**PAPER – I**

**Roll No.:** .................................

**Name of the Candidate (in capital letters):** .................................................................

**Candidate’s Signature** .................................

**Invigilator’s Signature** .................................

<table>
<thead>
<tr>
<th>POST CODE</th>
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<th>SUBJECT</th>
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**IMPORTANT:** Read the following instructions carefully. Do not mark answers on the question booklet, otherwise you may be debarred from the selection process.

1. Before commencing to answer, check that the Question Booklet has 120 questions. Each Question Booklet will be in different series (combination of question booklet number and series). You must write correct Question Booklet Number and Question Booklet Series on your OMR Answer Sheet. Further check that there is no misprinting, overprinting and/or any other shortcoming in it. If there is any shortcoming in the question booklet, intimate the same to your room invigilator and take a fresh question booklet and a fresh OMR sheet. No complaint in this regard shall be entertained at any later stage.

**IMPORTANT NOTE:** The OMR Answer Sheet will be evaluated with a combination of question booklet series and question booklet number hence you must write correct question booklet series and question booklet number. Any mistake in filling any of them will lead to invalidation of your OMR Answer Sheet. Also in case of non-filling of your question booklet series and question booklet number the OMR Answer Sheet will not be evaluated and its sole responsibility lies on the candidate.

2. Question paper is bilingual (Hindi/English). In case of any variation in Hindi version, English version will be taken as final for evaluation purposes.

3. Ensure that your admit card and OMR sheet is signed by you and the invigilator. If the same is not signed, your candidature is liable to be rejected.

4. All Multiple Choice Questions carry 1 mark. No Mark will be awarded or deducted for not attempting a question. Darken ONLY ONE OVAL for each answer. If you darken more than one oval or any stray mark is found on more than one oval, no mark will be awarded for that oval.

5. This is an objective type test in which each objective question is followed by four responses serialised (1) to (4). Your task is to choose the correct/best response and mark your response in the OMR Answer Sheet only as per the instructions given and NOT in the Question Booklet.

6. Use Blue/Black Ball Point Pen for all your work on the OMR Answer Sheet. The ovals on the OMR Answer Sheet are to be completely filled by Blue/Black Ball Point Pen only. ANSWERS ONCE GIVEN CAN NOT BE CHANGED. Cutting/overwriting the answers are not allowed.

7. Use of Calculators, Slide rules, Mobiles, calculator watches or any such devices and any other study/reference material is NOT allowed inside the examination hall and prohibited if found carrying, it shall be punishable offence.

8. Rough Work is to be done in the blank space provided in the Question Booklet, not on the OMR Answer Sheet. No other paper will be allowed/provided for rough work.

9. Handover OMR Answer Sheet to the invigilator on completion of the test. Do not take OMR Answer Sheet outside the examination room. Doing so is a punishable offence. The candidate can retain question paper after exam is over.
1. **Name the fourth layer of OSI Model:**
   (1) Application layer
   (2) Data link layer
   (3) Transport layer
   (4) Session layer

2. **To move to the bottom of a document, you press:**
   (1) Ctrl + End key
   (2) Ctrl + Home key
   (3) Home key
   (4) End key

**DIRECTIONS:** (Question No. 3 to 7) Study the pie chart carefully to answer the following questions.

**Percentage of students enrolled in different activities in a school.**
Total number of students = 3000.

---

**Percentage break up of girls enrolled in these activities out of total students.**
Total number of Girls = 1750

---

3. **What is the ratio of the number of girls enrolled in swimming to the number of boys enrolled in swimming?**
   (1) 59:49
   (2) 49:47
   (3) 23:29
   (4) None of these

4. **The number of girls enrolled in dancing form what percentage of the total number of students in the school? (round off to two digit)**
   (1) 11.67%
   (2) 14.12%
   (3) 9.32%
   (4) None of these

5. **What is the total number of girls enrolled in swimming and drawing together?**
   (1) 505
   (2) 515
   (3) 525
   (4) None of these

6. **How many boys are enrolled in singing and handicraft together?**
   (1) 485
   (2) 505
   (3) 420
   (4) None of these

7. **What is the approximate (best) percentage of boys in the School?**
   (1) 42%
   (2) 28%
   (3) 34%
   (4) 50%

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1. **OSI मॉडल के चौथे परत का नाम क्या है?**
   (1) अनुगृहीत परत
   (2) डाटा लिंक परत
   (3) ट्रांसपोर्ट परत
   (4) सेसन परत

2. **एक दस्तावेज के तल में जाने के लिए, आप प्रेस करें:**
   (1) Ctrl + End key
   (2) Ctrl + Home key
   (3) Home key
   (4) End key

---

**निर्देश (प्रश्न संख्या 3 से 7) निम्नलिखित प्रश्नों का उत्तर देने के लिए पाइप चार्ट का अध्ययन करें।**

**स्कूल के विभिन्न क्रियाकलापों में भाग लेने वाले पंजीकृत विद्यार्थियों का प्रतिशत**

**विद्यार्थियों की कुल संख्या = 3000.**

**कुल विद्यार्थियों में से इन गतिविधियों में भाग लेने वाले पंजीकृत लड़कियों का**

**प्रतिशत ब्रेकअप**

**लड़कियों की कुल संख्या = 1750.**

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3. **तैराकी में लड़कियों की पंजीकृत संख्या से तैराकी में लड़कों की पंजीकृत संख्या का अनुपात क्या है?**
   (1) 59:49
   (2) 49:47
   (3) 23:29
   (4) इनमें से कोई नहीं

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4. **स्कूल के कुल विद्यार्थियों की संख्या का कितना प्रतिशत दाराज में पंजीकृत लड़कियों की संख्या है? (दस्तावेज के दो अंकों तक)**
   (1) 11.67%
   (2) 14.12%
   (3) 9.32%
   (4) इनमें से कोई नहीं

