

सामान्य हिन्दी

1. 'जैसे _____ वैसे नागनाथ' में उपयुक्त शब्द की पूर्ति करें?
 - (1) सोमनाथ
 - (2) साँपनाथ
 - (3) श्यामनाथ
 - (4) रामनाथ
2. अभिव्यक्तिशील व्यंजनों की संख्या _____ है। खाली स्थान को भरें।
 - (1) 33
 - (2) 35
 - (3) 30
 - (4) 40
3. हरिशंकर परसाई साहित्य के किस विधा के लिए प्रसिद्ध हैं?
 - (1) आलोचना
 - (2) कविता
 - (3) व्यंग्य
 - (4) आलोचक
4. हमेशा एकवचन में इस्तेमाल होने वाले शब्द का चयन करें।
 - (1) बोध
 - (2) जीवन, बाल
 - (3) वर्षा, जनता
 - (4) हस्ताक्षर, जनता
5. "भवन का आगे का हिस्सा काफी शानदार है।" _____ इस वाक्य में रेखांकित शब्द के लिए एक विपरीत शब्द का चयन करें।
 - (1) पेज
 - (2) पीछे
 - (3) विपरीत दिशा में
 - (4) आगे
6. परिणामवाचक विशेषण से क्या बोध होता है?
 - (1) कार्य का समय
 - (2) क्रिया का नाप-तौल
 - (3) क्रिया की रीति का
 - (4) क्रिया के स्थान का
7. निम्नलिखित वाक्यों में से कौन-सा संदिग्ध भूतकाल का उदाहरण है?
 - (1) मैं सामान वहीं रखा था
 - (2) मैंने वहीं सामान रखा था
 - (3) मैंने सामान वहीं रखा था
 - (4) मैंने वहीं सामान रखा होगा

8. जयशंकर प्रसाद की पहली कहानी कौन-सी है?
 - (1) गुंडा
 - (2) ग्राम
 - (3) ममता
 - (4) पुरस्कार
9. मानक भाषा की दृष्टि से अशुद्ध शब्द पहचानिए।
 - (1) स्थायी
 - (2) हिंदी
 - (3) हिंदु
 - (4) दायित्व
10. 'यह मास जो चंद्रमा की _____ के अनुसार गिना जाता है, वह _____ कहलाता है। रिक्त स्थानों की पूर्ति करें।
 - (1) गति, मलमास
 - (2) रीति, मलमास
 - (3) गति, चंद्रमास
 - (4) रीति, चंद्रमास
11. 'लुटिया' शब्द का बहुवचन क्या है?
 - (1) लुटियाँ
 - (2) लुटियाएँ
 - (3) लोटे
 - (4) लूटीया

निर्देश (12-14) : गद्यांश के आधार पर प्रश्नों के उत्तर दीजिए :

रस के मूल भाव को स्थायी भाव कहते हैं। यह चित्त का स्थायी मनोविकार है जो विरोधी अथवा अविरोधी, प्रतिकूल अथवा अनुकूल दोनों प्रकार की स्थितियों को आत्मसात कर निरंतर विराजमान रहता है। प्रत्येक रस के पृथक-पृथक स्थायी भाव होते हैं। विभाव, अनुभाव तथा व्यभिचारी भावों से धिरे स्थायी भाव ही रस दशा को प्राप्त करते हैं।

12. प्रत्येक रस के भाव कैसे होते हैं?
 - (1) अस्थायी
 - (2) स्थायी
 - (3) व्यभिचारी
 - (4) अनुभाव
13. _____ 'स्थायी भाव' कहलाता है। रिक्त स्थान की पूर्ति करें।
 - (1) प्रतिकूल तथा अनुकूल स्थितियाँ
 - (2) रस का मूलभाव
 - (3) विरोधी-अविरोधी दशा
 - (4) चित्त का स्थायी मनोविकार
14. 'मनोविकार' शब्द का उचित संधि-विच्छेद छाँटिए।
 - (1) मनो + विकार
 - (2) मनः + विकार
 - (3) मनोः + विकार
 - (4) मन + विकार

