

SECTION - 1

सामान्य हिन्दी

निर्देश (1-5) : निम्नलिखित अनुच्छेद को पढ़कर उसके नीचे दिए गए प्रश्नों के उत्तर दीजिए-

हमारे यहाँ के विद्वान पुनर्जागरण पर ही इतना अधिक ध्यान देते हैं कि यदि हम उसे पढ़ें तो अतीत के विषय में जानने की हमारी लालसा और बढ़ जाती है। हमें यह अनुभव कराया गया कि संपूर्ण भारत रामकृष्ण, विवेकानंद और दयानंद जैसे महापुरुषों की मंडली है। हमें यह भी अनुभव कराया गया कि औरतों की दशा बहुत अच्छी थी और जातीयता को प्राणघातक मान लिया गया था। इसके अलावा कुछ दूसरी चीजें भी उस दौरान घटित हुईं, जिसके बारे में हम बात नहीं करते। एक हिंदी भाषी प्रांत में दयानंद को जूतों की माला से स्वागत किया गया था। जब 'आर्यसमाज' और 'ब्रह्मसमाज' मौजूद था, उसी समय 'सनातन धर्म सभा' और 'भारत धर्मसभा' भी स्थापित हुआ। दयानंद शास्त्रार्थ में हरा दिए गए। कट्टरपंथी और रूढ़िवादी लोगों ने नये विचारों का विरोध किया। बाद में ब्रह्मसमाज भी अत्यधिक पुरातनपंथी हो गया। राजा राममोहन राय के बारे में कहा जाता है कि जब वे मृत्युशय्या पर थे तो उन्हें भागीरथी के तट पर लाया गया। उनके चारों तरफ खड़े लोगों ने उनसे पूछा कि वे लोग उनके लिए क्या कर सकते हैं? तो उन्होंने अपने पूरे शरीर पर राधकृष्ण लिखने को कहा। जिन लोगों ने धार्मिक सुधार के लिए विद्रोह किया वे अत्यधिक पुरातनपंथी निकले। आंदोलन के अंतिम दिनों में ब्रह्मसमाज के अनुयायी हठधर्मी हो गए थे। बाद में बहुत सारे ब्रह्मसमाजी कम्युनिस्ट और मार्क्सवादी हो गए।

1. अतीत के विषय में जानने की लालसा कब और बढ़ जाती है?
 - (1) ब्रह्मसमाज के विचारों को पढ़कर
 - (2) आर्यसमाज के विचारों को पढ़कर
 - (3) विवेकानंद के विचारों को पढ़कर
 - (4) भारतीय विद्वानों के पुनर्जागरण संबंधी विचारों को पढ़कर

2. जूतों की माला से किसका स्वागत किया गया था?
 - (1) दयानंद
 - (2) विवेकानंद
 - (3) राममोहन राय
 - (4) रामकृष्ण परमहंस

3. बाद में कौन-सी संस्था अत्यधिक पुरातनपंथी हो गयी?
 - (1) सनातन धर्म सभा
 - (2) रामकृष्ण परमहंस मिशन
 - (3) ब्रह्मसमाज
 - (4) भारत धर्मसभा

4. ब्रह्मसमाज के संदर्भ में असत्य कथन है?
 - (1) बाद में बहुत सारे ब्रह्मसमाजी मार्क्सवादी हो गए थे।
 - (2) ब्रह्मसमाज की स्थापना दयानंद सरस्वती ने किया था।
 - (3) बाद में ब्रह्मसमाज भी अत्यधिक पुरातनपंथी हो गया।
 - (4) अंतिम दिनों में ब्रह्मसमाज के अनुयायी हठधर्मी हो गए थे।

5. निम्न में कौन-सा विद्वान शास्त्रार्थ में हरा दिया गया था?
 - (1) विवेकानंद
 - (2) रामकृष्ण परमहंस
 - (3) राममोहन राय
 - (4) दयानंद

6. निम्नलिखित में से कौन-सा संधि विच्छेद का एक गलत उदाहरण है?
 - (1) महा+ओज
 - (2) पौ+अक
 - (3) नौ+इक
 - (4) परो+उपकार

7. इनमें से 'जो पहले कभी न हुआ हो' को व्यक्त करने वाला कौन-सा एक शब्द है?
 - (1) अभूतपूर्व
 - (2) भूतपूर्व
 - (3) अनादी
 - (4) अद्वितीय

8. निम्नलिखित वाक्य में आए खाली स्थान के लिए सही शब्द चुनिए-
अभिषेक _____ घर चला गया।
 - (1) किसके
 - (2) अपने-आप
 - (3) इस
 - (4) उस

9. निम्न उपन्यासों में कौन-सा मृदुला गर्ग द्वारा रचित नहीं है?
 - (1) उसके हिस्से की धूप
 - (2) रुकोगी नहीं राधिका
 - (3) चित्त कोबरा
 - (4) मैं और मैं

10. 'बाग-बाग होना' मुहावरे का सही अर्थ होगा-
 - (1) आसान काम
 - (2) हरियाली छाना
 - (3) खुश होना
 - (4) कार्य सिद्ध होना

11. सुधी, मनीषी, बुध निम्नलिखित में से किसके पर्यायवाची शब्द हैं?
 - (1) पंडित
 - (2) धनी
 - (3) पति
 - (4) गुरु

12. 'पयोधि': 'सिंधु', 'वारीश' किसके पर्यायवाची शब्द हैं?
 - (1) मेघ
 - (2) समुद्र
 - (3) नदी
 - (4) गंगा

13. 'मलबे का मालिक' कहानी के कहानीकार हैं-
 - (1) राजेंद्र यादव
 - (2) मोहन यादव
 - (3) कमलेश्वर
 - (4) निर्मल वर्मा

14. "वधूत्सव" का संधि विच्छेद रूप क्या है?
 - (1) वद+उत्सव
 - (2) वध+उत्सव
 - (3) वधू+उत्सव
 - (4) वधो+उत्सव

15. निम्नलिखित में से सही वाक्य की पहचान कीजिए।
 - (1) वह क्या जाने कि मैं कैसे जी रहा हूँ।
 - (2) वह कैसे जाने कि क्या मैं जी रहा हूँ।
 - (3) वह क्या जाने कि मैं कैसे जी रहा हूँ।
 - (4) वे क्या जाने कि मैं कैसे जी रहा हूँ।

16. जिस पर क्रिया का प्रभाव पड़े, उसे क्या कहते हैं?
 (1) कर्ता (2) करण
 (3) कर्म (4) अपादान
17. निम्न में से किस साहित्यकार को 'प्रेमचंद की कहानियों का काल-क्रमानुसार अध्ययन' के लिए 'व्यास सम्मान' प्रदान किया गया है?
 (1) गोपेश्वर सिंह
 (2) वीरभारत तलवार
 (3) कमल किशोर गोयनका
 (4) वीरेंद्र यादव
18. 'निंदा' का विलोम शब्द है-
 (1) स्तुति (2) राग
 (3) द्वेष (4) सम्मान
19. किस वर्ष साहित्य अकादमी पुरस्कार नहीं दिया गया?
 (1) सन् 1955 (2) सन् 1962
 (3) सन् 1965 (4) सन् 2000
20. निम्नलिखित में तख्त शब्द कौन-सा है?
 (1) विकार (2) दंड
 (3) कोकिला (4) नींद
21. निम्नलिखित वाक्य में आए खाली स्थान के लिए सही शब्द चुनिए-
 गिलास _____ तोड़ा?
 (1) तुमने (2) उसने
 (3) किसने (4) इसने
22. 'विरोधी पक्ष का' वाक्यांश के लिए एक सार्थक शब्द कौन-सा है?
 (1) पक्षपाती (2) विपक्षी
 (3) पक्षघाती (4) द्विपक्षी
23. सन् 2019 में 'व्यास सम्मान' किसे प्रदान किया गया?
 (1) नासिरा शर्मा (2) लीलाधर जगूड़ी
 (3) ममता कालिया (4) नरेन्द्र कोहली
24. निम्नलिखित में कौन-सा तत्सम-तख्त जोड़ी का सही विकल्प नहीं है?
 (1) सूत्र - सूत
 (2) हस्त - हाथ
 (3) चक्र - गोला
 (4) ग्राहक - गाहक
25. पुरुषोत्तम अग्रवाल को उनकी किस रचना के लिए 'देवीशंकर अवस्थी स्मृति सम्मान' प्रदान किया गया?
 (1) विचार का अनंत
 (2) तीसरा रुख
 (3) संस्कृति: वर्चस्व और प्रतिरोध
 (4) अकथ कहानी प्रेम की: कबीर की कविता और उनका समय
26. 'अवधी बोली' का अन्य नाम है-
 (1) कोसली (2) बनाफरी
 (3) बैगानी (4) मद्येसी
27. वाक्य में काम करने वाले को क्या कहते हैं?
 (1) कर्ता (2) करण
 (3) कर्म (4) क्रिया
28. निम्नलिखित में कौन-सा शब्द तत्सम है?
 (1) उज्ज्वल (2) इकट्ठा
 (3) कँवल (4) उपरोक्त
29. 'मैं भंगी हूँ' आत्मकथा के लेखक हैं?
 (1) सूरजपाल चौहान
 (2) मोहनदास नैमिशराय
 (3) भगवान दास
 (4) ओमप्रकाश वाल्मीकि
30. निम्नलिखित में से कौन-सा विकल्प शब्द और उनके विलोम शब्द की सही जोड़ी नहीं है?
 (1) राग-विराग (2) व्यष्टि-समष्टि
 (3) बच्चा-जवान (4) उत्तम-अधम
31. लोकोक्ति और उनके सही अर्थ वाले जोड़े के विकल्प की पहचान कीजिए।
 (1)
 (1) चित्त भी मेरी पट भी मेरी
 (2) चोर की दाढ़ी में तिनका
 (3) नाच ना जाने आँगन टेढ़ा
 (4) नेकी कर दरिया में डाल
- (2)
 (a) दोनों ओर से लाभ चाहना
 (b) अपराधी भयभीत रहता है
 (c) अयोग्यता का दोष दूसरों को देना
 (d) भला करके भूल जाना चाहिए
- (3)
 (1) 1-d, 2-c, 3-b, 4-a
 (2) 1-c, 2-a, 3-b, 4-d
 (3) 1-b, 2-a, 3-c, 4-d
 (4) 1-a, 2-b, 3-c, 4-d
32. निम्न में से कौन-सा कवि भारतेन्दु युगीन नहीं है?
 (1) बद्रीनारायण चौधरी 'प्रेमघन'
 (2) ठाकुर जगमोहन सिंह
 (3) पंडित अबिकादत्त व्यास
 (4) श्रीधर पाठक
33. मार्तण्ड, अर्क, अंशुमाली निम्नलिखित में से किसके पर्यायवाची शब्द हैं?
 (1) रोशनी (2) चन्द्र
 (3) सूर्य (4) रेखा