---

5. **तैराकी एवं चिखलका में एक साथ पंजीकृत होने वाले लड़कियों की कुल संख्या क्या है?**
   (1) 505
   (2) 515
   (3) 525
   (4) इनमें से कोई नहीं

---

6. **गायन एवं इस्तानबुल में एक साथ पंजीकृत लड़कों की संख्या क्या है?**
   (1) 485
   (2) 505
   (3) 420
   (4) इनमें से कोई नहीं

---

7. **स्कूल में लड़कों का लगभग (सर्वश्रेष्ठ) प्रतिशत क्या है?**
   (1) 42%
   (2) 28%
   (3) 34%
   (4) 50%
8. For 1 MB memory the number of address lines required:
   (1) 11
   (2) 16
   (3) 22
   (4) None of these

9. Who won Hockey India League–3?
   (1) Delhi Waveriders
   (2) UP Wizards
   (3) Punjab Warriors
   (4) Ranchi Rays

10. The fourteenth Finance Commission recommended ………. of the net proceeds of the union tax revenues to be transferred to the states:
    (1) 32%  (2) 35%
    (3) 42%  (4) 45%

11. To mark 800th anniversary of Magna Carta (1215), four surviving copies of the world most important documents of parliamentary democracy were recently brought together as a part of celebrations in:
    (1) Washington
    (2) Delhi
    (3) London
    (4) Kathmandu

12. This is a ground penetrating radar and will provide centimeter scale resolution of the geologic structure of the subsurface. This is among the seven selected payloads that will be sent to Mars 2020 rover mission:
    (1) MEDA  (2) RIMFAX
    (3) SHERLOC  (4) MOXIE

13. If ‘yellow’ is called white, ‘white’ is called pink, ‘pink’ is called red, ‘red’ is called black, ‘black’ is called green, ‘green’ is called orange, then what is the colour of coal?
    (1) Red
    (2) Orange
    (3) Green
    (4) Black

14. The perimeter of a rhombus is 40 cm and the measure of an angle is 60°, then the area of it is–
    (1) 100√3 cm²  (2) 75√3 cm²
    (3) 180√3 cm²  (4) 50√3 cm²

15. If the radius of a right circular cylinder is decreased by 50% and its height is increased by 60%, its volume will be decreased by:
    (1) 30%  (2) 40%
    (3) 60%  (4) 70%

16. Anusuya, who gave sermons to Sita, the wife of Lord Rama, during their banishment to forest (vanvasa), was the wife of sage:
    (1) Atri
    (2) Angiras
    (3) Marichi
    (4) Kratu

17. 1 MB स्मृति के लिए वाचिक पता लाइनों की संख्या:
    (1) 11
    (2) 16
    (3) 22
    (4) इनमें से कोई नहीं

18. भारतीय हॉकी लीग-3 कौन जीता?
    (1) दिल्ली वेयरराइडर्स
    (2) उ.प.विजयाई
    (3) पंजाब वारियर्स
    (4) रांची रेंज

19. वीद्याध्वंस के लिए आयोग ने भारतीय संघ के कर आय की शुद्ध आय का ………. राष्ट्रीय को हस्तांतरित करने की अनुमति की:
    (1) 32%  (2) 35%
    (3) 42%  (4) 45%

20. मैनाना कार्ट (1215) की 800वीं वर्षगांठ को मनाने के लिए संस्कृत श्राकृत्रि ज्ञान के रूप में विख्यात चित्रयुक्त प्रतियों को एक साथ लाना अभी हल्ल में उसका एक हिस्सा बना। यह कहाँ मनाया गया?
    (1) वाशिंगटन
    (2) दिल्ली
    (3) लंदन
    (4) काठमाडौं

21. यह एक बु-भेदी रक्त है एवं यह उप-उप्रावी की भौगोलिक संरचना का सेंसर्स फील्ड रिजोल्यूशन प्रदान करता है। इस स्वयंसेवक पेलोड में से एक है जो मंगल 2020 रोवर मिशन पर भेजा जायेगा:
    (1) MEDA  (2) RIMFAX
    (3) SHERLOC  (4) MOXIE

22. यदि 'पीले' को सफेद कहते हैं, 'सफेद' को गुलाबी, 'गुलाबी' को लाल, 'लाल' को काला, 'काला' को हरा, 'हरा' को नारंगी कहते हैं, तो कौन का रंग क्या है?
    (1) लाल
    (2) नारंगी
    (3) हरा
    (4) काला

23. एक समवृत्तज्ञ का परिमाण 40 cm है और इसका एक कोण 60° है तो इसका क्षेत्रफल होगा:
    (1) 100√3 cm²  (2) 75√3 cm²
    (3) 180√3 cm²  (4) 50√3 cm²

24. यदि एक संभविक वृद्धि बिंदुकार की विश्लेषण 50 प्रतिशत कम कर दी जाती है और इसकी ऊँचाई में 60 प्रतिशत की वृद्धि कर दी जाती है, तो इसकी आयतन में कितने प्रतिशत की कमी होगी:
    (1) 30%  (2) 40%
    (3) 60%  (4) 70%

25. अनुसूचा जिससे भारतीय श्री राम की पत्नी सीता को जंगल में वनस्पत के दौरान उपदेश दिया, वह किस गुण की पत्नी थी?
    (1) ऋषि
    (2) अग्नि
    (3) मारिया
    (4) क्रुव
17. Match List-I with List-II

<table>
<thead>
<tr>
<th>List-I</th>
<th>List-II</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Jawaharlal Nehru Port</td>
<td>A. Tamilnadu</td>
</tr>
<tr>
<td>2. Paradip Port</td>
<td>B. Maharashtra</td>
</tr>
<tr>
<td>3. Kandla Port</td>
<td>C. Odisha</td>
</tr>
<tr>
<td>4. Ennore Port</td>
<td>D. Gujarat</td>
</tr>
</tbody>
</table>

(1) 1-D, 2-A, 3-B, 4-C
(2) 1-B, 2-C, 3-D, 4-A
(3) 1-D, 2-C, 3-B, 4-A
(4) 1-B, 2-A, 3-D, 4-C

18. To which ocean the Panama Canal joins the Atlantic Ocean?

(1) Pacific Ocean
(2) Indian Ocean
(3) Arctic Ocean
(4) Caspian Sea

DIRECTIONS: In a certain code language –

i. ‘Cod dex nom’ stands for ‘banana is sweet’
ii. ‘Zip dex nux’ stands for ‘apple is good’
iii. ‘Cod nux elp’ stands for ‘banana and apple’ and
iv. ‘pa reb nom’ stands for ‘oranges are sweet’.

