teacher insured students of good results.
Again, "insured" is incorrect. The correct word is "assured," meaning the teacher made the students confident of good results.
The correct answer is (B) He ensured that the company will not have to bear any loss.

**29. Explanation: (C)**

- Vernacular refers to the language or dialect spoken by ordinary people in a particular region or country.
- Regional means related to a specific region, which is a synonym for vernacular.
- Indigenous refers to something native or originating in a particular place, which can be used in the context of a vernacular language.

- Colloquial refers to informal or everyday language, which is often used in the context of vernacular speech. However, indigent means poor or lacking the basic necessities of life, which is unrelated to the meaning of "vernacular." The correct answer is (C) indigent.

**30. Explanation: (D)** The word "dreary" means something that is dull, bleak, or depressing in appearance or atmosphere.
The word most similar in meaning to "dreary" is "dismal", which also conveys a sense of sadness or bleakness.
Therefore, the correct answer is (D) dismal.

**31. Explanation: (D)**
**(A)**: Incorrect. The use of "does not" is redundant and grammatically incorrect in this context.
**(B)**: Incorrect. The contraction "doesn't" introduces the same redundancy as "does not" in Option (A).
**(C)**: Incorrect. The verb "meet" should be in its singular form "meets" because the subject "minister" is singular.
**(D)**: Correct. The sentence uses proper grammar and verb agreement. The singular subject "minister" pairs correctly with the singular verb "meets."

**32. Explanation: (A)**
**Paraphrase**: A rewording of something written or spoken while keeping the original meaning intact. This matches the definition in the question.
**Paradox**: A statement or situation that appears contradictory or absurd but might contain a hidden truth.
**Paradigm**: A framework or example that serves as a model or pattern.
**Paraffin**: A waxy substance often used in candles or as a lubricant.
Thus, **paraphrase** is the most suitable answer.

**33. Explanation: (A)**
**Figurative**: The sentence is not meant to be taken literally; it uses a metaphor to illustrate the power of leverage and positioning. Archimedes is not suggesting he can literally move the world, but rather that with the right tools, extraordinary feats can be achieved.

**34. Explanation: (B)**
If $(x-a)$ is a factor of $f(x)$, then $f(a)=0$.
For $x-1$ to be a factor, we calculate $f(1)$:$f(1)=2(1)^7+3(1)-5=2+3-5=0$
Since $f(1)=0$, $x-1$ is a factor.

**35. Explanation: (B)**
We are given two conditions:
1. At $L=80$, $N=100$ cycles.
2. At $L=40$, $N=10000$ cycles.

From these conditions, we can form two equations:
$100=A\cdot e^{B\cdot 40}$ ……1
$10000=A\cdot e^{B\cdot 40}$ ……2
$$\frac{10000}{100}=\frac{A\cdot e^{B\cdot 40}}{A\cdot e^{B\cdot 80}}$$
$100=e^{B\cdot(40-80)}$
$100=e^{-40B}$
Taking the natural logarithm on both sides:
$\ln(100)=-40B$
$\ln(100)=4.605 \Rightarrow 4.605=-40B$
$$B=-\frac{4.605}{40}=-0.115125$$
Substitute $B$ back into Equation 1:
$100=A\cdot e^{B\cdot 80}$
$100=A\cdot e^{-0.115125\cdot 80}$
$100=A\cdot e^{-9.210}$
$100=A\cdot 0.000100$
$$A=\frac{100}{0.000100}=1000000$$
Now, we want to find the load $L$ for which $N=5000$ cycles. Using the equation $N=A\cdot e^{B\cdot L}$:
$5000=1000000\cdot e^{-0.115125\cdot L}$
$$\frac{5000}{1000000}=e^{-0.115125\cdot L}$$
$0.005=e^{-0.115125\cdot L}$
Taking the natural logarithm on both sides:
$\ln(0.005)=-0.115125\cdot L$
$-5.2983=-0.115125\cdot L$
$$L=\frac{5.2983}{0.115125}\approx 46.02$$

**36. Explanation: (C)** The sentence follows the structure of a **second conditional** sentence. The second conditional is used for hypothetical or unreal situations. The correct form in such cases involves:
- **If + past simple** (in this case, "If I were you") + **would** (or the negative form **wouldn't**) + **verb** (in this case, "buy").