34. निम्नलिखित में से सही वाक्य की पहचान कीजिए।
 (1) मैं रविवार के दिन तुम्हारे घर आऊँगा।
 (2) मैं रविवार को तुम्हारे घर आऊँगा।
 (3) मैं रविवार को तुम्हारे घर को आऊँगा।
 (4) मैं रविवार दिन को तुम्हारे घर आऊँगा।
35. भारतीय संविधान में 22 भाषाओं को आधिकारिक भाषा का दर्जा दिया गया है, जिनमें यह भाषा शामिल नहीं है?
 (1) मैथिली (2) मणिपुरी
 (3) बोडो (4) भोजपुरी
36. निम्नलिखित वाक्यांश में अपादान कारक प्रयुक्त हुआ है-
 (1) श्याम का घर (2) पेड़ से गिर पड़ा
 (3) कुर्सी के नीचे (4) आरी से काटो
37. निम्नलिखित में कौन-सा 'असुर' का पर्यायवाची शब्द नहीं है?
 (1) निशिचर (2) दनुज
 (3) राक्षस (4) महाकाय

SECTION - 2 GENERAL AWARENESS

38. 'Prime Minister's Police Medal for Life Saving' is awarded by-
 (1) Ministry of Home Affairs
 (2) Intelligence Bureau
 (3) Bureau of Police Research and Development
 (4) The Indian Police Foundation
39. Which among the following are called as Shiksha Mitras?
 (1) Teachers for primary school
 (2) Teachers for science college
 (3) Teachers for arts college
 (4) Teachers for middle school
40. China's Great Wall Motor Company signs MoU with which Indian state Government to invest \$ 1 billion in the state?
 (1) Rajasthan
 (2) Punjab
 (3) Gujarat
 (4) Maharashtra

41. What do you mean by 'chak-bandhi'?

- (1) Consolidation of land
- (2) Consolidation of property
- (3) Consolidation of family
- (4) Consolidation of tax

42. Which chemical is responsible for the green colour in fire-work displays?

- (1) Strontium carbonate
- (2) Sodium nitrate
- (3) Barium chloride
- (4) Copper chloride

43. The salt March led by Mahatma Gandhi against British was held between which of the following places India?

- (1) Bhavnagar to Dandi
- (2) Junagadh to Dandi
- (3) Rajkot to Dandi
- (4) Ahmedabad to Dandi

44. How many trophies will be presented to the winner if the 'Best Police Training Institutions' of the CAPFs/CPOs every year? (Abbreviations carry their usual meaning)

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

45. Cultivation of grapes is usually known as

- (1) Sericulture
- (2) Aviculture
- (3) Moriculture
- (4) Viticulture

46. Quit India Movement 1942 was fought in Jharkhand under the leadership of which leader?

- (1) Jaipal Singh
- (2) Choona Ram Mehto
- (3) Ramnath soren
- (4) Ram Bhagat

47. Match the officials during the reign of emperor Akbar in List with their corresponding duties assigned in List.

List I

(1) Wazier

(2) Mir Bakshi

(3) Mir Saman

(4) Chief
Qazi

List II

(i) In charge
of the
imperial
household(ii) Head of
judicial
department(iii) Head of the
military
department(iv) Head of the
revenue
department

(1) (1)-(ii), (2)-(i), (3)-(iv), (4)-(iii)

(2) (1)-(ii), (2)-(iii), (3)-(iv), (4)-(i)

(3) (1)-(iv), (2)-(iii), (3)-(i), (4)-(ii)

(4) (1)-(iii), (2)-(ii), (3)-(iv), (4)-(i)

48. India has chosen the dual model of GST from which country?

- (1) UK
- (2) Canada
- (3) USA
- (4) Japan

49. What is the currency of Armenia called?

- (1) Dram
- (2) Gram
- (3) Dollar
- (4) Rupee

50. Swaminarayan Akshardham is a Hindu Temple complex situated in which of the following places of India?

- (1) Pune.
- (2) Bengaluru
- (3) Mumbai
- (4) Delhi

51. Name the neighbouring nation of India with which India and Japan signed an agreement to jointly develop the East Container Terminal in May 2019.

- (1) China
- (2) Bangladesh
- (3) Maldives
- (4) Sri Lanka

52. How much time does an average user spend on social media day in the globe as per GlobalWebIndex Report 2020?

- (1) 144 Minutes per day
- (2) 110 Minutes per day
- (3) 100 Minutes per day
- (4) 162 Minutes per day

53. Which of the following mountain passes is located in the Uttarakhand State of India?

- (1) Kongka pass
- (2) Lipulekh pass
- (3) Khardung pass
- (4) Lanak pass

54. How many members are there in the National Human Rights Commission (NHRC)?

- (1) 2
- (2) 4
- (3) 8
- (4) 9

55. Which among the following rivers of India derived its name from the Sanskrit word "Lavanavari" that means salt river?

- (1) Chambal
- (2) Banas
- (3) Mahi
- (4) Luni

56. Read the following statements and choose the CORRECT option.

(i) The chola dynasty was a Tamil dynasty that ruled primarily in southern India until the 13th century.

(ii) This chola dynasty originated in the rich ganga river valley.

(1) (i) is TRUE and (ii) is TRUE

(2) (i) is TRUE and (ii) is FALSE

(3) (i) is FALSE and (ii) is TRUE

(4) (i) is FALSE and (ii) is False

57. In the Government of India, during January 2020, the minister of commerce and Industry is

- (1) Smt. Nirmala Sitharaman
- (2) Shri Dharmendra Pradhan
- (3) Shri Piyush Goyal
- (4) Shri Prakash Javadekar

58. Which of the following living beings have compound eyes?

- (1) Dragon fly
- (2) Pigeon
- (3) Frog
- (4) Tuna fish

59. Which among the following countries has built the world's first floating nuclear plant?

- (1) India
- (2) China
- (3) USA
- (4) Russia

60. Which of the following term is related to an unsolicited email?
 (1) Spam (2) News group
 (3) Backbone (4) Updates
61. Which of the following statements is TRUE ..?
 (1) After 1947, the Judicial wing of the Board continued to function at Allahabad, the administrative wing was shifted to Lucknow
 (2) After 1947, the administrative wing of the Board continued to function at Allahabad, the Judicial wing was shifted to Lucknow
 (3) After 1947, both the wings, the Judicial wing and the administrative wing of the Board continued to function at Allahabad
 (4) After 1947, both the wings, the Judicial wing and the administrative wing of the Board shifted to Lucknow
62. Which of the following is the most recent core international human right treaties that entered into force during 2010?
 (1) Committee on the Rights of persons with Disabilities
 (2) Committee on Enforced Disappearances
 (3) Committee on Migrant Workers
 (4) Committed on the Elimination of Discrimination against Women
63. Addition of salts facilitates melting of ice during winter, as it -
 (1) Increases the freezing point of water on the surface of ice
 (2) Lowers the freezing point of water present deep inside ice
 (3) Lowers the freezing point of water on the surface of ice
 (4) Increases the kinetic energy of the water molecules which generates heat
64. Which of the following dates is observed as an International Day of peace?
 (1) 15th September
 (2) 21st September
 (3) 2nd September
 (4) 28th September
65. Which of the following launch vehicles was used in mission Chandrayaan -2?
 (1) GSLV MkIII
 (2) PSLV C11
 (3) GSLV F 11
 (4) PSLV C45
66. Grammy Awards are presented for contribution in which of the following fields?
 (1) Sports (2) Literature
 (3) Music (4) Medicine
67. Which of the following corporation has signed a contract agreement with Nepal's Department of Railways to supply two 1600 HP DEMU train sets in May 2019?
 (1) Rail Vikas Nigam
 (2) Indian Railway Construction Company Limited (IRCON)
 (3) Konkan Railways Corporation Ltd
 (4) Rail Tel Corporation of India
68. Which of the following forces is one of the important agencies of the Government of India involved in the successful conduct of the annual Kailash Mansarovar Yatra since 1982?
 (1) Assam Rifles (AR)
 (2) Central Reserve Police Force (CRPF)
 (3) Indo- Tibetan Border Police Force (ITBP)
 (4) Home Guards
69. Where is the Central Institute for Research on Cotton Technology located?
 (1) Mumbai (2) Nagpur
 (3) Delhi (4) Jaipur
70. Which of the following is the specialised wing of the CRPF that was set up to deal with riot and riot like situations?
 (1) Central Industrial Security Force (CISF)
 (2) National Security Guard (NSG)
 (3) Home Guards
 (4) Rapid Action Force
71. Which of the following functions initially, in year 1831, was exercised by 'Board of Revenue, Uttar Pradesh' was removed during 1932-35?
 (1) Collection of Rent, Revenue and control over collection staff
 (2) Administration of Revenue laws
 (3) Work regarding court of wards
 (4) Settlement operations
72. What is the Chinese currency called?
 (1) Dollar (2) Rupee
 (3) Renminbi (4) Pound
73. Who among the following appoints the Prime Minister of India?
 (1) President of India
 (2) Chief Election Commissioner of India
 (3) Comptroller and Auditor General of India
 (4) Chief Justice of India
74. For administrative Convenience, how many division are present in the state of Uttar Pradesh?
 (1) 18 (2) 22
 (3) 28 (4) 14
75. What is the size of a 2000 rupee note in Indian currency?
 (1) 55mm × 160mm
 (2) 60mm × 166mm
 (3) 66mm × 166mm
 (4) 66mm × 160mm

SECTION - 3
NUMERICAL ABILITY

76. The salary of an employee first increases by 50% and there after decreases by 54%. What was the overall percentage change in his salary?