15. उत्प्रेक्षा अलंकार कब हो सकता है?
 - (1) उपमेय में उपमान की कल्पना हो।
 - (2) उपमेय एवं उपमान में समानता की स्थापना हो।
 - (3) उपमेय का निषेध कर उपमान की स्थापना हो।
 - (4) जब उपमेय पर उपमान कर आरोप हो।
16. "रात को अचानक वर्षा होने लगी"-में क्रिया विशेषण का कौन-सा भेद है?
 - (1) परिमाणवाचक क्रिया विशेषण
 - (2) स्थानवाचक क्रिया विशेषण
 - (3) रीतिवाचक क्रिया विशेषण
 - (4) कालवाचक क्रिया विशेषण
17. 'जानि श्याम धनश्याम को नाचि उठे वन मोर' - पंक्ति में कौन-सा अलंकार है?
 - (1) संदेह
 - (2) भ्रांतिमान
 - (3) असंगति
 - (4) उत्प्रेक्षा
18. अनुचित लोकोक्ति का चयन कीजिए।
 - (1) आगे कुआँ पीछे खाई
 - (2) अधजल गगरी पलटत जाए
 - (3) अपनी पगड़ी अपने हाथ
 - (4) ऊँची दुकान फीका पकवान
19. 'संगम' शब्द में किस तरह की अशुद्धि है?
 - (1) नुक्ता
 - (2) रंफ
 - (3) अनुनासिक
 - (4) अनुस्वार
20. वर्णमाला का कौन-सा 'अक्षर' पुल्लिंग नहीं है?
 - (1) इ, ई
 - (2) अ, प
 - (3) च, ट
 - (4) ज, आ
21. किस भाषा के लिए सन 1995 में साहित्यकार एम. टी. वासुदेव नायर को ज्ञानपीठ पुरस्कार से सम्मानित किया गया था?
 - (1) कन्नड़
 - (2) तमिल
 - (3) उर्दू
 - (4) मलयालम
22. "राष्ट्र की _____ में ही देशवासियों की _____ निहित है"- वाक्य पूर्ण करें।

- (1) तरक्की, प्रगति
 (2) तरक्की, उन्नति
 (3) प्रगति, उन्नति
 (4) उन्नति, प्रगति
23. 'तरंग' शब्द का सही समानार्थी चयन करें।
 (1) तुरंग (2) अटवी
 (3) केकी (4) उर्मि
24. निम्नलिखित में कौन-सा अर्थालंकार नहीं है?
 (1) विभावना (2) भ्रांतिमान
 (3) श्लेष (4) विरोधाभास
25. निम्नलिखित वाक्यों में से शुद्ध वाक्य का चयन कीजिए।
 (1) उसने वहाँ पहुँचकर शोर मचाया
 (2) मेरे से मत उलझो, घर जाओ।
 (3) उसका घर मेरे को मालुम नहीं।
 (4) मैंने यह कब बोला।
26. 'आनाकानी करना' मुहावरे का सही अर्थ क्या है?
 (1) मना करना
 (2) टाल-मटोल करना
 (3) बुराई करना
 (4) इधर उधर करना
27. 'निंदक नियरे राखिए, आँगन कुटी छवाया।
 बिनु पानी साबुन बिना, निरमल करत सुभाया।'
 -पंक्ति में प्रयुक्त अलंकार बताइए-
 (1) विभावना
 (2) उपमा
 (3) विशेषोक्ति
 (4) विरोधाभास
28. "भक्ति" _____ का प्रसिद्ध _____ रेखाचित्र है। रिक्त स्थानों की पूर्ति करें।
 (1) महादेवी वर्मा, संस्मरण
 (2) सुभद्रा कुमारी, जीवनी
 (3) सुभद्रा कुमारी, संस्मरण
 (4) महादेवी वर्मा, जीवनी
29. 'कृष्ण' शब्द का स्त्रीलिंग शब्द पहचानिए।
 (1) कृषा (2) कृश
 (3) कृष्ण (4) कृष्णा
30. 'माटी की मूर्तें' किस लेखक की रचना है?
 (1) रामचंद्र शुक्ल
 (2) जगदीशचंद्र
 (3) रामवृक्ष बेनीपुरी
 (4) राकेश वर्मा