So, the sentence should read: **"If I were you, I wouldn't buy that laptop. It's much too expensive."**

**37. Explanation: (A)** The phrase **"turned a deaf ear"** is an idiomatic expression meaning to **ignore** something or someone, especially when the person is deliberately not paying attention to a request or appeal.
In this context, the person is ignoring the request.

**38. Explanation: (C)** The sentence is a variation of the well-known phrase: "Where there's a will, there's a way." This is a proverb meaning that if someone is determined to do something, they will find a way to do it.

- Where indicates the place or situation.
- Their is the correct possessive form of "they," referring to something belonging to them.

So, the correct sentence would be: "Where there's a will, there's a way."

**39. Explanation: (C)** The sentence is in the present tense and describes a general fact. In such cases, the simple present tense is used, so the verb **"**is**"** fits correctly.

The correct sentence would be:

The bacteria in milk are destroyed when it **is** heated to 80 degrees Celsius.

The correct answer is: (C) is

**40. Explanation: (C)** The sentence discusses an action involving improper or unauthorized interference with someone else's email account, which is considered a serious offense. The word "tampering" aptly describes this action.

The correct sentence would be:

Tampering with someone else's email account is now a very serious offense.

The correct answer is: (C) Tampering

**41. Explanation: (B)** Analyzing the Options:

(A) The foundations of old buildings create pressurized air pockets underground, which are difficult to handle during metro construction.

- The passage mentions pressurized air pockets caused by soil excavation, not by the foundations of old buildings.
- Incorrect.

(B) Metro construction has to be done carefully considering its impact on the foundations of existing buildings.

- The passage emphasizes the need for caution during metro construction to avoid destabilizing existing buildings, as highlighted by the concert hall demolition.
- Correct.

(C) Old buildings in an area form an impossible hurdle to metro construction in that area.

- The concert hall was demolished as a precaution, but the passage does not suggest that old buildings are always an impossible hurdle to metro construction.
- Incorrect.

(D) Pressurized air can be used to excavate large amounts of soil from underground areas.

- The passage mentions pressurized air pockets as a by-product of soil excavation but does not suggest that pressurized air is used for excavation.
- Incorrect.

Correct Answer:

(B) Metro construction has to be done carefully considering its impact on the foundations of existing buildings.

**42. Explanation: (B)** The sentence uses a third conditional structure, which is used to talk about hypothetical situations in the past. The correct form for this type of conditional is "had + past participle." So, the sentence would be:

"The event would have been successful if you had been able to come."

The correct answer is: (B) had been

**43. Explanation: (B)** The word "thorough" means something that is done in a very detailed and complete manner. Therefore, "complete" is the closest in meaning to "thorough." The correct answer is: (B) complete

**44. Explanation: (A)** The first blank refers to the "brake," which is a device used to slow down or stop a vehicle.

The second blank refers to "break," meaning a pause or rest.

**45. Explanation: (A)** The sentence suggests that while societies have codes of behavior, the nature of these codes can vary or change, which implies something that is **unpredictable**.

**46. Explanation: (A)** "His face **shone** with joy" means that his face **radiated** or **expressed** joy, which is the appropriate usage of "shone."

"The solution of the puzzle was **shown** to him" means that the solution was **presented** or **displayed** to him, which is the correct usage of "shown."

**47. Explanation: (A)** The sentence suggests that the work contains some pioneering ideas, but it would not be characterized as something very remarkable or groundbreaking. The word "innovative" fits best because it refers to new or creative ideas, which aligns with the mention of "pioneering ideas" in the sentence.

**48. Explanation: (C)**

- "A few": This phrase indicates a small number of students attended, but it is positive, meaning some students were present.

- "Quiet": Refers to the lack of noise in the hall, fitting the context since fewer attendees likely made the hall quieter.

  The sentence becomes:

  "The lecture was attended by quite a few students, so the hall was not very quiet."

  The correct answer is: (C) a few, quiet

**49. Explanation: (A)**

- The sentence requires a gerund (the -ing form of a verb) because "in" is followed by an activity or process.
- "Creating trust among the users" fits correctly as it describes the ongoing process of building trust.