- (1) 4% increase
- (2) 31% decrease
- (3) 31% increase
- (4) 4% decrease

77. What is the value of the given expression?

$$\sqrt[5]{\frac{3}{2}\sqrt{3^3}}$$

- (1) 3^{90}
- (2) $3^{\frac{1}{6}}$
- (3) $3^{\frac{1}{10}}$
- (4) 3^{30}

78. Area of a circle with radius 'p' units is?

- (1) πp^2 sq. units
- (2) $2\pi p$ sq. units
- (3) πp sq. units
- (4) Zero

79. A lift can carry only 6 people with an average weight of 65kg each. If the average weight of 5 people in the lift is 67.2 kg, then what can be the maximum weight of the sixth person?

- (1) 55 kg
- (2) 64 kg
- (3) 60 kg
- (4) 54 kg

80. A spacecraft travels 6.625 km in 2 hours 20 minutes and further it travels 824 kms in 40 mins. What is the average speed of the spacecraft?

- (1) 2,483 km/hr
- (2) 3,154 km/hr
- (3) 3,256 km/hr
- (4) 4,125 km/hr

81. Which of the following is a mixed number?

- (1) $2\frac{3}{8}$
- (2) $\frac{5}{8}$
- (3) $\frac{2}{3}$
- (4) $\frac{7}{2}$

82. For what value of k the system of equation $2x+3y=5$ and $4x+ky=10$ has infinitely many solutions?

- (1) 1
- (2) 3
- (3) 6
- (4) 0

83. If

- denotes multiplication,
 × denotes addition,
 + denotes division and
 ÷ denotes subtraction,
 then, what is the value of the following expression?

$$40 \times 12 + 3 - 6 \div 60$$

- (1) -44
- (2) 7.95
- (3) 4
- (4) 482.9

84. Which salary increase option should a person choose for maximum salary?

- (1) 10 % increase in salary every quarter
- (2) 40 % increase in salary every year

- (1) a
- (2) b
- (3) Both are the same
- (4) Depends on the salary

85. The total weight of the silver coin with 'A' is 63 grams and that with 'B' is 77 grams. If the weight of the silver coins is an integer and is the same for all the coins then what is the minimum number of coins with 'A' and 'B' together?

- (1) 14
- (2) 11
- (3) 20
- (4) Can't be determined

SECTION - 4
MENTAL ABILITY

86. What is the angle (in degrees) between the minute hand and hour hand at 8 PM?

- (1) 90
- (2) 120
- (3) 150
- (4) 180

87. Given below is a statement followed by two assumptions. Choose the answer as-

- A. If only assumption (i) is implicit in the statement.
- B. If only assumption (ii) is implicit in the statement.
- C. If both assumptions (i) and (ii) are implicit in the statement.
- D. If none of the assumptions is implicit in the statement.

Statement :

Chess is a mind game and needs a lot of thinking to do.

Assumptions:

- (i) Viswanathan Anand is the best chess player in this country.
- (ii) Anand's strategies in chess are unique.

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

88. G walks 20 km towards North. He turns left and walks 40 km. He again turns left and walks 20 km. Finally he moves 20 km after turning to the left. How far is he from his starting position?

- (1) 20 km
- (2) 30 km
- (3) 50 km
- (4) 60 km

89. What is the next number in the series

23, 28, 34, 41, 49, ?

- (1) 52
- (2) 54
- (3) 58
- (4) 61

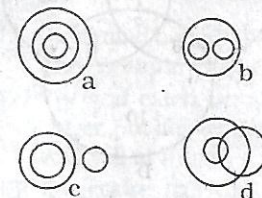
90. Which is the next figure in the series given?

[Note: Choose the right answer from the answer figures given and select an option]

Problem Figures



Answer Figures



- (1) b
- (2) c
- (3) a
- (4) d

91. **Directions:** The question consists of a statement, followed by two arguments numbered I and II. You have to decide which of the given arguments is strong and which argument is weak. **Statement:**

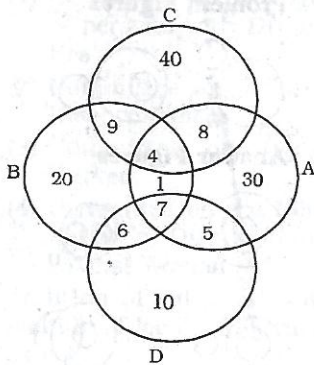
Should Bullet Trains be introduced for the public?

Arguments:

- I. Yes. It reduces the travel time thereby saving time and money.
 - II. No. It should first need a good infrastructure built after which the trains can be introduced.
- A. Only argument I is strong.
 - B. Only argument II is strong.
 - C. Both arguments I and II are strong.
 - D. Neither argument I nor argument II is strong.
- (1) B (2) C
(3) A (4) D

92. The Venn diagram mentioned here gives a report of the number of students who participated in a sports event. There were only four sports conducted in the event. The distribution shows the number of students who participated in four sports A, B, C and D. Based on the information given in the Venn diagram, answer the question given below.

How many students participated in the sports event?



- (1) 150 (2) 140
(3) 129 (4) 128

93. Select one of the following four options that will make the second pair analogous to first pair.

CACTUS : CACSUT :: BUZZER : ?

- (1) REZZUB (2) UZZBER
(3) ZUBREZ (4) UZEZBR

94. Which one of these meaningful words can be made by using the letters in the word "MATURITY"?
- (1) NATURAL
(2) ARMATURE
(3) ATRIUM
(4) RITUAL

SECTION - 5
MENTAL APTITUDE

95. When compared to other cities in country Z, city 'Sahas' faces serious law and order problems. Which of the following reasons could be contributing for such a kind of problem in city 'Sahas' ?
- (1) Planned growth of the city
(2) Unchecked influx of migrants
(3) Lack of disparity in income
(4) Increase in employment opportunities

96. Digital technology has resulted in great business opportunities but it has also increased the concern for information security. Emerging trends of cyber-crimes include which of the following?
- (a) Hacking
(b) Snatching
(c) Phishing
(d) Pickpocketing
(e) Identity theft
- (1) a, b, c and d
(2) b, c and d
(3) a, c and e
(4) c, d and e

97. Ramnath is a widower. Ramnath's only son married an American. Ramnath an orthodox person finds it very difficult to accept his daughter-in-law. He is curt and unfriendly to her. This disturbs his son who deeply loves his wife. He tries to explain to his father but his father is adamant. In such a scenario, Ramnath's son is likely to react in which of the following ways?

- (1) He is likely to divorce his wife and marry again.
(2) He will attempt to keep his father and wife apart.
(3) He will force his wife to respect his father.
(4) He will abandon his father and move to America.
98. Taking up a job that one is interested in can help one in achieving which of the following benefits on the job?
- (1) If one is earning a huge salary, interest in the job is likely to be more.
(2) If one is working in a reputed company, one is bound to be satisfied with his job.
(3) If one has the need for a job, one will be happy to remain on that job
(4) If the job matches one's interest, it is likely to keep one happy on the job.
99. Under a democratic set up the police are allowed to do all of the following EXCEPT:
- (1) Restrict public demonstrations demanding cancellation of certain restrictive policies.
(2) Arrest protesters for damaging public property such as public transport.
(3) Resort to negotiation and not intimidation with people who are protesting.
(4) Prevent any kind of inconvenience to emergency services such as hospitals.
100. David forged his brother's signature on the business documents and cheated him of a huge amount of money. In which of the following ways could David's brother prevent himself from being cheated?
- (a) Setting up separation of duties and dual controls within his own business
(b) The owner should take care of signing all checks and approving all transactions
(c) Creating a system for keeping check books secure
(d) Develop a complex signature with numerous changes of handwriting

- (1) a and b
 (2) a, b, c and d
 (3) c and d
 (4) b, c and d
- 101.** Nag wants to become an actor. Which of the following traits is important for him to become a professional actor?
 (1) Nag should be a swift runner
 (2) Nag must not be afraid of blood
 (3) Nag should be able to convey emotions
 (4) Nag should be scientific in approach
- 102.** Mary got through several rounds of the hiring process to manage the quality assurance team in a leading software company. The job required international travel once in three months. She wanted to be upfront with her employer so she informed them that she was three months pregnant. The interview panel was very pleased with her answer but decided against her selection in spite of her assurances that she will take a minimum parental leave, because she was
 (1) Pregnant
 (2) Inefficient
 (3) Inexperienced
 (4) Complicated
- 103.** Everyday on her way to work Beth sees a group of poor children near their slum playing cricket with sticks and a tennis ball while other children are at school. Beth is single, a part time worker, comes from a well to do family and works just to keep herself occupied. What can Beth do to help these kids?
 (1) Go and spend some time talking to them.
 (2) Buy some bats and balls and give it to them.
 (3) Get her brother to teach them how to play the game correctly.
 (4) Spend a few hours during the week teaching them to read and write.
- 104.** Preeti whose father is the chief minister of the state and Ranjani whose father is a rich farmer are friends. Both Preeti and Ranjani are appearing for the civil service exam. Which of the following is TRUE to Preeti and Ranjani regarding the examination fees collected from them?
 (1) Preeti pays more fees than the fees paid by Ranjani.
 (2) Preeti pays less fees than that paid by Ranjani.
 (3) Both Preeti and Ranjani are exempted from paying fees.
 (4) Both Preeti and Ranjani pay the same amount of fee.
- 105.** Akash, Bharath, Chandu and Damodar are working together. Akash does not hesitate to say 'No' to new commitments if he knows he cannot complete it. Bharath accepts all assignments but fails to complete most of them. Chandu never accepts new work that requires learning because he is scared of change. Damodar is overloaded with work and is always stressed because he is too scared to reject the work given by his boss. Who among the four is mentally tough?
 (1) Damodar (2) Bharath
 (3) Akash (4) Chandu
- 106.** It has been reported that blind commuters in metro train often miss their stops and face great inconvenience to retrace their paths. In which of the following ways can such problem be resolved by the authorities concerned?
 (1) Provide audible 'next stop' announcements to facilitate blind passengers onboard.
 (2) The authorities must immediately prevent blind passengers from using trains independently.
 (3) Provide audible 'next stop' announcements at the stations for passengers benefit.
 (4) The authorities must provide special trains with escorts to all blind passengers.
- 107.** Child custody is the most important problem faced by the couple who seek a divorce. Normally under such circumstances the court decides on the basis of
 (1) the father's position
 (2) the mother's position
 (3) the lawyer's arguments
 (4) the best interest of child
- 108.** Rajan's friend celebrates Diwali every year by bursting crackers. He wishes to advise his friend not to do this and he gives him several reasons for not bursting crackers. Which one of the following reasons do you think would help Rajan's friend to make up his mind to not continue bursting loud crackers?
 It....
 (1) kills all the insects that live among us.
 (2) is your choice to celebrate any festival how you want.
 (3) is an Indian tradition and we should follow all our traditions.
 (4) can aggravate problems associated with lung disease.
- 109.** Kate is driving along the road when she sees that a car is trying to overtake her. She notes that the driver is busy texting on his phone and driving strangely. Which of the following is an appropriate action on the part of Kate?
 (1) Just mind her own business and continue driving.
 (2) Try and catch up with the driver, put her window down and yell at him.
 (3) Overtake the distracted driver, or slow down and let them overtake her.
 (4) Call the police as soon as she notices the man texting on his phone and report it.
- 110.** The British rule in India was based on 'divide and rule' policy. It was the greatest setback to India's national integration. All of the following practices of the British disturbed the Indian communal Harmony EXCEPT:

- (1) They created a difference between Hindu and Muslims on the basis of religion.
- (2) They created differences between rich and poor, rural and urban, upper and lower classes.
- (3) They encouraged linguistic differences, communalism, casteism and regionalism.
- (4) Resentment against their policies created among all Indians a feeling of unity and harmony.