31. 'संघ की भाषा हिंदी और लिपि देवनागरी होगी-उपयुक्त प्रावधान संविधान के किस अनुच्छेद में वर्णित है?
 (1) 343(3) (2) 345
 (3) 343(2) (4) 343(1)
32. 'वृषभानुजा' किस शब्द का समानार्थी है?
 (1) जानकी (2) राधा
 (3) पार्वती (4) सीता
33. आदर देने एवं बड़प्पन हेतु किस वचन का प्रयोग होता है?
 (1) सदा एकवचन (2) एकवचन
 (3) सदा बहुवचन (4) बहुवचन
34. "हुई वीरता की _____ के साथ सगाई झाँसी में" - सुभद्राकुमारी चौहान की इस पंक्ति को पूर्ण करें।
 (1) वैभव (2) वीरांगना
 (3) कायर (4) सम्पन्नता
35. वर्तनी संबंधी सही शब्द पहचानिए।
 (1) पूर्ति (2) अभीनेता
 (3) उन्नती (4) अवनती
36. "बहुत सुस्ती से काम करना-" के लिए उचित मुहावरा कौन-सा है?
 (1) कौआ चले हंस की चाल
 (2) चोरी का माल मोरी में
 (3) नौ दिन चले अढाई कोस
 (4) चमड़ी जाए पर दमड़ी न जाए
37. कथासम्राट प्रेमचंद का वास्तविक नाम क्या था?
 (1) जीवन राय (2) श्रीपत
 (3) धनपत राय (4) अमृत राय
38. माखनलाल चतुर्वेदी को उनकी किस रचना पर 'साहित्य अकादमी' पुरस्कार मिला है?
 (1) साहित्य देवता
 (2) युग चरण
 (3) हिमतरंगिणी
 (4) हिमकिरिटीनी
39. 'आयात' किस शब्द का विपरीतार्थक है?
 (1) आगमन (2) निगमन
 (3) आयात (4) निर्यात
40. समानार्थी जोड़े का अनुप्रयुक्त विकल्प चुनिए।
 (1) उपयोगी-उपादेय, इष्टकर
 (2) काक-सारंग, मयूर
 (3) पुष्कर-जलाशय, ताल
 (4) भूमि-मही, धरा

**BASIC LAW-CONSTITUTION
 GENERAL KNOWLEDGE**

41. Ram committed a crime, for which the sentence was a fine of only 40 rupees. But he could not pay this amount. Then according to Section 67 of the IPC; he can be imprisoned for up to _____ months for not paying the amount.
 (1) 6 (2) 2
 (3) 4 (4) 1
42. Which vitamin helps in the formation of collagen?
 (1) Vitamin B6
 (2) Vitamin C
 (3) Vitamin B12
 (4) Vitamin A
43. The Central Vigilance Commission was established on the recommendations of the Prevention of Corruption Committee. This committee was headed by
 (1) Mr. APJ Kalam
 (2) Mr. K. Santhanam
 (3) Mr. Brajesh Mishra
 (4) Mr. A.K. Sinha
44. Which of the following statements is/are correct regarding the decision of judge with regard to Public Interest Litigation (PIL)?
 a. As a result of a PIL, court has declared that handcuffing and tying with a rope is inhuman and is a violation of human rights.
 b. As a result of PIL, court has passed a judgment that in any case (except extraordinary cases), a child cannot be jailed.
 Select the correct answer using the codes given below:
 (1) Neither a nor b
 (2) Both a and b
 (3) Only b
 (4) Only a
45. Which of the following decides the rates of Good and Services Tax (GST) in India?

- a. Centre
b. NITI (National Institution for Transforming India) Aayog
c. GST Council
- Select the correct answer using the codes given below:
- (1) Only c
(2) Only a
(3) Only b
(4) Both a and b
- 46.** Which of the following statements is incorrect?
- a. As recognized by the constitution, the list of Scheduled Tribes in India is state specific.
b. Of all the states in the country, the percentage of Scheduled Castes population is highest in Punjab.
- Select the correct answer using the codes given below:
- (1) Both a and b
(2) Only a
(3) Neither a nor b
(4) Only b
- 47.** Who received the award for Best Director in the 89th Oscar Awards?
- (1) Ang Lee
(2) Alfonso Cuarón
(3) Alejandro González Iñárritu
(4) Damien Chazelle
- 48.** Who, among the following, is considered as the founder of Samkhya school of Hindu philosophy?
- (1) Gautam
(2) Badrayana
(3) Patanjali
(4) Sage Kapila
- 49.** _____ has been formulated for increasing agricultural productivity especially in rain-fed areas with focus on integrated farming, water use efficiency, soil health management and resource conservation.
- (1) Action Plan on Climate Change
(2) Council on Climate Change
(3) National Innovation on Climate Tensile Agriculture
(4) National mission for sustainable agriculture