19. Which word in that language stands for ‘apple’.

(1) Elp
(2) Nux
(3) Zip
(4) None of these

20. Hajo is an ancient pilgrimage center for three religions. Which one religion is not included in this:

(1) Hindu
(2) Buddhists
(3) Jains
(4) Muslims

DIRECTIONS: The following graph gives the marks scored by a student in different subjects – English, Hindi, Mathematics, Science and Social Science in an examination. Assuming that the total marks obtained for the examination are 540, answer the question given below.

21. The difference of marks between Social Science and Mathematics as the same as between:

(1) English and Science
(2) Science and Hindi
(3) Hindi and English
(4) None of these
22. STATEMENT:
All boys are girls
No girl is a father

CONCLUSION:
I. All girls are boys
II. No boy is a father
(1) Only I is true
(2) Only II is true
(3) Only I and II are true
(4) None of them is true

23. Who won the inaugural title of the star sports Pro Kabaddi league:
(1) U Mumba
(2) Jaipur Pink Panther
(3) Dabang Delhi
(4) Bengal Warriors

24. This river rises from Trimbak plateau of north Sahyadri:
(1) Cauvery
(2) Godavari
(3) Krishna
(4) Mahanadi

DIRECTIONS: (Question No. 25 to 27) Read the following information and answer the questions that follow.

In Common Wealth Games, six weightlifters were selected through a rigorous selection test. Their names are Atul, Bimal, Chintoo, Debu, Eshan and Fakir. Out of them Bimal, Chintoo and Eshan were from Rural Backround and the remaining from urban background. Atul, Bimal and Debu had completed their education in English medium and all remaining in Hindi Medium. Debu and fakir had specialisation in yoga and others had specialisation in swimming.

25. Who among the following is a yoga specialist coming form urban background and studied in English medium:
(1) Fakir
(2) Atul
(3) Chintoo
(4) Debu

26. Which of the following description is correct in respect of Atul and Bimal.
both of them are:
(1) From urban background studied in English medium
(2) From Rural Backround studied in English medium
(3) Having Swimming specialisation studied in English medium
(4) English medium players but one of them is a yoga expert

27. If Atul and Chintoo were also yoga specialists, what would have been the number of swimming specialist from rural background:
(1) 1
(2) 2
(3) 3
(4) None of these

28. कथन:
सभी लड़के लड़कियों है।
कोई भी लड़की पिता नहीं है

विषयः:
I. सभी लड़कियों लड़के हैं
ii. कोई भी लड़की पिता नहीं है
(1) केवल I सत्य है
(2) केवल II सत्य है
(3) केवल I एवं II सत्य है
(4) इनमें से कोई भी सत्य नहीं है

29. स्तार स्पोर्ट्स प्रो कबड्डी लीग का शुरुआती पदक कितना कौन बना:
(1) यू मुम्बा
(2) जापुर पिंक पेन्यार
(3) दंबर दिल्ली
(4) बंगाल वारियर्स

30. उत्तरी स्थानी के निकट जलू से निकलने वाली नदी है:
(1) कर्नेली
(2) गोदावरी
(3) कृष्णा
(4) महानदी

लिखिता: (प्रश्न संख्या 25 से 27) निम्नलिखित सूचनाओं को पढ़े एवं प्रश्नों के उत्तर दें।

क्राउम वेयर्स खेलों में 8. भारतीयों को कठिन चुनन परीक्षण में माध्यम से लूटा गया है। उनके नाम हैं अलुल, विजयलल, विल्लू, देबु, ईशान एवं फकीर। इनमें से विल्लू, विल्लू एवं ईशान ग्रामीण पूर्व भूमि से थे जोकि बाकी शहरी पूर्व भूमि से हैं। अलुल, विजयलल एवं देबु ने अपनी शिक्षा 'अंग्रेजी' माध्यम से की थी एवं बाकी सभी 'हिंदी' माध्यम से। देबु एवं फकीर योग में विशेषज्ञता किये हुए थे जोकि दूरे तराक्की में।

31. निम्नलिखित में से कौन-सा योगा विशेषज्ञ जो शहरी पूर्व भूमि से है एवं अंग्रेजी माध्यम से पढ़ाई किया हुआ है:
(1) फकीर
(2) अलुल
(3) विल्लू
(4) देबु

32. अलुल और विल्लू के संग्रह में कौन-सा विवरण सत्य है:
(1) अंग्रेजी माध्यम से पढ़ाई शहरी पूर्व भूमि के
(2) अंग्रेजी माध्यम से पढ़ाई ग्रामीण पूर्व भूमि के
(3) अंग्रेजी माध्यम में पढ़ाई तराक्की विशेषज्ञ
(4) अंग्रेजी माध्यम के विकल्प लेकिन उनमें से एक योगा विशेषज्ञ किये हुए हैं

33. यदि अलुल एवं विल्लू भी योगा विशेषज्ञ होते तो ग्रामीण पूर्व भूमि से तराक्की में विशेषज्ञता रखने वाले की संख्या कितनी होती?
(1) 1
(2) 2
(3) 3
(4) इनमें से कोई नहीं
28. **STATEMENT:**

M@J, JST, T*N

**CONCLUSION:**

I. N$J  II. T%M  III. M@N

(1) Only I and II are true  (2) Only I and III are true  
(3) Only II is true  (4) All are true