  The complete sentence reads:

  "They have come a long way in creating trust among the users."

  The correct answer is: (A) creating

**50. Explanation: (B)** In this sentence, the correct pronoun to use after the preposition "to" is the objective case "me."

The complete sentence reads:

"The CEO's decision to quit was as shocking to the Board as it was to me."

Why not the others?

(A) I: Incorrect because "I" is used for the subject of a sentence, not as the object of a preposition.

(C) my: Incorrect because "my" is a possessive pronoun, not suitable here.

(D) myself: Incorrect because "myself" is a reflexive pronoun used when the subject and object are the same, which is not the case here.

The correct answer is**: (**B) me

**51. Explanation: (B)** The passage highlights that farmers are purchasing and planting herbicide-tolerant But cotton despite its commercial use being illegal in India. This demonstrates their willingness to adopt the technology, regardless of its legal status.

Why not the other options?

(A): Incorrect. The passage does not mention whether India as a whole benefits from the technology. The focus is on farmers' actions.

(C): Incorrect. There is no mention in the passage that farmers are accessing the technology purely for experimental purposes.

(D): Incorrect. While the passage mentions that farmers are paying more, it does not suggest that price is the primary driver for their decision. The emphasis is on their willingness to use it despite its illegality.

Thus, (B) aligns best with the passage.

The correct answer is:

(B) Farmers want to access the new technology even if it is not legal

**52. Explanation: (C)** In the context of the paragraph, "arrived" refers to achieving recognition, prominence, or acceptance within Hindi cinema. The paragraph discusses how tribal characters are appearing in films but notes that they have not yet become a significant or accepted trend in the industry. Thus, "arrived" here means "attained a status."

Why not the other options?

(A): "Reached a terminus" implies reaching an end point, which does not fit the context.

(B): "Came to a conclusion" does not align with the idea of recognition or acceptance.

(D): "Went to a place" is a literal interpretation of "arrived," but it does not match the metaphorical use in this paragraph.

Hence, (C) attained a status is the most appropriate choice.

The correct answer is: (C) attained a status.

**53. Explanation: (C)**

- The word "reach" is commonly used to indicate the maximum or extreme value that something can attain, such as temperature. In this case, "reach" fits perfectly to describe how the daytime temperatures in Delhi can go up to 40°C.

  The sentence would be:

  "Daytime temperatures in Delhi can reach 40°C."

  Why not the other options?

**(A) get:** While "get" can sometimes be used, it is less precise than "reach" when describing temperatures.

**(B) stand:** "Stand" is not used in this context when referring to temperature.

**(D) peak:** "Peak" refers to the highest point of something, but it would usually be used as a noun, not a verb, in this context.

The correct answer is: (C) reach

**54. Explanation: (D)** The phrase "as that of" is the correct structure to compare the growth rates of ABC Motors in 2017 and XYZ Motors in 2016. The word "that" refers to the growth rate, and "of" indicates possession (the growth rate of XYZ Motors).

The sentence would be:

"The growth rate of ABC Motors in 2017 was the same as that of XYZ Motors in 2016."

Why not the other options?

(A) as off: This is grammatically incorrect.
(B) as those of: This would suggest comparing more than one thing, but we are comparing just one growth rate to another.
(C) as that off: "Off" is incorrect in this context; it should be "of."
The correct answer is: (D) as that of

**55. Explanation: (B)**

- "the" is used because Hima Das is being referred to as a specific individual, the only Indian athlete in this case.
- "a" is used because the sentence is talking about winning a single gold for India, and "gold" is being used in the singular form.

The sentence would read:
"Hima Das was the only Indian athlete to win a gold for India."
Why not the other options?
(A) the, many: "Many" is incorrect because it refers to more than one, but the sentence is talking about one gold.
(C) an, a: "An" is incorrect because "Indian" begins with a vowel sound, and "the" should be used for a specific reference.
(D) an, the: "An" is incorrect for the same reason as above, and "the" should be used for a specific individual, not "a" gold.
The correct answer is: (B) the, a