- 50.** An element with atomic number of 46 is related to which block of the periodic table?
- (1) S-bloc
(2) D-block
(3) P-block
(4) F-block
- 51.** Which of the following is/are the goals of TIES (Indian econometric institute)?
- a. To provide financial support to the Journal of Quantitative Economics of TIES
b. To develop basic infrastructure related with import and export
c. To institute reward and award for best books on econometrics prepared by Indian scholars.
- Select the correct answer using the codes given below:
- (1) Only a and b
(2) Only a and c
(3) All of the above a, b and c
(4) Only a
- 52.** Which of the following is not controlled or supervised by the Department of personnel and training?
- a. Staff Selection Commission
b. Central Vigilance Commission
c. Central Bureau of Investigation
- Select the correct answer using the codes given below:
- (1) Both b and c
(2) Only a
(3) None of these given as options
(4) Both a and b
- 53.** What does the following symbol indicate?



- (1) Accident Prone Area
(2) Slow Down
(3) Very sloping slope
(4) Dangerous road ahead
- 54.** Which of the following statements is not correct regarding the legal rights of an Indian?
- a. Legal rights are protected by ordinary law.
b. Legal rights can be changed or scrapped by the legislature by making changes in those laws.
- Select the correct answer using the codes given below:
- (1) Both a and b
(2) Neither a nor b
(3) Only b
(4) Only a
- 55.** A _____ is a reduction in emissions of carbon dioxide or greenhouse gases made in order to compensate for or to offset an emission made elsewhere.
- (1) Carbon density
(2) Carbon offset
(3) Green tax
(4) Green credit
- 56.** The charter of _____, set up in 1983, was to examine the central-state relationship on various portfolios and suggest changes within the framework of Constitution of India.
- (1) Sarkaria commission
(2) Rajamannar commission
(3) Narasimhan commission
(4) Malhotra commission
- 57.** An object or class that can acquire attributes and traits from more than one base object or base class is known by which of the following?
- (1) Multiple inheritance
(2) Hybrid inheritance
(3) Single inheritance
(4) Multilevel inheritance
- 58.** Which of the following has been correctly matched?
- (1) (a) Gram Panchayat-Village level (b) Panchayat Samiti-Block level (c) Zila Parishad: District level

- (2) (a) Gram Panchayat-Block level (b) Panchayat Samiti-Village level (c) Zila Parishad: District level
- (3) (a) Gram Panchayat-Village level (b) Zila Parishad: District level (c) Panchayat Samiti-State level
- (4) (a) Gram Panchayat-Village level (b) Panchayat Samiti-District level (c) Zila Parishad: Block level
- 59.** Which of the following is correct regarding the rights of an individual in India?
- a. If there is a violation of fundamental rights, the constitution states that the aggrieved person can move High court or Supreme Court.
- b. If the legal rights of a person is violated, then he can move an ordinary court.
- (1) Neither a nor b
(2) Both a and b
(3) Only a
(4) Only b
- 60.** Which of the following statements regarding Directive Principles of State Policy is not correct?
- a. They are enforced by courts.
- b. They are inspired by the directive principles given in the Irish constitution.
- (1) Only b
(2) Only a
(3) Neither a nor b
(4) Both a and b
- 61.** On which of the following dates was Khilafat Day observed?
- (1) 17 October, 1919
(2) 13 April, 1919
(3) 23 November, 1919
(4) 7 May, 1919
- 62.** The first state of India to adopt Panchayati Raj system was
- (1) Andhra Pradesh
(2) Rajasthan
(3) West Bengal
(4) Punjab
- 63.** To certify an electronic record, users will need