29. **India's first dedicated military satellite?**

(1) GSAT-12  (2) GSAT-7  
(3) GSAT-1  (4) GSAT-8

30. **Recently which ministry has launched two schemes namely—venture capital fund for S.C. and Green business scheme?**

(1) Ministry of Finance  
(2) Ministry of Social Justice & Empowerment  
(3) Ministry of Commerce & Industry  
(4) Ministry of Minority Affairs

31. **In a certain code language 'PROPORTION' is written as 'PORPRONOIT'. How is 'CONVERSION' written in that code language?**

(1) VNOCERONIS  (2) VNCREOINOS  
(3) VNCREOINOS  (4) VNCREOIONS

32. **The value of \( \frac{1}{x^2} + \frac{1}{y^2} \) where \( x = 2+\sqrt{3} \) and \( y = 2-\sqrt{3} \) is:**

(1) 12  (2) 16  
(3) 14  (4) 10

33. **We can not see during a fog because of:**

(1) Reflection of light  (2) Internal reflection  
(3) Scattering of light  (4) None of these

34. **Which soil is more suitable for crops like cashew nut?**

(1) Red latite soil  (2) Black soil  
(3) Alluvial soil  (4) Arid soil

35. **India recently won gold in world Youth Under-16 Chess Olympiad against:**

(1) Ukraine  (2) Russia  
(3) Turkey  (4) Iran

36. **In the number series 4, 10, 23, 50, 104, 216 and 439, the wrong number is:**

(1) 10  (2) 23  
(3) 104  (4) 50
37. Buses start from a bus terminal with a speed of 20 km/hr at intervals of 10 minutes. What is the speed of a man coming from the opposite direction towards the bus terminal if he meets the buses at intervals of 8 minutes?

(1) 5 km/hr  
(2) 4 km/hr  
(3) 6 km/hr  
(4) 7 km/hr

38. There are 600 Tennis players. 4% wear wrist band on one wrist. Of the remaining, 25% wear wrist bands on both hands. How many players don’t wear a wrist band?

(1) 534  
(2) 432  
(3) 344  
(4) 482

DIRECTIONS: In an imaginary language, the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 are substituted by a, b, c, d, e, f, g, h, i and j. And 10 is written as ba.

39. bee + fg – (ca × h/be) is equal to:

(1) bja  
(2) afb  
(3) jfb  
(4) bfj

40. The value of $\sqrt[n]{1}$ is:

(1) 1  
(2) a  
(3) $a^2$  
(4) $\infty$

41. Number of diagonals in a 30 sided convex polygon will be:

(1) 405  
(2) 955  
(3) 818  
(4) 378

42. A bag contains 19 red balls, 37 blue balls and 27 green balls. If a ball is picked up from this bag at random, what is the probability of picking a blue ball?

(1) $\frac{36}{87}$  
(2) $\frac{37}{83}$  
(3) $\frac{38}{83}$  
(4) None of these

43. 8085 microprocessor has ......... registers to hold data:

(1) 8 bit  
(2) 32 bit  
(3) 16 bit  
(4) None of these

44. An RS-232 interface is:

(1) A parallel interface  
(2) A serial interface  
(3) Printer interface  
(4) A modem interface

45. Country facing water crisis was helped by India recently:

(1) Myanmar  
(2) Philippines  
(3) Maldives  
(4) Bangladesh

37. बस टर्मिनल से 10 मिनट के अंतराल पर 20 किमी./घंटे की चाल से बस चलती है। बस टर्मिनल के विपरीत दिशा से आते हुए एक व्यक्ति की चाल 8 किमी./घंटे होगी यदि वह बस की 8 मिनट के अंतराल पर पाता है?

(1) 5 किमी./घंटा  
(2) 4 किमी./घंटा  
(3) 6 किमी./घंटा  
(4) 7 किमी./घंटा

38. 600 टेनिस खिलाड़ी हैं। 4% एक कलाई पर बैंड पहनते हैं। शेष के 25% दोनों हाथों पर बैंड पहनते हैं। कितने खिलाड़ी कलाई पर बैंड नहीं पहनते?

(1) 534  
(2) 432  
(3) 344  
(4) 482

निर्देश: एक कलमिनक भाषा में अंक 0, 1, 2, 3, 4, 5, 6, 7, 8 एवं 9 को a, b, c, d, e, f, g, h, i एवं j के द्वारा प्रतिस्थापित किया जाता है। एवं 10 को ba की तरह लिखा जाता है।

39. bee + fg – (ca × h/be) किसके बारे में है:

(1) bja  
(2) afb  
(3) jfb  
(4) bfj

40. $\sqrt[n]{1}$ का मान है:

(1) 1  
(2) a  
(3) $a^2$  
(4) $\infty$

41. 30 फुट रहने वाले उत्तर पूर्वी भाग में बिक्रेताओं की संख्या होगी:

(1) 405  
(2) 955  
(3) 818  
(4) 378

42. एक बैग में 19 लाल गेंदों, 37 नीली गेंदों, 27 हरी गेंदों हैं। यदि इस बैग में से यादृच्छिक ढंग से एक गेंद निकाल ली जाती है, तो नीली गेंद निकलने की संभावना कितनी है?

(1) $\frac{36}{87}$  
(2) $\frac{37}{83}$  
(3) $\frac{38}{83}$  
(4) इनमें से कोई नहीं

43. 8085 सूचक संचालक में आंकड़े रखने के लिए ......... पंजी होती है:

(1) 8 बिट  
(2) 32 बिट  
(3) 16 बिट  
(4) इनमें से कोई नहीं

44. एक RS-232 इंटरफेस होता है:

(1) एक समानांतर इंटरफेस  
(2) एक सीरियल इंटरफेस  
(3) एक नाउएड इंटरफेस  
(4) एक बॉडियम इंटरफेस

45. भारत की राजधानी में जल संकट से जुड़ते किस राज्य को भारत द्वारा सहायता की गई?