SECTION -6 : IQ TEST

111. If the day before yesterday was Sunday, then what day will it be after 100 days from today?
(1) Sunday (2) Tuesday
(3) Thursday (4) Friday
112. If day after tomorrow is Monday, then what day will it be after 15 days from today?
(1) Thursday (2) Friday
(3) Saturday (4) Sunday
113. Which is the odd one out among the four options?
(1) A #M (2) L #P
(3) U #Y (4) #KJ
114. What comes in the place of question mark in the given series?
ATS, CUT, EVU, ?
(1) KWV (2) HVV
(3) GWV (4) FHG
115. **Instruction:** The below table gives the population of two cities A and B in different time periods. From the information given, answer the question given below.

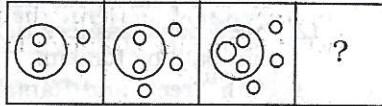
Year	Population of city A (In 1000's)	Population of city B (In 1000's)
1970	45	59
1980	50	63
1990	54	67
2000	62	75
2010	70	82

The ratio of population of city A to population of city B is greatest for which of the following year?

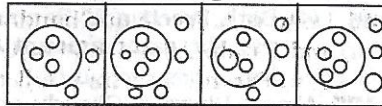
- (1) 1970 (2) 1980
- (3) 2000 (4) 2010

116. Which is the odd one out among the four options?
(1) &300# (2) & 200#
(3) &400# (4) &T00#
117. Which of the answer figures will complete the figural series given in the problem figures?

Problem figures



Answer Figures



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

118. A child who was facing east direction turned 400 degrees in the anti-clockwise direction and then 220 degrees in the clockwise direction. Which direction is he facing now?
(1) East (2) West
(3) North (4) South
119. While calculating the average of 20 distinct two-digit numbers, Tina copied one of the numbers in reverse order, due to which the average obtained was smaller than the actual average by 3.6. What is the difference in the digits of the number?
(1) 36 (2) 8
(3) 4 (4) 16

120. In a certain code, if ORDINARY is coded as ROIDANYR, then what will be the code for PERFECTION?
(1) QFSGFDUJPO
(2) EPFRCEITNO
(3) QFSGUDOPJ
(4) EPFRECNTO

121. Which of the following options will make the second pair analogous to the first pair given as Sleep : Insomnia :: Memory : ?
(1) Haemophilia
(2) Alzheimer's
(3) Diabetes
(4) Ischemia

122. Arrange the words given below in the hierarchy of the positions that they have in an organization.
1. Assistant Manager
2. Manager
3. Deputy General Manager
4. Chief Executive Manager
5. Chief Executive Officer
(1) 1 2 4 3 5 (2) 2 3 1 4 5
(3) 1 3 2 4 5 (4) 2 1 3 5 4

123. In a certain code, if GATE is coded as ETAG, then what will be the code for ROAD?
(1) DAOR (2) DARO
(3) DORA (4) DORO
124. What comes in the place of question mark in the given series?
NOM, QRP, TUS, ?
(1) HTU (2) WXV
(3) WAX (4) WVX

125. 3 times a number added to four times 50% of the same number is 200 more than the number.
Which is the number?
(1) 20 (2) 50
(3) 100 (4) 150
126. A dog runs 20 m towards south direction. it takes a left turn and runs for 10m. Again it turns right and starts running. Which direction is the dog facing now?
(1) East
(2) West
(3) South-West
(4) South

127. If sam means Ben, Ben means Jam and Jam means Ren, then what does Ben mean?
(1) Sam (2) Jam
(2) Ren (4) Ben

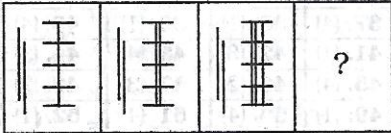
128. Arrange of the geometrial figures given below in the ascending order of the number of sides that they have and select an option.
(a) Straight line
(b) Pentagon
(c) Square
(d) Octagon
(e) Decagon
(1) a b c d e (2) c b d e a
(3) a c b d e (4) c a b d e

129. Heena is the daughter of the brother of Ravi's father mahesh. Vikram is Heena's brother How is vikram related to mahesh's mother?

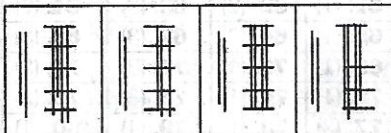
- (1) son (2) Brother
- (3) Nephew (4) Grandson

130. Which of the answer figures will complete the figural series given in the problem figures?

Problem Figures



Answer Figures



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

**SECTION - 7
REASONING ABILITY**

131. Which of the given option will NOT share the same property as the elements of the given set:

- (67, 71, 59, 97, 89)?
- (1) 47 (2) 43
 - (3) 37 (4) 39

132. Two trains running in the same direction cross a man standing on the platform in 15 seconds and 25 seconds respectively and they cross each other in 18 seconds. The ratio of their speeds is

- (1) 31 : 2 (2) 43 : 3
- (3) 34 : 3 (4) 7 : 3

133. Select one of the following four options that will make the second pair analogous to the first pair.

Library : Books :: School : ?

- (1) Newspapers
- (2) Students
- (3) Buildings
- (4) Laboratory

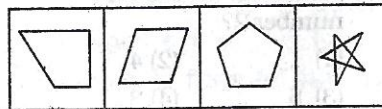
134. Ruby knows that her father's age is more than 55 years but less than 57 years. Ruby's mother remembers that her husband's age is more than 57 years but less than 60 years. Rohan, who is Ruby's elder brother knows that his father's age is more than 58 years but less than 64 years. If only Ruby's mother and brother know it right, then what is the age of Ruby's father in years?

- (1) 59 (2) 58
- (3) 57 (4) 55

135. Dolly is taller than Chandra and Farah. Anand is shorter than Farah, Chandra is taller than Anand. Dolly is shorter than Bharat. Who among them is 3rd tallest if Chandra's height is 6 cm more than Farah's height?

- (1) Farah (2) Anand
- (3) Chandra (4) Dolly

136. Among the given group of 4 images, which set of images can be classified as a group?



- (1) (1, 2, 3) (2) (1, 2, 4)
- (3) (1, 3, 4) (4) (2, 3, 4)

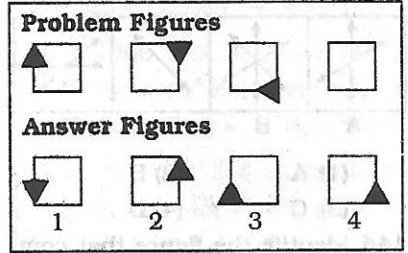
137. Virat scored 150 runs including 11 sixes and 5 boundaries. What percent of the total score did he make by hitting sixes?

- (1) 62% (2) 50%
- (3) 44% (4) 39%

138. P is the father of K. J is the niece of X. R is the mother of J. K is the brother of X. P has only two children. Which of these statements is TRUE?

- (1) X is the sister -in-law of R
- (2) X is the brother of K
- (3) P is the father of X
- (4) X is the uncle of J

139. Identify the figure that completes the visual series.



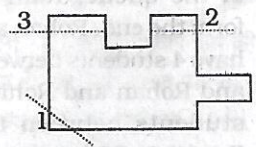
- (1) 1 (2) 2
- (3) 3 (4) 4

140. Sachin's age 5 years ago was $\frac{1}{2}$ of his age 10 years hence.

What is the present age of Sachin?

- (1) 36 years (2) 25 years
- (3) 20 years (4) 15 years

141. A paper sheet is in the form of a shape given below. It is cut along the given dotted lines in the sequence as mentioned. How many edges would the resultant paper sheet have, after the cuts?



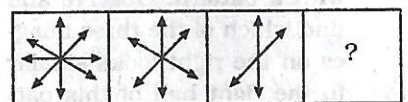
- (1) 12 (2) 13
- (3) 14 (4) 16

142. Three out of the four options are similar based on the positions of alphabet. Find the odd one out.

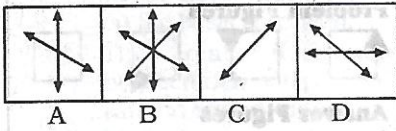
- (1) TUF (2) YZA
- (3) WVJ (4) OPK

143. Identify the figure that completes the visual series.

Problem Figures



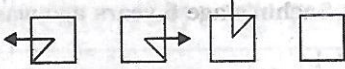
Answer Figures



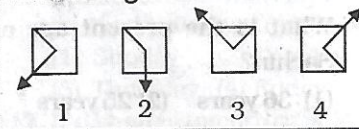
- (1) A (2) B
(3) C (4) D

144. Identify the figure that completes the visual series.

Problem Figures



Answer Figures



- (1) 1 (2) 2
(3) 3 (4) 4

145. Rohit, Rohan and Rani are three friends standing in a queue to pay their fees in the administrative office. Rohit stands 9th from the beginning of the queue. Rani is 14th from the end. Rohan and Rani have 4 students between them and Rohan and Rohit have 5 students between them. If Rani is in 20th position from the beginning, then Rohan's position from the end of the queue is

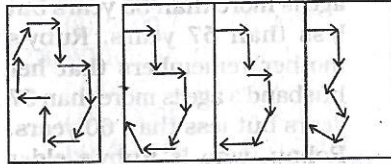
- (1) 24th (2) 19th
(3) 18th (4) 9th

146. Which number replaces the question mark (?) in the series given below?

2, 1, 0, -3, -24, ?