- (1) e-seal
(2) Know Your Customer credentials
(3) Electronic stamp
(4) Digital signature
- 64.** What is the minimum percentage of investment required to keep minimum ownership according to the guidelines of the Organisation for Economic Co-operation and Development (OECD)?
- (1) 10% (2) 5%
(3) 20% (4) 15%
- 65.** Who was the first Indian recipient of Goldman Environment Prize, the world's biggest award for environmental activists at the grassroot level?
- (1) Ramesh Agrawal
(2) Prafulla Samantra
(3) MC Mehta
(4) Medha Patkar
- 66.** In which case did the Supreme Court scrap Section 303 of the Indian Penal Code (IPC) that prescribed mandatory death sentence for the offence of murder committed by a person who was under a sentence of life imprisonment?
- (1) P.A. Inamdar vs. State of Maharashtra
(2) Shreya Singhal vs. Union of India
(3) Mithu vs. State of Punjab
(4) ADM Jabalpur vs. S. Shukla
- 67.** The main aim of Right to Information Act is to promote _____ in works of government.
- a. Transparency
b. Accountability
- (1) Only a
(2) Both a and b
(3) Only b
(4) Neither a nor b
- 68.** What is the present rate of carbon tax in India?
- (1) Rs. 400 per tonne
(2) Rs. 1400 per tonne
(3) Rs. 4000 per tonne
(4) Rs. 2400 per tonne

- 69.** Which of the following statements is/are correct regarding the law-making powers of the Centre and states?
- a. Both central and state governments can make laws on subjects in the concurrent list.
- b. In case of conflict between the Central and State law on a subject in the Concurrent List, the law of Centre prevails.
- (1) Only b
(2) Only a
(3) Neither a nor b
(4) Both a and b
- 70.** For the 2017-18 fiscal year, the income tax for an individual taxpayer is zero if his total income is not more than ____.
- (1) Rs. 2,50,000
(2) Rs. 3,00,000
(3) Rs. 2,00,000
(4) Rs. 1,50,000
- 71.** Who, among the following, is famous as the "Father of Hybrid Sorghum"?
- (1) Norman Borlaug
(2) Jagadish Chandra Bose
(3) M.S. Swaminathan
(4) Neelamraju Ganga Prasad Rao
- 72.** What is the legal age for voting in India?
- (1) 21 years (2) 16 years
(3) 18 years (4) 20 years
- 73.** The session of parliament begins with
- (1) A meeting among President, Council of Ministers and Opposition
(2) Joint address of the President in both Houses
(3) Speech of Lok Sabha Speaker
(4) Swearing in of all the new members of Parliament
- 74.** Which of the following is the only active volcano of Antarctica?
- (1) Mount Merapi
(2) Mount Cotopaxi
(3) Mount Etna
(4) Mount Erebus

75. Which authority / officer conducts the election process of the President of India?

- (1) Election Commission of India
- (2) Vice President or the Speaker of Lok Sabha in the absence of the former
- (3) Supreme Court
- (4) Chief Justice of India

76. In case a question arises regarding whether a bill is a money bill or not, the decision of the ____ shall be final.

- (1) Chairman of the Rajya Sabha
- (2) Speaker of the Lok Sabha
- (3) Finance Minister
- (4) President

77. Which of the following acts as a nodal agency for bomb related facets in India?

- (1) Indian Special Risk Force
- (2) National Bomb Data Centre
- (3) Indian Army Corps of Engineers
- (4) Indian Bomb Detection and Disposal Squad

78. Which of the following is the most stable plateau of India?

- (1) Malwa Plateau
- (2) Amarkantak Plateau
- (3) Chhotanagpur Plateau
- (4) Deccan Plateau

79. Red Flag' is the name of a Joint air force exercise between India and which country?

- (1) France
- (2) Russia
- (3) United States of America
- (4) United Kingdom (UK)

80. ____ were defined at the first International Workshop on National Institutions for the Promotion and Protection of Human Rights held in Paris on 7-9 October 1991.