**56. Explanation: (B), (D)** Let's analyze each option based on the information given in the paragraph:
(A) Though popular Hindi fiction has wide reach, it often does not appear in the movies:
This is explicitly mentioned in the paragraph: "Popular Hindi fiction, despite - or perhaps because of - its wide reach, often does not appear in our cinema." This can be inferred.
(B) Protagonists in Hindi movies, being ideals for viewers, read only books of aspirational value:
The paragraph states that Hindi film protagonists "usually read books of aspirational value: textbooks, English books, or high value literature," and that they are meant to be ideals for viewers. This suggests that they read books with aspirational value, but it does not claim that they read "only" such books. However, the inference holds that they primarily read aspirational books.
(C) Textbooks, English books or high literature have aspirational value, but not popular Hindi fiction:
The paragraph compares the books that Hindi film protagonists read to popular Hindi fiction. It suggests that protagonists read books of "aspirational value," and the absence of popular Hindi fiction in this list implies that it does not have the same aspirational value. This can be inferred.
(D) People do not look up to writers of textbooks, English books or high value literature:
The paragraph never discusses how people view the writers of these books. It focuses on what types of books protagonists in films read, not on the public's perception of the writers. Therefore, this cannot be inferred from the paragraph.

**57. Explanation: (B)** The phrase **"ivory towers"** is commonly used to describe an isolated or disconnected world, often associated with academics or intellectuals who are perceived to be removed from the practical concerns of everyday life.

**58. Explanation: (C)** The word **"veracious"** means truthful or honest, which is not relevant in this context. Instead, the correct word is **"voracious"**, which describes someone who has an insatiable appetite for reading, learning, or consuming information.
However, the closest correct option here is **"precocious"**, which can describe someone advanced or eager in a particular area, such as reading. But without "voracious," no perfect match exists.

**59. Explanation: (D)**
(A): This is incorrect because the passage states that modern educationists are the ones insisting on multi-dimensional curricula, not Howard Gardner himself.
(B): This is incorrect because the passage does not mention that Gardner wants to develop or assess the theory; it only explains the theory.
(C): This is incorrect because modern educationists are focusing on applying Gardner's theory, not developing or assessing it.
(D): This is correct because the passage explicitly states that modern educationists emphasize the importance of a multi-dimensional curriculum and evaluation system based on Gardner's theory.

**60. Explanation: (B)** "Rescue teams deployed in disaster-hit areas combat with a lot of difficulties to save the people."
1. "Deployed in disaster-hit areas" is correct because the teams are placed within those areas.
2. "Combat with difficulties" is correct as the teams are struggling or dealing with challenges.

**61. Explanation: (A)** The underlined word "belittle" means to make something seem less important or to demean.
**Disparage** is a synonym for "belittle" and means to speak of something as unimportant or of little value.

**62. Explanation: (D)**
The sentence is written in the comparative form, and "easier" is the correct comparative form of the adjective "easy." The other options are either grammatically incorrect or do not fit the context of comparison.
The correct answer is: (D) easier

**63. Explanation: (C)**
Option Analysis:
(A) No species possess the ability to construct worlds in their minds.
- This is incorrect because the passage specifically says, "So far as we know, no other species possesses this ability," implying that we don't know of any other species having this ability, but it does not claim that no other species ever could.

(B) The terms imagination, invention and innovation refer to unrelated skills.
- This is incorrect because the passage suggests that imagination, invention, and innovation are different aspects or flavors of the same ability to construct mental worlds.

(C) We do not know of any species other than humans who possess the ability to construct mental worlds.
- This is correct and directly reflects the passage, which states that "no other species possesses this ability, so far as we know."

(D) Imagination, invention and innovation are unrelated to the ability to construct mental worlds.
- This is incorrect because the passage links these terms to the ability to construct mental worlds, implying they are related.

Correct Answer:
(C) We do not know of any species other than humans who possess the ability to construct mental worlds.

**64. Explanation: (B)**
"Family" is a collective noun and is treated as singular, so the verb "is" is correct.
The correct answer is: (iv) Arun's family is here.