(1) मयानागर  
(2) फिलिपिन्स  
(3) मालदीव  
(4) बांग्लादेश
46. RTGS in banking sector stands for:
   (1) Real Time Gross Settlement
   (2) Real Transactions Going Settlement
   (3) Ready Transfer Gross Settlement
   (4) Remittance Transfer Gross settlement

47. Find the incorrect one:
   (1) Hertz is used to measure frequency
   (2) Kelvin is used to measure temperature
   (3) Bel is used to measure atmospheric pressure
   (4) Ohm is used to measure electrical resistance

DIRECTIONS: (Question No. 48 to 52) These question are to be answered on the basis of bar chart given below giving the rice imports (in thousand tonnes) for the year 2000 to 2012.

48. The import in 2004 are approximately what percent of average imports for the given years?
   (1) 65
   (2) 85
   (3) 190
   (4) 115

49. The increase in imports in 2012 was what percent of imports in 2011?
   (1) 80
   (2) 5
   (3) 125
   (4) 25

50. What is the ratio of the years which have above average imports to those which have below average imports?
   (1) 3.8
   (2) 8.3
   (3) 3.5
   (4) 5.3

51. The imports in 2006 were approximately how many times to that of 2001?
   (1) 3.22
   (2) 2.41
   (3) 1.68
   (4) 0.31

52. In which year did imports register highest increase over its preceding year?
   (1) 2012
   (2) 2005
   (3) 2004
   (4) 2003

53. बैंकिंग क्षेत्र में RTGS का ताप्त प्राप्त है:
   (1) Real Time Gross Settlement
   (2) Real Transactions Going Settlement
   (3) Ready Transfer Gross Settlement
   (4) Remittance Transfer Gross settlement

46. वृद्धि केंद्र में RTGS का ताप्त प्राप्त है:
   (1) Real Time Gross Settlement
   (2) Real Transactions Going Settlement
   (3) Ready Transfer Gross Settlement
   (4) Remittance Transfer Gross settlement

48. 2004 में आयात दिए गए वर्षों के औसत आयात का कितने प्रतिशत था?
   (1) 65
   (2) 85
   (3) 190
   (4) 115

49. 2012 में आयात में वृद्धि 2011 के आयात का कितने प्रतिशत था?
   (1) 80
   (2) 5
   (3) 125
   (4) 25

50. औसत आयात से अधिक से औसत आयात से कम के वर्षों का अनुपात क्या है?
   (1) 3.8
   (2) 8.3
   (3) 3.5
   (4) 5.3

51. वर्ष 2006 में आयात वर्ष 2001 के आयात के लगभग कितना गुणा था?
   (1) 3.22
   (2) 2.41
   (3) 1.68
   (4) 0.31

52. गत वर्ष के उपर तक गत वर्ष में आयात ने सर्वश्रेष्ठ वृद्धि दर्ज की?
   (1) 2012
   (2) 2005
   (3) 2004
   (4) 2003
53. Point out the incorrect statement
To qualify for the membership of Rajya Sabha, one has to.
(1) Be a citizen of India
(2) Be at least 30 years of age
(3) Fulfils the qualifications of becoming a member of parliament
(4) Be a voter in any Lok Sabha constituency of India

54. Multitasking refers to:
(1) Having several programs in RAM at the same time
(2) The ability to run 2 or more programs concurrently
(3) Writing programs in multiple languages
(4) None of these

55. A small aeroplane can travel at 320 km/hr in still air. The wind is blowing at a constant speed of 40 km/hr. The total time for a journey against the wind is 135 minutes. What will be time, in minutes for the return journey with the wind? (ignore take off and landing time for the aeroplane)
(1) 94.5
(2) 105
(3) 108.125
(4) 120

56. The sum of two number is 2490. If 6.5% of one number is equal to 8.5% of the other, the numbers are:
(1) 1411 and 1079
(2) 1410 and 1080
(3) 1441 and 1049
(4) 1214 and 1276

57. Gross National Product (GNP) of a country is sum of the market value of all goods and services produced in a year:
(1) Plus export Earnings
(2) Plus Market value of imports
(3) Minus foreign aid
(4) Plus net income from abroad

58. The appropriate writ issued by the Court to quash the appointment of a person to a public office is that of:
(1) Certiorari
(2) Prohibition
(3) Quo Warranto
(4) Mandamus

59. Pick the odd one out.
(1) Z3W
(2) Z5W
(3) Z7W
(4) Z9W

DIRECTIONS: A cube of side four inch is painted red, blue and black on the pairs of opposite faces. It is then cut into smaller cubes of side one inch each.

60. How many cubes have one face red and one blue (the other faces may be painted or unpainted):
(1) 16
(2) 8
(3) 4
(4) 0

53. असत्य कथन को पहचाने
राष्ट्र सभा की सदस्यता प्राप्त करने के लिए निम्नलिखित का होना आवश्यक है:
(1) भारत दुर्भाग्य का नारकिल होना चाहिए
(2) 30 वर्ष की आयु कम से कम होनी चाहिए
(3) संसद सत्र समय बनने के लिए सभी अर्जनाओं को पूरा करना चाहिए
(4) भारत देश के किसी लोक सभा क्षेत्र से मतदाता होना चाहिए

54. मल्टीटास्किंग संदर्भित करता है:
(1) एक ही समय में रैम में कई प्रोग्राम का होना
(2) 2 या ज्यदा प्रोग्रामों को साथ-साथ चलाने की सामर्थ्यता
(3) कई भाषाओं में प्रोग्राम का लेखन
(4) इतने से एक नहीं

55. एक छोटा क्वाईजेशन 320 किमी./घंटे से स्फटिक हवा में यात्रा करता है। हवा 40 किमी./घंटा की ताप से सतह तक लागती है। यात्रा का कुल समय हवा के विरोध में चलने पर 135 मिनट लगते हैं। 100 औं में हवा के साथ विविध समय लगेगा (मिनट में)? (उड़ने और उतरने का समय छोड़कर)
(1) 94.5
(2) 105
(3) 108.125
(4) 120