- (1) Support for Human Rights
- (2) Paris Principles
- (3) Universal Declaration of Human Rights
- (4) Global Rights

NUMERICAL AND MENTAL ABILITY TEST

81. Which of the following is the largest fraction ?

$$\frac{1}{2}, \frac{3}{4}, \frac{5}{6}, \frac{7}{8} \text{ and } \frac{9}{10}$$

(1) $\frac{5}{6}$ (2) $\frac{3}{4}$

(3) $\frac{9}{10}$ (4) $\frac{7}{8}$

82. A cube of the largest volume 343 cu. metre is completely inscribed in a sphere. Find the volume of the sphere.

(1) $\left(\frac{343\sqrt{3}}{2}\right)\pi \text{ metre}^3$

(2) $343\sqrt{3}\pi \text{ metre}^3$

(3) $\left(\frac{49\sqrt{3}}{2}\right)\pi \text{ metre}^3$

(4) $49\sqrt{3}\pi \text{ metre}^3$

83. 40% of a number is 330 more than 30% of the second number. If the second number is 90 less than thrice the above men-

tioned difference, the $\frac{4}{5}$ th

part of first number is what per cent of the second number?

- (1) 90.09% (2) 123.43%
(3) 133.33% (4) 111.11%

84. What is the value of x in the given equation ?

$$17 \times 23 + 16 \div \sqrt[3]{64} - 156 = x$$

- (1) 239 (2) 556
(3) 377 (4) 475

85. Solve the following quadratic equations and establish the relation between m and n .

I. $m^2 - 10m + 21 = 0$

II. $n^2 - 15n + 56 = 0$

- (1) $m < n$ (2) $n \geq m$
(3) $m \geq n$ (4) $m > n$

86. A shopkeeper marks his goods at 25% above the cost price and allows a discount of 20% to a customer. At the time of selling goods, he uses a weight of 900 gm in stead of 1 kg. What is his total gain per cent in this transaction?

- (1) 12.67% (2) 11.11%
(3) 13.33% (4) 15.45%

87. In a class, there are 18 girls and the remaining are boy. The average height of all the girls in the class is 144 cm while that of boys is 150 cm. The average height of all the students in the class is 148 cm. If the average weight of all the boys in the class is 50 kg., find the total weight of all the boys.

- (1) 1800 kg. (2) 1600 kg.
(3) 1850 kg. (4) 1750 kg.

88. In how many way the letters of the word ELIMINATION can be rearranged so that all the consonants in the given word always come together?

- (1) 50400 (2) 43200
(3) 840 (4) 16800

89. A vessel has 80 litre mixture of water and milk. In it the water content is 25%. If the milkman takes out 8 litres of mixture and adds 8 litres of pure water in the vessel, what is the percentage of water in the resulting mixture?

- (1) 34.50% (2) 35.40%
(3) 32.50% (4) 33.33%

90. Raja, Ravi and kumar can separately do a work in 12, 15 and 30 days respectively. Raja, Ravi and Kumar started to work together but Ravi and Kumar left the work respectively 5 days and 4 days before the completion of work and the remaining work was completed by Raja. If they were paid Rs. 1500 for the total work, what is the total amount received by Raja and Ravi?

- (1) Rs. 1,000 (2) Rs. 1,200
(3) Rs. 1,300 (4) Rs. 1,400

91. If in a certain year, 29th October falls on Saturday, what will be the day on the 29th November?

- (1) Sunday (2) Tuesday
(3) Saturday (4) Friday

92. When a sum of Rs. 5500 is invested for 8 months at the rate of 3% per annum, find the simple interest at the end of 8 months.

- (1) Rs. 135 (2) Rs. 110
(3) Rs. 142 (4) Rs. 130

93. If 3 men working 4 hours a day can complete a work in 10 days, by working how many hours per day can 5 men complete the same work in 8 days?

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

94. A shopkeeper allows a discount of 20% at the marked price of an article and earns a profit of 25% that is equal to Rs. 80. Find the amount of discount offered.

- (1) Rs. 120 (2) Rs. 150
(3) Rs. 110 (4) Rs. 100

95. The respective speeds of car A and car B are in the ratio of 3 : 5. If car A covers a distance of 450 km. in 15 hours, find the time taken by car B in covering a distance of 2500 km.

- (1) 40 hours (2) 30 hours
(3) 35 hours (4) 50 hours

96. A man buys two toys A and B for Rs. 3600. If he sells toy A at 20% profit and toy B at 50% profit; the S.Ps. of both toys are same. But if he sells toy A at 50% and toy B at 20% profit, find the selling price of toy B.