- (1) -264 (2) -267
(3) -270 (4) -273

147. A figure is given on the left with a pattern. Observe and find which of the three images on the right looks similar to the right half of this pattern?



- (1) 1 (2) 2
(3) 3 (4) Both 2 and 3

148. Which of these pair of figures CANNOT join together to form a parallelogram?

- (1) Two trapeziums
(2) Two parallelograms
(3) Two triangles
(4) Two circles

149. A dice is taken. Numbers from 1 to 6 are written on its faces. The faces with numbers 1 and 4 are adjacent to each other. Number 6 is on the face opposite to the face with number 3. Number 2 is not on the face opposite to face with number 4. Which of these numbers would be opposite to number 2?

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

150. Select one of the following four options that will make the second pair analogous to the first pair.

- PARROT : GREEN :: CROW : ?
(1) YELLOW (2) RED
(3) BLACK (4) WHITE

ANSWERS

1. (4)	2. (1)	3. (3)	4. (2)
5. (4)	6. (4)	7. (1)	8. (2)
9. (2)	10. (3)	11. (4)	12. (2)
13. (2)	14. (3)	15. (3)	16. (3)
17. (3)	18. (1)	19. (2)	20. (4)
21. (3)	22. (2)	23. (1)	24. (3)
25. (2)	26. (1)	27. (1)	28. (1)
29. (3)	30. (3)	31. (4)	32. (4)
33. (3)	34. (2)	35. (4)	36. (2)
37. (4)	38. (1)	39. (1)	40. (4)
41. (1)	42. (3)	43. (4)	44. (3)
45. (4)	46. (2)	47. (3)	48. (2)
49. (1)	50. (4)	51. (4)	52. (1)
53. (2)	54. (2)	55. (4)	56. (1)
57. (3)	58. (1)	59. (4)	60. (1)
61. (1)	62. (2)	63. (3)	64. (2)
65. (1)	66. (3)	67. (3)	68. (3)
69. (1)	70. (4)	71. (3)	72. (3)
73. (1)	74. (1)	75. (3)	76. (2)
77. (3)	78. (1)	79. (4)	80. (1)
81. (1)	82. (3)	83. (3)	84. (*)
85. (3)	86. (2)	87. (3)	88. (1)
89. (3)	90. (1)	91. (2)	92. (2)
93. (3)	94. (3)	95. (2)	96. (3)
97. (*)	98. (*)	99. (1)	100. (4)
101. (3)	102. (*)	103. (4)	104. (3)
105. (3)	106. (1)	107. (4)	108. (4)
109. (*)	110. (4)	111. (3)	112. (4)
113. (4)	114. (3)	115. (4)	116. (4)
117. (3)	118. (2)	119. (2)	120. (2)
121. (2)	122. (1)	123. (1)	124. (2)
125. (2)	126. (4)	127. (1)	128. (3)
129. (4)	130. (3)	131. (4)	132. (4)
133. (2)	134. (1)	135. (3)	136. (1)
137. (3)	138. (3)	139. (3)	140. (3)
141. (2)	142. (3)	143. (3)	144. (2)
145. (2)	146. (2)	147. (2)	148. (4)
149. (1)	150. (3)		

EXPLANATIONS

- (4) प्रस्तुत अनुच्छेद के अनुसार, अतीत के विषय में जानने की लालसा भारतीय विद्वानों के पुनर्जागरण संबंधी विचारों को पढ़कर बढ़ जाती है।
- (1) उपर्युक्त गद्यांश के अनुसार एक हिन्दी भाषी प्रांत में 'दयानंद' को जूते की माला से स्वागत किया गया था।
- (3) कट्टरपंथी और रूढ़िवादी लोगों द्वारा नए विचारों के विरोध के फलस्वरूप ब्रह्म समाज जी अत्यधिक पुरातनपंथी हो गया।

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4. (2) 'ब्रह्मन समाज' की स्थापना राजा राममोहन राय ने की थी, जबकि दयानंद सरस्वती ने आर्य समाज की स्थापना की थी।
विकल्प में दिए गए अन्य कथन सत्य है।
5. (4) प्रस्तुत गद्यांश के अनुसार, दयानंद सरस्वती को शास्त्रार्थ में हरा दिया गया था।
6. (4) 'परोपकार' का संधि विच्छेद 'पर + उपकार' होगा। 'परोपकार' में 'गुण संधि' है।
महा+औज-: महौज।
पौ + अक - : पांवक।
नौ + इक - : नाविक।
7. (1) 'जो पहले कभी न हुआ हो', को व्यक्त करने वाला एक शब्द 'अभूतपूर्व' होगा।
8. (2) दिए गए वाक्य में रिक्त स्थान की पूर्ति हेतु उचित शब्द 'अपने आप' है। पूर्ण वाक्य -:अभिषेक अपने आप घर चला गया।
9. (2) 'रूकोगी नहीं राधिका' उषा प्रियंवदा द्वारा रचित लघु उपन्यास है।
मृदुला गर्ग द्वारा रचित प्रमुख रचनाएँ हैं- 'उसके हिस्से की घूप', 'कठगुलाब', 'चित्रकोबरा', 'मिलजुल मन', 'वंशज', 'अनित्य' आदि।
10. (3) 'बाग-बाग होना' मुहावरे का सही अर्थ 'खुश होना' है।
वाक्य प्रयोग:- जब रमेश अपनी कक्षा में प्रथम आया तो उसके माता-पिता का दिल बाग-बाग हो गया।
11. (4) 'सुधी', 'मनीषी', 'बुध' शब्द 'गुरु' के पर्यायवाची हैं। गुरु के अन्य पर्यायवाची शब्द- कोविद, शास्त्रवेत्ता, मर्मज्ञ, प्रज्ञ, धीमान्, ज्ञानी, सुज्ञ आदि।
12. (2) 'पयोधि', 'सिंधु', 'वारीश' शब्द 'समुद्र' के पर्यायवाची हैं। समुद्र के अन्य पर्यायवाची हैं-सागर, पारावार, रत्नाकार, जलधि, नदीश आदि।
13. (2) 'मलवे का मालिक' कहानी के कहानीकार 'मोहन राकेश' है। 'मोहन राकेश' नई कहानी आंदोलन के सशक्त हस्ताक्षर हैं। इनके द्वारा रचित प्रमुख कृतियाँ हैं-आषाढ़ का एक दिन, आधे-अधूरे, लहरों के राजहंस (नाटक), अंतराल, न आने वाला कल, अंधेरे बंद कमरे (उपन्यास), आखिरी चट्टान (यात्रा-वृत्तान्त)।

14. (3) 'वधूत्सव' का संधि-विच्छेद 'वधु + उत्सव' है।
वधुत्सव (ऊ + उ = ऊ) में दीर्घ संधि है।
15. (3) दिए गए वाक्यों में से शुद्ध वाक्य है-
'वह क्या जाने कि मैं कैसे जी रहा हूँ'
16. (3) क्रिया के कार्य का फल जिस पर पड़ता है, वह 'कर्म कारक' कहलाता है। इसका विभक्ति चिह्न 'को' है।
17. (3) वर्ष 2014 का व्यास सम्मान 'कमल किशोर गौयनका' को उनकी रचना 'प्रेमचंद की कहानियों का काल-क्रमानुसार अध्ययन' के लिए दिया गया।
18. (1) 'निंदा' का विलोम शब्द 'स्तुति' है। 'सम्मान' का विलोम 'अपमान' तथा 'द्वेष' का विलोम 'राज' होगा।
19. (2) 'साहित्य अकादमी पुरस्कार' भारत सरकार द्वारा दिया जाने वाला एक साहित्यिक समान है, जो भारतीय संविधान की आठवीं अनुसूची में शामिल 22 भाषाओं एवं राजस्थानी और अंग्रेजी भाषा सहित कुल 24 भाषाओं में प्रदान किया जाता है। इस पुरस्कार का प्रारंभ 1955 ई. में हुआ। वर्ष 1962 में इस प्रकार का वितरण नहीं किया गया था।
20. (4) दिए गए विकल्पों में से 'नींद' तद्भव शब्द है। 'नींद' का तत्सम 'निद्रा' होगा। 'दंड' का तद्भव 'डंडा' तथा 'कोकिला' का तद्भव रूप 'कोयल' होगा।
21. (3) दिए गए वाक्य में रिक्त स्थान की पूर्ति हेतु उपयुक्त शब्द 'किसने' होगा।
पूर्ण वाक्य :- गिलास किसने तोड़ा ?
22. (2) 'विरोधी पक्ष का' वाक्यांश के लिए एक सार्थक शब्द 'विपक्षी' है।
23. (1) 2019 का व्यास सम्मान हिन्दी की प्रसिद्ध लेखिका 'नासिरा शर्मा' को उनके उपन्यास 'कागज की नाव' के लिए दिया गया। वर्ष 2016 में इन्हें 'पारिजात' उपन्यास के लिए 'साहित्य अकादमी पुरस्कार' से सम्मानित किया गया।
24. (3) दिए गए तत्सम-तद्भव युग्म में से 'चक्र-गोला' सही नहीं है। 'चक्र' का तद्भव 'चक्का' होगा।

25. (2) 'पुरुषोत्तम अग्रवाल' हिन्दी के प्रमुख कवि, आलोचक व कथाकार हैं। इन्होंने 1996 ई. में अपनी आलोचना पुस्तक 'तीसरा रूख' के लिए 'देवी शंकर अवस्थी सम्मान' से सम्मानित किया गया।
26. (1) 'अवधी' हिन्दी क्षेत्र की एक उपभाषा है। कोसल क्षेत्र की भाषा होने के कारण इसे 'कोसली के नाम से जाना जाता है, इसका अन्य नाम 'बैसवाड़ी' भी मिलता है। गोस्वामी तुलसीदास द्वारा रचित रामचरितमानस तथा जायसी की 'पद्भावत' की भाषा अवधी है।
27. (1) वाक्य में काम करने वाले को 'कर्ता' कहते हैं।
कर्ता का विभक्ति चिह्न 'ने' है।
जिसपर काम का प्रभाव पड़े उसे 'कर्म' कहते हैं।
कर्म का विभक्ति चिह्न 'को' है।
जिसके द्वारा कर्ता काम करे उसे 'करण' कहते हैं। 'करण' का विभक्ति चिह्न 'से' द्वारा होता है।
28. (1) दिए गए विकल्पों में से 'उज्वल' शब्द तत्सम है। 'इकट्टा' का तत्सम रूप 'एकत्र' तथा 'कैवल' का तत्सम रूप 'कमल' होगा।
29. (3) 'मैं भंगी हूँ' भगवान दास की आत्मकथा है। यह एक दलित आत्मकथा है। इस आत्मकथा का प्रकाशन 1981 में हुआ, जो दलित साहित्य में एक कालजयी कृति बन चुकी है।
30. (3) 'बच्चा' शब्द का विलोम 'बुढ़ा' होगा।
'रग-विराग' व्यष्टि-समष्टि, उत्तम-अधम विकल्प युग्म सही है।
31. (4) सही सुमेलन इस प्रकार है-
(1) चित्त भी मेरी पट भी मेरी - (1) दोनों ओर से लाभ चाहना।
(2) चोर की दाढ़ी में तिनका - (2) अपराधी भयभीत रहता है।
(3) नाच न जाने आँगन टेढ़ा - (3) अयोग्यता का दोष दूसरों को देना।
(4) नेकी कर दरिया में डाल - (4) भला करके भूल जाना चाहिए।