56. दो संख्याओं का योग 2490 है। यदि एक संख्या का 6.5% दूसरी संख्या के 8.5% का बाकर है, तो संख्याएं हैं:
(1) 1411 एवं 1079
(2) 1410 एवं 1080
(3) 1441 एवं 1049
(4) 1214 एवं 1276

57. एक देश का सकल राष्ट्रीय उत्पाद वर्ष में सरोकारित समीक्षा एवं सेवाओं का बनार नागर एवं .... का योग है:
(1) निर्यात अयोग्य
(2) आयतन की काजली मूल्य
(3) विदेशी अनुपात सम्पर्क
(4) विदेशों से निकल आय

58. किसी लोक-पद पर किसी अवक्त की नियुक्ति निरस्त करने के लिए न्यायालय द्वारा जारी की जाने वाली सुचिमृग्य धारक की होती है:
(1) उपराय शिक्षान
(2) निवेदनशाली
(3) अवक्तक प्रवर्धक
(4) एमर्जेंसी

59. अस्तित्व का चूनूँ।
(1) Z3W
(2) Z5W
(3) Z7W
(4) Z9W

निर्देश: एक 4 इंच बाले घन के प्रत्येक सिरे लाल, नीले, व काले रंग के जोड़े में उनके विपरीत सिरों को रंगा गया है। इसके बाद इसे प्रत्येक एक इंच बाले छोटे घनों में कटा गया है।

60. कितने घनों का एक सिरा लाल एवं एक नीला है। (दूसरे सिरे रंग हुए या बिना रंग हुए हो सकते हैं):
(1) 16
(2) 8
(3) 4
(4) 0
61. A GUI is:
   (1) Hardware
   (2) Language interpreter
   (3) Software interface
   (4) An operating system

62. New Horizons became the first space probe to reach closest to Pluto recently. This is a mission by:
   (1) ISRO
   (2) ESA
   (3) NASA
   (4) FKA & RKA

63. One of the pioneering robots, that went missing into space almost a decade ago, has been recently found on the surface of red planet. Name it:
   (1) Beagle 2
   (2) Mars–2 Prop–M. Rover
   (3) Mars Rover
   (4) Spirit (MER–A)

64. Find the missing number in place of question mark?

   14
   6 10
   18 14
   22

   22
   16 12
   14
   0

   2 12
   5 ?
   15

   (1) 10
   (3) 12
   (2) 8
   (4) 14

65. Three views of the same cube are shown below.

   The figure on the face opposite the triangle is:
   (1) Pentagon
   (2) Circle
   (3) Question mark
   (4) Rectangle

66. FTP is:
   (1) Used to send email
   (2) Used to browse the Web
   (3) Is part of Netscape
   (4) Is a protocol for the transfer of files between computers

67. An ISP:
   (1) Provides access to the internet
   (2) Is a CPU register
   (3) Is a CPU functional unit
   (4) Make of processor

68. Total salary of three persons A, B and C are ₹ 1,44,000. They spend 80%, 85% and 75% respectively. If their savings are in the ratio 8:9:20, find C’s salary:
   (1) ₹ 48,000
   (2) ₹ 64,000
   (3) ₹ 40,000
   (4) ₹ 32,000
69. The average temperature of a town in the first four days of a month was 58°C. The average temperature for second, third, fourth and fifth days was 60°C. If temperature on the first and fifth days was in the ratio 7:8, then what was the temperature on the fifth day?

(1) 64°C   (2) 62°C
(3) 56°C   (4) None of these

70. Find the odd one out from the given alternatives.

(1) Microbe   (2) Microfilm
(3) Microphone (4) Microscope

71. If 'SPARK' is coded as TQBSL, what will be the code for 'FLAME'?

(1) GNAMF   (2) GBMNO
(3) GMBNF   (4) GMCMF

72. My office is to the east of the bus stand and while my residence is to the south of the bus stand. The market is to the north of my office. If the distance of the market from my office is the same as the distance from my residence to the bus stand, then in which direction is the market with respect to the bus stand?

(1) North   (2) South-West
(3) North-East (4) South

73. Arrange the following rational members in ascending order:

\[
\begin{array}{cccc}
-7 & 5 & 2 & 10 \\
-8 & -3 & -2 & -8
\end{array}
\]

(1) \[ \frac{2}{5} < \frac{5}{8} \] (2) \[ \frac{5}{2} < \frac{-7}{3} \]
(3) \[ \frac{7}{2} < \frac{-7}{3} \] (4) \[ \frac{10}{-8} < \frac{-3}{2} \]

74. Which of the following represents the statement that some of the psychologists are philosophers. Some philosophers are writers. But no psychologist is a writer.

A  B  C  D

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

DIRECTIONS: A survey on a sample of 25 new cars being sold at a local auto dealer was conducted to see three popular options-air conditioning, radio and power windows—which were already installed. The survey found that 15 had air conditioning, 2 had air conditioning and power windows but no radios, 12 had radio, 6 had air conditioning and radio but no power windows, 11 had power windows, 4 had radio and power windows, 3 had all three options.

75. What is the number of cars that had none of the options?

(1) 3   (2) 2
(3) 4   (4) None of these
DIRECTIONS: Complete the following series.