- (1) Rs. 2,250 (2) Rs. 1,840
(3) Rs. 1,920 (4) Rs. 2,000

97. If $\frac{2}{5}$ th of a number is added to the number itself, the resulting number is 210. What is the original number?

- (1) 147 (2) 125
(3) 150 (4) 138

98. If 15th August falls on Monday in the year 2016, what will be the day on 30th August in the year 2020?

- (1) Monday
(2) Saturday
(3) Wednesday
(4) Sunday

99. Each digit of a 3-digit number is a multiple of 3. If the last digit of this number is an even number and the sum of digits is 12, find 25% of that number.

- (1) 98 (2) 87
(3) 84 (4) 120

100. A train, running at the speed of 180 kmph, crosses a standing person in 8 seconds and at the same speed crosses a tunnel in 15 seconds. Find the length of tunnel in metre.

- (1) 300 metre
(2) 350 metre
(3) 320 metre
(4) 280 metre

101. In a triangle, the length of one side is 9 cm and the difference between the other two sides is 1 cm. If the perimeter of triangle is 90 cm, find its area.

- (1) 170 cm^2 (2) 9 cm^2
(3) 180 cm^2 (4) 90 cm^2

102. The respective ratio of the number of male and female employees working in a company is 7 : 6. If the number of working males in the company is equal to the cube of the fourth smallest prime number, find the total number of employees working in the company.