32. (4) भारतेन्दु युगीन प्रमुख कवियों में भारतेन्दु हरिश्चंद्र, बद्री नारायण प्रेमधन, प्रताप नारायण मिश्र, राधाकृष्ण दास, अम्बिका दत्त व्यास और ठाकुर जगमोहन सिंह शामिल थे।
33. (3) मार्तण्ड, अर्क, अंशुमाली शब्द 'सूर्य' के पर्यायवाची है।
'सूर्य' के अन्य पर्यायवाची हैं-रश्मि, दिनकर, आदित्य, पतंग, दिवाकर, भानु आदि।
34. (2) दिए गए विकल्पों में से सही वाक्य है-
'मैं रविवार को तुम्हारे घर आऊँगा।'
35. (4) प्रस्तुत विकल्पों में से 'भोजपुरी' भारतीय संविधान में 22 भाषाओं के अन्तर्गत शामिल नहीं है, जबकि मैथिली, मणिपुरी तथा बोडो भाषा शामिल है।
36. (2) 'पेड़ से गिर पड़ा' वाक्यांश में अपादान कारक प्रयुक्त हुआ है। संज्ञा के जिस रूप से एक वस्तु का दूसरी से अलग होना पाया जाए वह 'अपादान कारक' कहलाता है।
37. (4) 'महाकाय' शब्द 'असुर' का पर्यायवाची नहीं बल्कि 'गणेश' का पर्यायवाची है।
'असुर' के पर्यायवाची शब्द हैं-राक्षस, दनुज, राक्षस, निशाचर, रजनीचर निशिचर, दानव आदि।
38. (1) The Prime Minister's Police Medal for Life Saving is awarded by the Union Ministry of Home Affairs. It was instituted in 1958 to encourage policemen of all ranks to bring help and succour to the afflicted. It is awarded to police personnel within the territory of India who have done outstanding work in saving life. The recipients are presented Medals in the All India Police Duty Meet.
39. (1) Shiksha Mitras are contractual teachers who provide education in primary schools. The objective of recruiting Shiksha Mitras was to maintain teacher and student ratio in primary schools by hiring para teachers at a lesser monthly salary. They are also known as para teachers of assistant teachers. They help in the universalization of elementary education.
40. (4) Chinese auto major Great Wall Motor (GWM) in June 2020 signed a memorandum of understanding with the Maharashtra government for its manufacturing facility in the state which it had acquired from General Motors (GM). The company will invest \$1 billion (about Rs 7,600 crore) in India in a phased manner with estimated employment for over 3,000 people.
41. (1) Land consolidation is known as 'chakbandi' in Northern India. It involves re-adjustment and rearrangement of fragmented land parcels to form larger and more rational land holdings. Land consolidation is aimed to improve rural infrastructure and to improve environmental sustainability and agriculture.
42. (3) The colors in fireworks are created by the use of metal salts. The presence of barium chloride produces green fireworks. Other metal salts commonly used in firework displays include: strontium carbonate (red fireworks), calcium chloride (orange fireworks), sodium nitrate (yellow fireworks), and copper chloride (blue fireworks).
43. (4) The Salt March, also known as the Dandi March, was an act of non-violent civil disobedience in colonial India led by Gandhi to produce salt from the seawater in the coastal village of Dandi in Gujarat. The 24-day march began from Sabarmati Ashram in Ahmedabad on 12 March 1930 and ended with Gandhi breaking salt laws at Dandi (called Navsari at that time) on 6 April 1930.
44. (3) Every year, the Union Ministry of Home Affairs awards six Trophies in all for the best police Training institutions in the country, three for the CAPFs/CPOs training institutions and three for the State/
- UTs Police Training Institutions. For CAPFs/CPOs, there are three categories for the trophy viz.
"Best Training Institute for the training of Gazetted Officers,
"Best Training Institute for the training of Non-Gazetted Officers and
"Best Training Institute for the training of Other Ranks (Constables).
45. (4) Viticulture (from the Latin word for vine) refers to the cultivation and harvesting of grapes. It is a branch of the science of horticulture. It is practice of cultivating grapevines, usually with the overall goal of producing fruit that is suitable for some specific end purpose.
46. (2) The Quit India Movement in Jharkhand was led by Choona Ram Mahto and Govinda Mahto. A member of the then Manbhum Congress, Choona Ram participated in the Quit India Movement. With 'Bande Mataram' in high tone of voice and holding the Tricolor in his arms, he led villagers against the British Raj. However, he was shot dead by Police Officer Bhagwan Sahay.
47. (3) The correct match is as follows:
"Wazir: Head of the revenue department; he looked after revenue and finance
"Mir Bakshi: Head of the military department; he played role in recruitment of soldiers, listing of mansabdars and important officials;
"Mir Saman: He was head of the Department in charge of royal households (Karkhanas);
"Chief Qazi: Head of Judicial Department
48. (2) India has chosen the Canadian model of dual GST as it has a federal structure where the Centre and states have the powers to levy and

- collect taxes. In India, GST is divided under a Central Goods and Services Tax and a State Goods and Services Tax that are levied on the taxable value of every transaction of supply of goods and services. Unlike India, Canada gives options to provinces to go for state or central GST.
49. (1) The dram is the monetary unit of Armenia. The word "dram" translates into English as "money" and is cognate with the Greek drachma and the Arabic dirham, as well as the English weight unit dram. It was historically subdivided into 100 luma.
50. (4) Swaminarayan Akshardham is a Hindu temple, and spiritual-cultural campus that is located in New Delhi. The temple was officially opened on 6 November 2005 by Pramukh Swami Maharaj. It is similar to its predecessor Swaminarayan Akshardham in Gandhinagar, Gujarat.
51. (4) Sri Lanka on 29 May 2019 signed a deal with India and Japan to develop a deep-sea container terminal in the country. The three countries will jointly build the East Container Terminal at the Port of Colombo. The involvement of India and Japan is the project is being seen as a big development aimed at neutralizing the growing influence of China.
52. (1) According to the Global Web Index report 2020, the average time spent on social media per day in 2020 is 2 hours 24 minutes globally for users aged 16 to 64 on any device. The total of 144 minutes is a 1.4% increase from 142 minutes in 2019, and up 38% in the past 5 years.
53. (2) Lipulekh is a Himalayan pass on the border between India's Uttarakhand state and the Tibet region of China, near their trijunction with Nepal. Nepal has ongoing claims to the southern side of the pass, called Kalapani territory, which is controlled by India. This pass is used by pilgrims to Kailas and Manasarovar.
54. (2) The NHRC consists of the Chairman and four members (excluding the ex-officio members).
"A Chairperson, who has been a Chief Justice of India or a Judge of the Supreme Court."
"One member who is, or has been, a Judge of the Supreme Court of India, or, One member who is, or has been, the Chief Justice of a High Court."
"Three Members, out of which at least one shall be a woman to be appointed from amongst persons having knowledge of, or practical experience in, matters relating to human rights."
55. (4) Luni, the largest river in the Thar desert, is also known as the Lavanavari or Lavana-vati, which means "salt river" in Sanskrit, due high salinity of its water. It originates in the Pushkar valley of the Aravalli Range, near Ajmer, passes through the southeastern portion of the Thar Desert, and ends in the marshy lands of Rann of Kutch in Gujarat.
56. (1) The Chola dynasty was a Tamil dynasty that ruled primarily in southern India until the 13th century CE. The dynasty originated in the fertile valley of the Kaveri River. The heartland of the Cholas was the fertile valley of the Kaveri River, but they ruled a significantly larger area at the height of their power from the later half of the 9th century till the beginning of the 13th century.
57. (3) Piyush Goyal is the Minister of Railways and Minister of Commerce & Industry in the Government of India. He is a Member of the Upper House of the Parliament of India (Rajya Sabha), and the Deputy Leader of Rajya Sabha. He was earlier the Minister of Railways and Coal (2017 - 19).
58. (1) Compound eyes are eyes that are composed of up to thousands of much smaller lenses, allowing them to have a very large view angle in comparison to simple eyes. Such eyes are found in arthropods such as insects and crustaceans. Dragonflies (and bees) have the largest compound eyes of any insect. Each of their compound eyes contain up to 30,000 facets.
59. (4) The world's first floating nuclear power plant is currently being built at the Babitsky Zavod shipyard in Saint Petersburg, Russia. This site, known as Akademik Lomonosov, is the property of the Russian nuclear operator Rosenergoatom. It contains two KLT-40C naval propulsion reactors with a 35 MWe capacity each.
60. (1) Unsolicited bulk email messages are commonly called junk mail or spam. It involves nearly identical messages sent to numerous recipients by email. Definitions of spam usually include the aspects that email is unsolicited and sent in bulk. The opposite of "spam", email which one wants, is called "ham", usually when referring to a message's automated analysis.
61. (1) The Board of Revenue of Uttar Pradesh was established at Allahabad in the year of 1831. After India's Independence in 1947-48, the administrative and judicial functions of the Board were separated. While the Judicial wing of the Board continued to function at Allahabad, the administrative wing was shifted to Lucknow. This arrangement is continuing since then.
62. (2) The International Convention for the Protection of All Persons from Enforced Disappearance (ICPPED) is a Core International Human Rights instrument that entered into force on 23 December 2010. It

is an international human rights instrument of the United Nations and intended to prevent forced disappearance defined in international law, crimes against humanity. The text was adopted by the United Nations General Assembly on 20 December 2006.