76. Question figure (प्रश्न आकृति)

Answer figure (उत्तर आकृति)

77. Question figure (प्रश्न आकृति)

Answer figure (उत्तर आकृति)

78. Creation of MUDRA bank was proposed in the recent budget proposal of the Government of India. MUDRA stands for:

(1) Monetary Union Development Repay agency
(2) Medium Units Development & Reconstruction Agency
(3) Micro Units Development Refinance Agency
(4) Multipurpose Undertakings Development Refinance Agency

78. भारत सरकार द्वारा हाल ही में जारी किये गये बजट में MUDRA बैंक के सूचना का प्रस्ताव रखा गया है। MUDRA का तालिका है:

(1) Monetary Union Development Repay agency
(2) Medium Units Development & Reconstruction Agency
(3) Micro Units Development Refinance Agency
(4) Multipurpose Undertakings Development Refinance Agency

79. What is the control unit's function in the CPU:

(1) To transfer data to primary storage
(2) To Store program instructions
(3) To perform logic operations
(4) To decode program instructions

79. सी.पी.यू. (CPU) में कन्ट्रोल यूनिट का क्या कार्य है:

(1) अंकों को प्राथमिक महत्व में स्थानांतरित करना
(2) प्रोग्राम निर्देशों का महत्व
(3) तालिका कैरेक्टर्स करना
(4) प्रोग्राम निर्देशों को डिकोड करना

80. In this question, which number should be in place of 'x'? The numbers in the figures follow some rule:

80. इस प्रश्न में 'x' के स्थान पर कौन-सा संख्या आवश्यक है? दी गई संख्याएं का कुछ नियम का अनुसूचना करती है:

81. Consider the following information regarding the performance of a class of 1000 students in four different tests.

81. लेख्य निर्देशित किस परीक्षा में उसका तुलनात्मक प्रदर्शण सबसे अधिक रहा?

If a student scores 74 Marks in each of the four tests, in which of the following tests is his performance the best comparatively?

(1) Test – I
(2) Test – II
(3) Test – III
(4) Test – IV

1000 विद्यार्थियों वाले क्षेत्र के चार विभिन्न परीक्षाओं के प्रदर्शन से सम्बन्धित पीढ़ी दी गई सूचनाओं का अनुसूचना करें।

If a student scores 74 Marks in each of the four tests, in which of the following tests is his performance the best comparatively?

(1) Test – I
(2) Test – II
(3) Test – III
(4) Test – IV
DIRECTIONS: In the following question, a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series.

82. AGMSY, CIOUA, EKQWC, ______, IOUAG, KQWCI.
   (1) GNTYE          (2) GLRYE
   (3) GMSYE          (4) GMTXE

83. ASSERTION (A): The President of India can issue a proclamation of emergency under Article 352(1) of Constitution on the advice of the Prime Minister.
   REASON (R): Where a proclamation of emergency is in operation, the President may suspend the operation of all fundamental rights except Article 20 & 21 of Constitution.
   (1) Both A and R are true and R is correct explanation of A
   (2) Both A and R are true but R is not correct explanation of A
   (3) A is true but R is false
   (4) A is false but R is true

84. The present ages of Amit and Sumit are in the ratio of 1:2. Four years later, their ages will be in the ratio of 7:13. What is their present ages?
   (1) 16 years and 32 years          (2) 24 years and 48 years
   (3) 18 years and 36 years          (4) None of these

85. The average age of a group of workers changes from 32 to 35 years if an old worker is replaced by a new worker. How many workers are there in the group if the new worker is 12 years younger than the older one?
   (1) 5                          (2) 4
   (3) 6                          (4) 7

86. By selling 33 metres of cloth, a shopkeeper gains the price of 11 metres of cloth. His gain percent is:
   (1) 45%                       (2) 40%
   (3) 50%                       (4) None of these

87. 'IC chips' for computers are usually made of:
   (1) Chromium               (2) Silicon
   (3) Lead                   (4) Copper

88. In the below figure, circle P represents hardworking people, circle Q represents intelligent people, circle R represents truthful people, and circle S represents honest people. Which region represents the people who are intelligent, honest and truthful but not hardworking:

   P ∩ Q ∩ R ∩ S

   (1) 6          (2) 7
   (3) 8          (4) 11
89. The maintenance charges for 35 residents for 24 days is Rs. 6,300. In how many days will the maintenance charges be Rs. 3,375 for 25 residents?

(1) 17  (2) 21  (3) 18  (4) None of these

90. In a worksheet in MS Excel, what is the shortcut key to hide entire row?

(1) Ctrl + 2  (2) Ctrl + N  (3) Ctrl + R  (4) None of these

91. Dongri is the language spoken in:

(1) Assam  (2) Bihar  (3) Jammu & Kashmir  (4) Andaman & Nicobar

92. The memory of a computer is commonly expressed in terms of Kilobytes or Megabytes. A byte is made up of:

(1) Eight decimal digits  (2) Eight binary digits  (3) Two binary digits  (4) Two decimal digits

93. The fundamental duties of the Indian citizens were laid down by which of the following amendments to the constitution of India?

(1) 40th amendment  (2) 41st amendment  (3) 42nd amendment  (4) 43rd amendment

94. In a group of 15, 7 studied German, 8 have studied French and 3 have not studied either. How many of these have studied both German & French?

(1) 0  (2) 3  (3) 4  (4) 5

95. What is the average weight of 30 students in a class

I. If the weight of teacher’s included the average weight is 20 kg.

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

II. If the weight of teacher is not included, the total weight is 720 kgs.

A. यदि कक्षा में 30 विद्यार्थियों का औसत वजन किया जाता है तो औसत वजन 20 किस्मा. होगा।

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

II. यदि शिक्षक का भार सम्मिलित नहीं किया जाता है तो कुल वजन 720 किस्मा. है।
GENERAL ENGLISH

DIRECTIONS: Arrange the following sentences/phrases in a coherent sequence and select the corresponding choice from (1), (2), (3) and (4).

96. Jumbled sentences/phrases:
   M and took him to hospital
   N His friend came and
   O He cried for help
   P Killed the snake
   Q A snake bit the gardener

(1) OPONM  (2) ONQPM
(3) QONPM  (4) NMOQP

97. In the following question, which of the following paired conjunctions would you use to combine the two sentence into one sentence.
   She will have to study hard. She will have to concentrate to do well on the exam.
   (1) both...and
   (2) not only...but also
   (3) either...or
   (4) neither...nor

DIRECTIONS: Choose the correct word which can be substituted for the given word/sentence.