**65. Explanation: (A)**
**Analysis of options:**
**Option (A):** "The author is of the opinion that rehearsing is important for musicians, actors and public speakers."
This aligns directly with the author's opinion in the passage, where it is mentioned that musicians and actors rehearse and the author finds it strange that public speakers do not.
**Option (B):** "The author is of the opinion that rehearsing is less important for public speakers than for musicians and actors."
This is incorrect because the author clearly implies that rehearsal is equally important for public speakers as it is for musicians and actors.
**Option (C):** "The author is of the opinion that rehearsing is more important only for musicians than public speakers."
This is incorrect because the author does not prioritize rehearsal for musicians over public speakers. Instead, the author argues that public speakers should rehearse just as much as musicians and actors.
**Option (D):** "The author is of the opinion that rehearsal is more important for actors than musicians."
This is incorrect because the author does not suggest that rehearsal is more important for actors than musicians.
**Correct answer:**
(A) The author is of the opinion that rehearsing is important for musicians, actors and public speakers.

**66. Explanation: (D)** "You should **know** when to say **no**."
- The first blank requires "know" because it means being aware or understanding something.
- The second blank requires "no" because it refers to a refusal or denial.

**67. Explanation: (B)** The key idea is that healthy eating should start as early as possible, but it is beneficial at any age. This aligns with option (B): Eating healthy can be started at any age, earlier the better.

**68. Explanation: (C)** The phrase "couldn't help laughing" is the correct grammatical structure. It means the speaker was unable to stop themselves from laughing because the movie was funny.

**69. Explanation: (B)** The passage states:
- Several new shopping malls have opened in the city.
- The total number of visitors in the malls is impressive.
- However, the total revenue generated through sales in the shops is generally low.

This suggests that while more people are visiting the malls, the spending by these visitors is insufficient to generate high revenue.

The correct inference is that more people are visiting the malls but not spending enough.

**70. Explanation: (C)** The correct answer is (C) might.
The sentence would read: "I have not yet decided what I will do this evening; I might visit a friend."
"Might" is used to indicate a possibility or uncertainty about future action, which fits the context of the sentence.

**71. Explanation: (D)**

(A) No other telescope has captured images of stars older than those captured by the James Webb telescope.

- This statement is true based on the paragraph, which implies that the James Webb telescope has provided access to images of stars formed almost 13 billion years ago, suggesting that no other telescope has done so.

(B) People other than astrophysicists and cosmologists may also believe in the existence of dark matter.

- This statement is true. The paragraph mentions astrophysicists and cosmologists believing in dark matter, but it does not imply that only they can believe in its existence. In fact, the general public might also believe in it, given its widespread discussion in science.

(C) The James Webb telescope could be of use in the research on dark matter.

- This statement is true. The paragraph suggests that the James Webb telescope's work in space could shed light on dark matter, indicating its potential use in research on this topic.

(D) If dark matter was known to interact via the strong-interaction, then the epithet "dark" would be justified.

- This statement is false. The paragraph explains that dark matter is "dark" because it does not interact via the electromagnetic, weak, or strong interactions. If dark matter interacted via the strong interaction, it would not be "dark" because the strong force is a well-known interaction, and it would be detectable through those interactions, making the "dark" label inappropriate.

**The false statement is:**

(D) If dark matter was known to interact via the strong-interaction, then the epithet "dark" would be justified.

**72. Explanation: (A)** The correct option is:

(A) across

So, the complete sentence would be:
"The line ran across the page, right through the centre, and divided the page into two."
This is because "across" suggests that the line spans from one side to the other, which fits the context of dividing the page into two parts.

**73. Explanation: (D)** Evaluating the options:

(A) The mother was embarrassed about her daughter's singing at home.

- The passage mentions that the mother was annoyed or became thoughtful at home but does not say she was embarrassed about Apenyo's singing at home.
- This cannot be inferred.

(B) The mother's feelings about her daughter's singing at home were only of annoyance.

- The passage explicitly states that her mother was sometimes annoyed but most often became thoughtful about Apenyo's singing at home.
- This cannot be inferred.

(C) The mother was not sure if Apenyo had inherited her love of singing from her father.

- The passage clearly states that the mother was convinced that Apenyo had inherited her love of singing from her father.
- This cannot be inferred.

(D) When Apenyo hummed at home, her mother tended to become thoughtful.

- The passage explicitly states that Apenyo's singing most often made her mother become pensive (thoughtful).
- This can be inferred.

**Correct Answer:**

(D) When Apenyo hummed at home, her mother tended to become thoughtful.