63. (3) The reason that the application of salt causes ice to melt is that a solution of water and dissolved salt has a lower freezing point than pure water. When added to ice, salt first dissolves in the film of liquid water that is always present on the surface, thereby lowering its freezing point below the ice temperature. Ice in contact with salty water therefore melts, creating more liquid water, which dissolves more salt, thereby causing more ice to melt, and so on. The higher the concentration of dissolved salt, the lower its overall freezing point.
64. (2) The International Day of Peace, sometimes officially known as World Peace Day, is a United Nations-sanctioned holiday that is observed annually on 21 September. To inaugurate the day, the United Nations Peace Bell is rung at UN Headquarters (in New York City). The day was first celebrated in 1981.
65. (1) Chandrayaan-2 was launched on board the GSLV MK III M1 launch vehicle on 22 July 2019. The spacecraft was launched on its mission to the Moon from the second launch pad at the Satish Dhawan Space Centre in Andhra Pradesh on 22 July 2019.
66. (3) The Grammy Award (stylized as GRAMMY, originally called Gramophone Award), or just Grammy, is an award presented by the Recording Academy to recognize achievements in the music industry. It is considered one of the four major annual American entertainment awards, along with the Academy Awards (film), the Emmy Awards (television), and the Tony Awards.

67. (3) Konkan Railways Corporation Ltd on 10 May 2019 signed a contract agreement with Nepal's Department of Railways to supply two 1600 HP DEMU train sets. These trains will be used to operationalise railway link between Jayanagar in India and Kurtha in Nepal.
68. (3) The Indo-Tibetan Border Police Force is one of the important agencies of the Government of India that is involved in the successful conduct of the Annual Kailash Mansarovar Yatra since 1982. It carries out this responsibility along with the Ministry of External Affairs, Ministry of Home Affairs, the Kumaon Mandal Vikas Nigam and the Government of Uttarakhand.
69. (1) The Central Institute for Research on Cotton Technology (CIRCOT) is located in Mumbai, Maharashtra. It is one of the premier constituent institutes of the Indian Council of Agricultural Research (ICAR), under the Department of Agricultural Research and Education (DARE), Ministry of Agriculture, Government of India. It was established in 1924.
70. (4) The Rapid Action Force (RAF) is a specialised wing of the Central Reserve Police Force of India to deal with riot and crowd control situations. RAF was raised on 11 December 1991 with headquarters in New Delhi. It became fully operational on 7 October 1992, to deal with riots, riot like situations, crowd control, rescue and relief operations, and related unrest.
71. (3) When established in 1831, the main function of the Board of Revenue were as follows :-
"Collection of Rent, Revenue and control over collection staff."
"Administration of Revenue laws."
"Administration of tax laws relating to stamps, Excise,

- opium and Income tax."
"Work regarding Court of wards."
"Judicial work regarding Revenue laws."
"Explanation: Settlement operations."
In 1934, the court of wards work was taken from the Board.
72. (3) The renminbi is the official currency of China and one of the world's reserve currencies. The yuan is the basic unit of the renminbi. The renminbi is issued by the People's Bank of China, the monetary authority of China. It is sometimes referred to as the "red-back," a play on "green-back", the casual term for the US dollar.
73. (1) Article 75 says that India shall have a Prime Minister whose appointment shall be made by the President. The Prime Minister is the leader of the majority party in Lok Sabha. He is also the leader of the Council of Ministers. The President is the only nominal ruler while the real executive powers are envisaged in the Prime Minister.
74. (1) The state of Uttar Pradesh comprises 18 administrative divisions. Within these 18 divisions, there are a total of 75 districts. Some of the divisions are: Agra, Aligarh, Allahabad, Azamgarh, Bareilly, Basti, Chitrakoot, Deopatan, Faizabad, Gorakhpur, Jhansi, Kanpur, Lucknow, Meerut, Mirzapur, Moradabad, Saharanpur, and Varanasi
75. (3) The new Rs. 2000 banknote is a 66 mm × 166 mm Magenta coloured note. Its obverse side features a portrait of Mahatma Gandhi, the Ashoka Pillar Emblem, and the signature of Reserve Bank of India Governor. It was released by the Reserve Bank of India (RBI) on 8 November 2016 after the demonetisation of Rs. 500 and Rs. 1000 banknotes.

76. (2) Overall percentage charge
 $= (50 - 54 - \frac{50 \times 54}{100})\%$
 $= (-4 - 27)\%$
 $= -31\%$
 $= 31\%$ decrease

77. (3) $\sqrt[5]{3\sqrt{2\sqrt{3^3}}}$
 $= \left[\left((3^3)^{\frac{1}{2}} \right)^{\frac{1}{3}} \right]^{\frac{1}{5}}$
 $= (3^3)^{\frac{1}{2} \times \frac{1}{3} \times \frac{1}{5}}$
 $= 3^{\frac{3 \times \frac{1}{2} \times \frac{1}{3} \times \frac{1}{5}}{1}} = 3^{\frac{1}{10}}$

78. (1) Radius = P unit
 Area of circle = πP^2 Sq. unit
 79. (4) Maximum weight of sixth person
 $= 65 \times 6 - 67.2 \times 5$
 $= 390 - 336.0$
 $= 54$ kg

80. (1) Total distance = $6625 + 824 = 7449$ km.
 Total time = 2 hours 20 minutes + 40 minutes = 3 hours
 Average speed
 $= \frac{\text{Total distance}}{\text{Total time}}$
 $= \frac{7449}{3} = 2483$ km/hr

81. (1) $2\frac{3}{8}$ is a mixed fraction
 82. (3) $2x + 3y = 5$
 $4x + ky = 10$
 For infinitely many solution.

$$\frac{2}{4} = \frac{3}{k} = \frac{5}{10}$$

$$\Rightarrow \frac{1}{2} = \frac{3}{k}$$

$$\Rightarrow k = 3 \times 2 = 6$$

83. (3)
 $\rightarrow \times; \times \rightarrow +; + \rightarrow \div; \div \rightarrow$
 $40 \times 12 + 3 - 6 \div 60$
 Inter changing the sign, we get
 $40 + 12 \div 3 \times 6 - 60$
 $= 40 + 12 \times \frac{1}{3} \times 6 - 60$
 $= 40 + 24 - 60$
 $= 64 - 60$
 $= 4$

84. (*) 10% increase in salary every quarter
 Increase in salary in 1 year
 $= 110\%$ of 110% of 110% of 110% of $100 - 100$

$$= 100 \times \frac{110}{100} \times \frac{110}{100}$$

$$\times \frac{110}{100} \times \frac{110}{100} - 100$$

$$= 146.41 - 100 = \text{Rs. } 46.41$$

40% increase in salary every year
 Increase in salary in 1 year
 \therefore Option (1) should be chosen

85. (3) HCF of 63 & 77 = 7

$$\text{No. of Coins} = \frac{63}{7} + \frac{77}{7}$$

$$= 9 + 11 = 20$$

86. (2)

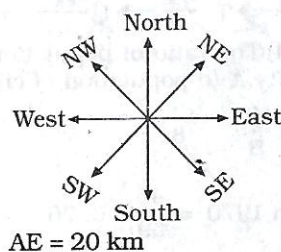
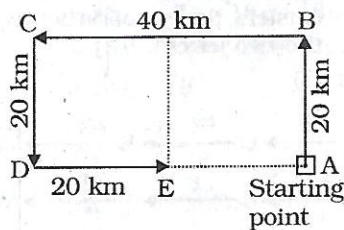


Each minute space = $\frac{360^\circ}{60}$
 $= 6^\circ$

At 8 PM, the minute and hour hands are 20 minute space apart. Therefore, required angle = $6 \times 20 = 120^\circ$

87. (3) Obviously, neither assumption I nor assumption II is implicit is the statement. Therefore, the correct answer is D which is given in the option (3).

88. (1)



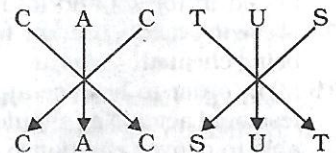
89. (3) $23 + 5 = 28$
 $28 + 6 = 34$
 $34 + 7 = 41$
 $41 + 8 = 49$
 $49 + 9 = 58$

90. (1) In each subsequent figure, one smaller circle moves inside the large circle. Therefore, the correct answer is figure b, which is given in the option (1).

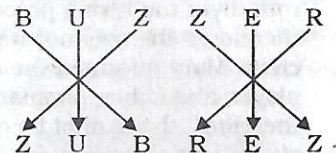
91. (2) Obviously, both the arguments are strong. Bullet train is a faster means of transportation. But, it requires specific rail tracks. Therefore, the correct answer is C, which is given in the option (2).

92. (2) Number of students participated in the sports event
 $= 40 + 9 + 4 + 8 + 20 + 1 + 30 + 6 + 7 + 5 + 10 = 140$

93. (3)



Similarly,



94. (3) There is no 'L' letter in the given word. Therefore, the words NATURAL and RITUAL cannot be formed.

There is no 'N' letter in the given word. Therefore the word NATURAL cannot be formed. There is no 'E' letter in the given word. Therefore, the word ARMATURE cannot be formed.

M A T U R I T Y \rightarrow ATRIUM

95. (2) Planned growth of city, lack of disparity in income and increase in employment opportunities cannot be reasons for law and order problems. Obviously, unchecked influx of migrants may be reason for law and order Problems in city 'Sahas.'

96. (3) Obviously, Hacking, Phishing and Identity theft are associated with cyber-crimes.

97. (*) Ramnath's son is likely to attempt to keep his father and wife apart so that a healthy relation can be maintained. However, this step is not appropriate practically.

NOTE : Considering answer options erroneous, UPPRPB has discarded this question.

98. (*) Obviously, option (4) is the most appropriate answer. If the job is according to one's interest, he/she remains happy and satisfied.

NOTE : UPPRPB is not considering this question for evaluation.

99. (1) Obviously, police are not allowed to restrict public demonstrations demanding cancellation of certain restrictive policies.

100. (4) Obviously, the ways mentioned in (b), (c) and (d) may prevent David's brother from being cheated.

101. (3) In order to become a professional actor, Nag should be able to convey emotions.