98. Extreme old age when a man behaves like a fool:
   (1) Imbecility
   (2) Senility
   (3) Dotage
   (4) Superannuation

DIRECTIONS: Which of phrases given below in each sentence should replace the phrase in Underlined to make the sentence grammatically correct?

99. He is too important for tolerating any delay:
   (1) to tolerate
   (2) to tolerating
   (3) at tolerating
   (4) with tolerating

DIRECTIONS: (Question 100 & 101) In the following questions, the descriptive sentence is aptly described by just one word. Select the choice which give the meaning most appropriately:

100. One who talks in his sleep:
   (1) Somniloquist
   (2) Somnivocalist
   (3) Somnambulist
   (4) Somnalesist

101. A person who creates disorder in a state:
   (1) Rebel
   (2) Militant
   (3) Anarchist
   (4) Fifth columnist

DIRECTIONS: (Question 102 & 103) In the following questions, pick the choice whose meaning is opposite to the word shown in capitals for each question:

102. INCREDULOUS:
   (1) Tolerable
   (2) Creditable
   (3) Gullible
   (4) Vicious

103. HOI POLLOI:
   (1) Cannibalism
   (2) Tyranny
   (3) The past
   (4) Aristocracy
DIRECTIONS: (Question Nos. 104 to 108) Read the following passage. The questions following it are based on its content. Select the best answer to each question, based on the content of the passage.

What is it that people today fail to understand about what is happening to them? What is happening is that they are using up their planet at a fearsome rate and may soon pass the point where their total habitat can sustain human life. Man's world is slipping away from him. His habits, his thoughts, his actions run counter to the essentials of his existence. He has created national governments for the purpose of giving him maximum protection, but he has no way of protecting himself against the governments. In the act of contending with one another, the governments have become instruments of race suicide and world holocaust.

Most of what man does is irrelevant to his main problems; his ingenuity has been applied to everything except the need to make his planet safe for human habitation. He has cut into his natural environment with large slashes. His sources of food are being sealed over by the tar and cement of his cities and highways. Next to destructive force, he produces nothing in greater volume than his garbage. He has made his sky an open sewer and his rivers and lakes a poisonous brew. He has pumped his foul wastes into the seas and has stared balefully at billions of floating dead fish.

Instead of fortifying his plants against insects with rich loam and compost, he has attacked them indiscriminately with chemicals, violating the chain of life and killing off the birds that are far more essential to his own spirit than many of his commodities. By going against nature, he has warred against beauty of line, movement, and sound. He has been mucking up his own planet, but has the arrogance to go searching for life elsewhere in the universe.

What has been happening to people that they don't understand is that they have made a geographical entity out of their world without a philosophy for ennobling it, a plan for conserving it, or an organization for sustaining it. Men crave to do good, to act reasonably and think decently. But goodness and decency and wisdom must have a world purpose in our time if life and thought are to have any meaning at all.

104. The passage brings out that man's craving for doing good, acting reasonably and thinking decently is not enough unless these qualities:
(1) Are implemented quickly
(2) Have a goal for entire world
(3) Build friendship between humans
(4) Help in avoiding conflict

105. The author's view on man's thoughts, habits and actions are that:
(1) They contribute to financial success
(2) Run counter to the theory of relativity
(3) Go against the basics of his existence
(4) They assist in the process of evolution

106. The tone of the passage can best be said to be:
(1) Concealed humour
(2) Alarming concern
(3) Unbridled anger
(4) A sense of joy

107. The passage condemns man for:
(1) Discovery of penicillin
(2) Laying railway tracks
(3) Man's ingenuity
(4) Mucking up his own planet

108. The author would strongly oppose:
(1) A flight to Mars to search for life
(2) A stronger United Nations
(3) Pollution control
(4) Organic farming

DIRECTIONS: Choose the appropriate preposition to fill in the blank.

109. Our plane stopped ....... Mumbai airport on the way to Italy.
(1) in
(2) over
(3) on
(4) at

110. Fill in the gap correctly.
India won by an ____ and three ____.
(1) Innings, run
(2) Innings, runs
(3) Innings, run
(4) Innings, runs
111. Change the following direct speech into correct reported speech and mark your options from among choices.

Ram said, “The teacher left an hour ago”
(1) Ram said that the teacher had left an hour ago
(2) Ram said that the teacher left an hour ago
(3) Ram said that the teacher had left an hour before
(4) Ram said that the teacher had left an hour ahead

112. Given below are the words with different spellings. Select the one which you consider to be correctly spelled:

(1) Paraphernalia
(2) Paraphrenalia
(3) Paraphrenalia
(4) Paraphrenalia

113. Fill in the blank using the correct tense:

I .... at five o’clock and ..... for two hours. After taking a bath, I .... breakfast. Then, I ..... to school on my bike.
(1) Got up, studied, took, went
(2) Get up, will study, take, went
(3) Get up, study, will take, go
(4) Got up, will study, will take, will go

114. Identify the incorrect plural:

(1) Swine
(2) Sheep
(3) Species
(4) Aircrafts

115. Identify the incorrect sentence:

(1) The patient had died before the doctor arrived.
(2) He behaves as if he was a king.
(3) Read regularly lest you should fail
(4) Bread and butter makes a good breakfast.

116. The correct passive voice of the following sentence is:

Will anyone believe your story?

(1) Will your story be believed by anyone?
(2) Will you be believed for story by anyone?
(3) Will your story to be believed by anyone?
(4) Will your story having been believed by anyone?

117. JOCUND:

(1) Filmy
(2) Cheerful
(3) Cruel
(4) Laughable

118. BOURGEOIS:

(1) Aristocratic
(2) Animated
(3) Lively
(4) Ordinary

119. Fill in the gap with suitable preposition:

Ram died ___ fatigue.
(1) of
(2) from
(3) for
(4) in

120. Read the following sentences. In the following sentences, in which sentence adverbs modify the whole sentence rather than any particular word:

(1) Rekha runs quickly.
(2) Unfortunately no one was present there.
(3) This is a very sweet mango.
(4) Rekha reads quite clearly.