**74. Explanation: (C)** We are solving the equation:

$$4^{8^x} = 256$$

We know that: $256 = 4^4$

So the equation becomes:

$$4^{8^x} = 4^4$$

Since the bases are the same, we equate the exponents:

$$8^x = 4$$

We know $8 = 2^3$ and $4 = 2^2$, so the equation becomes:

$$(2^3)^x = 2^2$$

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

Correct Answer: (C) $\frac{2}{3}$

**75. Explanation: (B)**

**Simmer → Seethe → Smolder**:

These words indicate increasing intensity of heat or emotional agitation.

"Simmer" suggests mild activity.

"Seethe" implies more intense activity, boiling with agitation.

"Smolder" signifies a slow, suppressed burning.

**Break → Raze → _____**:

Here, the relationship should mirror the increasing intensity of destruction:

"Break" suggests a simple splitting or damage.

"Raze" indicates complete destruction (leveling to the ground).

**Obliterate**: This means to completely destroy, wipe out, or erase, which fits perfectly as a step beyond "raze."

**76. Explanation: (D)**

**(i):** From the ancient Athenian arena to the modern Olympic stadiums, athletics _____ the potential for a spectacle.

The subject is "athletics," which is singular in this context. Therefore, the correct verb form is **"holds"** (not "hold").

**(ii):** The crowd _____ with bated breath as the Olympian artist twists his body, stretching the javelin behind him.

The subject is "the crowd," which is singular. Therefore, the correct verb form is **"waits"** (not "wait").

**(iii):** Six cross-steps _____ in an abrupt stop on his left foot.

The subject is "Six cross-steps," which is plural. Therefore, the correct verb form is **"culminate"** (not "culminates").

**(iv):** As his body _____ like a door turning on a hinge, the javelin is launched skyward at a precise angle.

The subject is "his body," which is singular. Therefore, the correct verb form is **"pivots"** (not "pivot").

**77. Explanation: (A)**

We are given:

**drizzle → rain → downpour**, which denotes increasing intensity of rain. Now, we need to find the word that represents an increasing intensity of **quarrel → feud**.

A **quarrel** is typically a small or minor disagreement.

A **feud** is a prolonged and serious conflict, which implies an escalating intensity.

**bicker**: This means to argue or quarrel about something trivial, which seems to match the idea of an initial, less intense form of a quarrel.

**78. Explanation: (D)** "Yoko Roi stands **(i)** as an author."

The phrase "stands out" is often used to describe someone who is distinguished or prominent. Hence, the correct choice for blank (i) is **"out."**

"for standing **(ii)** as an honorary fellow."

The phrase "standing down" usually implies resignation or stepping back, but here "standing down" seems to indicate a humble or dignified position. Therefore, **"down"** fits well here.

"after she stood **(iii)** her writings."

The phrase "stood by" means to support or endorse something. This is the correct meaning for the context of standing with her writings. Hence, the correct choice for blank (iii) is **"by."**

"that stand **(iv)** the freedom of speech."

The phrase "stand for" is commonly used to mean supporting or representing a cause or principle. In this case, it indicates that her writings represent or support freedom of speech. Therefore, the correct choice for blank (iv) is **"for."**

**79. Explanation: (D)** We use **"on"** when referring to television, radio, or similar media.

Thus, the correct sentence is: **"Is there any good show on television tonight?"**

**80. Explanation: (D)**

**(A) sumptuously**: Means "in a lavish or luxurious manner," which is unrelated to the context.

**(B) brazenly**: Means "boldly or shamelessly," which does not fit the context of dismissal.

**(C) unintentionally**: Means "without intention," which is irrelevant to the context of a guilty officer being dismissed.

**(D) Summarily** means "immediately and without following normal procedures." This fits the context of the sentence, as the officer was dismissed quickly and in accordance with the rules due to his guilt.

**81. Explanation: (B)** To determine the correct statement based on the passage, let's analyze each option:

(A) **The author of the passage takes delight in wondering.**

- The passage does not explicitly state that the author takes delight in wondering. The author expresses delight in crooked streets, not in the act of wondering.

(B) **The wealthier nations are pulling down the crooked streets in their capitals.**

- This statement is directly supported by the passage. The author mentions that "Every day the wealthier nations are pulling down one or another in their capitals and their great towns."