102. (*) Mary got through several rounds of the hiring process, therefore, she was not inefficient. Mary informed the employer about her pregnancy, therefore, she cannot be considered as complicated. The interview panel decided against her selection because she was pregnant and the job required international travel once in three months.

NOTE : UPPRPB is not considering this question for evaluation.

103. (4) Obviously, the most appropriate action is to spend a few hours during the week teaching the poor children to read and write.

104. (3) Obviously, both Preeti and Ranjani will not pay any fee for the examination. In order to ensure greater participation of female candidates, female candidates are exempted from fee.

105. (3) Obviously, Akash is mentally tough. He knows his capability and has self confidence.

106. (1) Obviously, this problem can be solved by providing audible 'next stop' announcements. It will facilitate blind passengers onboard.

107. (4) Usually under such circumstances, the court decides on the basis of the best interests of child.

108. (4) Obviously, option (4) is the most convincing reason which would help Rajan's friend to make up his mind not to continue bursting loud crackers. Crackers cause noise pollution and air pollution.

109. (*) Obviously, option (4) is an appropriate action on the part of Kate. Careless driving is dangerous to other vehicles and the rash driver himself.

NOTE : UPPRPB is not considering this question for evaluation.

110. (4) Obviously, option (4) did not disturb the Indian communal harmony.

111. (3) Day before yesterday was Sunday.
Yesterday was Monday.

Today is Tuesday.

100 days = 14 weeks 2 odd days
Therefore, the day after 100 days = Tuesday + 2 = Thursday.

112. (4) Day after tomorrow is Monday.

Tomorrow is Sunday.

Today is Saturday.

15 days = 2 weeks 1 odd day
Therefore, the day after 15 days = Saturday + 1 = Sunday

113. (4) Except '#KJ', in all other clusters, the symbol is between the two letters.

114. (3)

A	$\xrightarrow{+2}$	C	$\xrightarrow{+2}$	E	$\xrightarrow{+2}$	G
T	$\xrightarrow{+1}$	U	$\xrightarrow{+1}$	V	$\xrightarrow{+1}$	W
S	$\xrightarrow{+1}$	T	$\xrightarrow{+1}$	U	$\xrightarrow{+1}$	V

115. (4) The ratio of population of city A to population of city B

$$= \frac{A}{B}$$

$$\text{In 1970} = \frac{45}{59} = 0.76$$

$$\text{In 1980} = \frac{50}{63} = 0.79$$

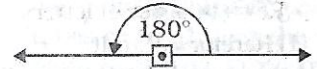
$$\text{In 2000} = \frac{62}{75} = 0.82$$

$$\text{In 2010} = \frac{70}{82} = 0.85$$

116. (4) In option (4), there is a letter 'T' in the place of a digit.

117. (3) In the subsequent figures, one design is added outside the main design and inside the main design alternately.

118. (2) Net rotation of child = (400 - 220) Degree = 180 Degree anticlockwise



Now, he is facing west.

119. (2) After writing the digits of one number in reverse order the average of 20 distinct two-digit numbers was smaller than actual average by 3.6.

Therefore, the difference between the two numbers = $3.6 \times 20 = 72$

Now

$$(10x + y) - (10y + x) = 72$$

$$\Rightarrow 10x + y - 10y - x = 72$$

$$\Rightarrow 9x - 9y = 72$$

$$\Rightarrow 9(x - y) = 72$$

$$\Rightarrow x - y = \frac{72}{9} = 8$$

120. (2)

O	R	D	I	N	A	R	Y
R	O	I	D	A	N	Y	R

Therefore,

P	E	R	F	E	C	T	I	O	N
E	P	F	R	C	E	I	T	N	O

121. (2) The lack of first is called the second. Insomnia is a sleeping disorder known for its symptoms of unrest and the inability to sleep. Similarly, Alzheimer's disease is a disorder involving loss by memory.

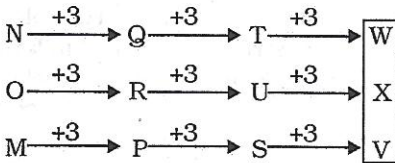
122. (1) Arrangement of words as per hierarchy of the positions:

1. Assistant Manager
- ↓
2. Manager
- ↓
4. Senior Manager
- ↓
3. Deputy General Manager
- ↓
5. Chief Executive Officer

123. (1)

GATE ⇒ ETAG
Reverse order of letters.
Therefore,
ROAD ⇒ DAOR

124. (2)



125. (2) Suppose the number is x .
According to the question

$$3x + \frac{x}{2} \times 4 = x + 200$$

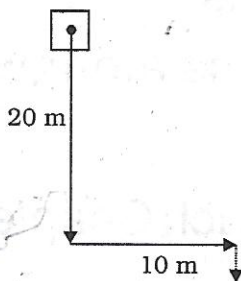
$$\Rightarrow 3x + 2x = x + 200$$

$$\Rightarrow 5x - x = 200$$

$$\Rightarrow 4x = 200$$

$$\therefore x = \frac{200}{4} = 50$$

126. (4)



Now, the Dog is facing south.

127. (1) Ben means Jam, i.e., Jam is called Ben.
Sam means Ben, i.e., Ben is called Sam.

128. (3) Ascending order of the number of sides:

1. Straight line (One line)
- ↓
3. Square (Four sides)
- ↓
2. Pentagon (Five sides)
- ↓
4. Octagon (Eight sides)
- ↓
5. Decagon (Ten sides)

129. (4) Heena is daughter of brother of Mahesh.
Vikram is brother of Heena.
Therefore, Vikram is grandson of Mahesh's mother.

130. (3) In each subsequent figure, one line segment is added touching top to bottom horizontal lines.

131. (4) 67, 71, 59, 97, 89, 47, 43 and 37 are Prime Numbers. 39 is not a Prime Number.
 $39 = 3 \times 13$

132. (4) Suppose the speed of the first train = x
Speed of the second train = y
According to the question

$$D_1 = 15x$$

$$D_2 = 25y$$

$$\frac{15x + 25y}{x + y} = 18$$

$$\Rightarrow 15x + 25y = 18(x + y)$$

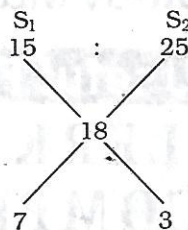
$$\Rightarrow 15x + 25y = 18x + 18y$$

$$\Rightarrow 15x - 18x = -25y + 18y$$

$$\Rightarrow -3x = -7y$$

$$\Rightarrow \frac{x}{y} = \frac{-7}{-3} = \frac{7}{3}$$

OR



133. (2) The second is found in the first. A library is a building in which collections of books, newspapers and magazines are kept for people to read, study or borrow. Similarly, a school is a place where students go to study.

134. (1) According to Ruby's mother, the age of Ruby's father = 58 or 59 years
According to Ruby's brother, the age of Ruby's father = 59, 60, 61, 62 or 63 years
Common age = 59 years

135. (3) Dolly > Chandra, Farah > Anand
Bharat > Dolly
Bharat > Dolly > Chandra > Farah > Anand
Clearly, Chandra is the third tallest.

136. (1) Obviously, figures 1, 2 and 3 can be classified into a group. Figures 1, 2 and 3 are plane geometrical figures.

137. (3) Virat scored 150 runs.
He made $11 \times 6 = 66$ runs hitting sixes.
Required percentage

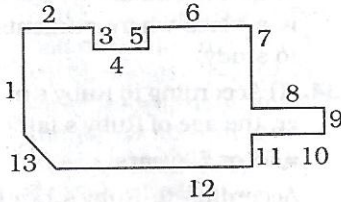
$$= \frac{66}{150} \times 100 = 44\%$$

138. (3) P is father of K and X.
J is daughter of R
J is niece of K and X.
The gender of X is not known.
X is brother or sister of K.
X is paternal aunt or uncle of J.
R is wife of K.

139. (3) In each subsequent figure, the shaded triangle moves one step in the clockwise direction.

140. (3) Suppose the present age of Sachin = x years
According to the question
 $2(x - 5) = x + 10$
 $\Rightarrow 2x - 10 = x + 10$
 $\Rightarrow 2x - x = 10 + 10$
 $\Rightarrow x = 20$ years

141. (2) After the cuts, the given shape would have one more edge than that of the original shape. One edge is increased at cut 1.



142. (3) Except the letter group 'WVJ', in all other letter groups the second and third letters form pairs of opposite letters.

T +1 → U ←→ F
 Y +1 → Z ←→ A
 O +1 → P ←→ K

But,

W -1 → V ←→ J

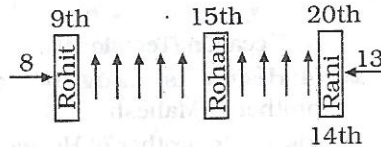
143. (3) In each subsequent figure, one arrow is deleted in clockwise direction.

144. (2) In the subsequent figures, the design rotates through 180° and 90° clockwise alternately.

145. (2) Rani is 14th from the end of the queue.

Rani is 20th from the beginning of the queue.

Total number of friends in the queue = 14 + 20 - 1 = 33



Rohan's position from the end of the queue.

$$= 33 - 15 + 1$$

$$= 34 - 15 = 19 \text{ th}$$

146. (2)

$$2 \times 2 - 3 = 1$$

$$1 \times 3 - 3 = 0$$

$$0 \times 5 - 3 = -3$$

$$-3 \times 7 - 3 = -24$$

$$-24 \times 11 - 3 = -267$$

147. (2) Figure 2 looks similar to the right half of the given pattern.

148. (4) Two circles cannot form a parallelogram.

149. (1) Number 6 is on the face opposite to the face with number 3.

Numbers 1 and 2 are on the faces adjacent to the number 4. Therefore, the number 5 is on the face opposite to the face with number 4.

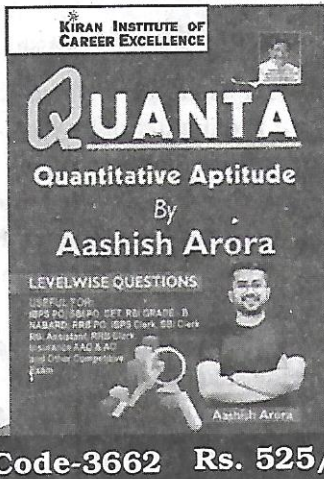
Now, the number 1 is on the face opposite to the face with number 2.

150. (3) The second indicates the colour of the first. The colour of parrot is green. Similarly, the colour of crow is black.



Quanta

by Aashish Arora Sir



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