- (1) 637 (2) 594
(3) 468 (4) 559



103. Find the HCF of 4850 and 4450.

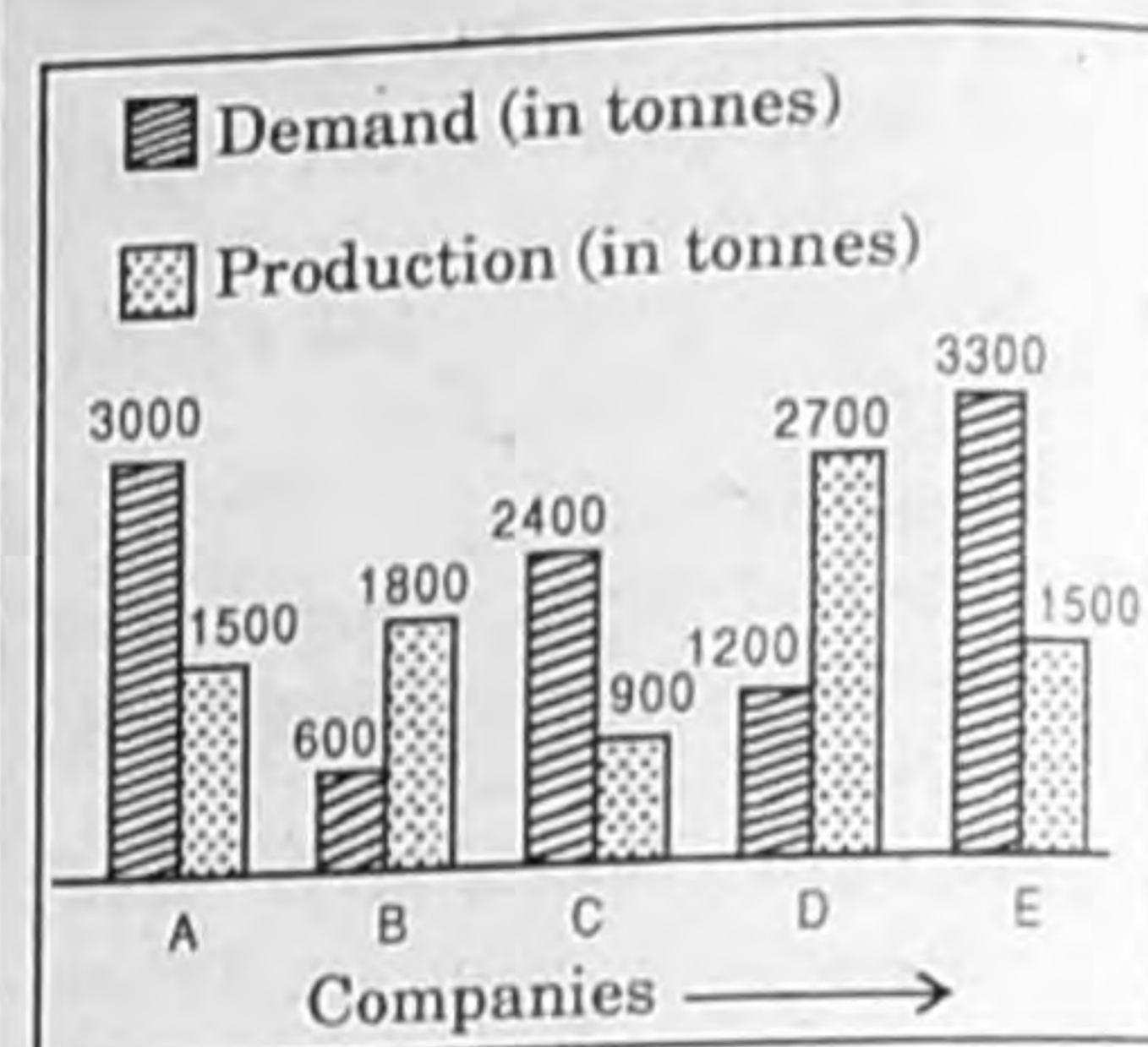
- (1) 25 (2) 30
(3) 50 (4) 5

104. When a person invests a sum of Rs. 200000 for 3 years at the rate of 4% per annum, what is the amount of compound interest earned on the same sum at the end of 3 years?

- (1) Rs. 25,250.80
(2) Rs. 25,052.80
(3) Rs. 24,972.80
(4) Rs. 24,729.80

Directions (105-107) : In the following bar diagram, demand of cotton and its production (of 5 companies A, B, C, D and E) have been shown. Read the graph carefully and answer the questions given below it

 Demand (in tonnes)  Production (in tonnes).



105. What is the respective ratio of the number of companies with more demand than production and that of more production than demand?

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

106. What is the difference between the integrated average demand of all five companies and their integrated average production? (in tonnes).

- (1) 320 (2) 420
(3) 2100 (4) 1050

107. The production of company D is how many times of that of company A?

- (1) 1.8 (2) 1.5
(3) 0.5 (4) 0.4

108. There are two stations X and Y and two trains - A and B. The distance between stations X and Y is 180 km. The 210 metre long train A reaches station Y from station X in 5 hours. If train B is standing at station Y and train A crosses train B in 40 seconds, what is the length of train B?

**MENTAL APTITUDE TEST -
IQ TEST - REASONING**

- (1) 200 metre
(2) 190 metre
(3) 230 metre
(4) 250 metre
- 109.** If $U = \{1, 2, \dots, 100\}$, $A = \{5, 7, 9, 22, 55\}$ and $B = \{7, 22, 50, 55, 68\}$, then number of elements in $(A \cup B)'$ and $(A \cap B)'$ is respectively
(1) 97 and 97 (2) 97 and 93
(3) 93 and 93 (4) 93 and 97
- 110.** In a vessel, spirit and water are present in the respective ratio of 4 : 3 respectively. If 5 litres of spirit and 5 litres of water are added to this mixture, the respective ratio of spirit and water in the resulting mixture becomes 5 : 4. Find the initial quantity of water in the mixture.
(1) 12 litres (2) 15 litres
(3) 11 litres (4) 18 litres
- 111.** The amount of profit to be divided among four persons—A, B, C and D is as follows :
B gets 3 parts, D gets 7 parts, C gets equivalent to the average of amounts received by B and D together and A gets two-thirds of what B gets. If B gets Rs. 324 less than that of C, what is the sum of shares of A and D?
(1) Rs. 1,750 (2) Rs. 1,458
(3) Rs. 1,673 (4) Rs. 1,568
- 112.** If the L.C.M. and H.C.F. of two numbers x and y be 432 and 6 respectively and their sum be 102, what is the difference between x and y ?
(1) 6 (2) 8
(3) 10 (4) 12
- 113.** What are the mean and median respectively of the following set of data?
15, 9, 8, 22, 50, 16, 20
(1) 20, 16 (2) 20, 20
(3) 19, 19 (4) 18, 20
- 114.** What is the value, of x in the following equation?
 $x = 8 \times 7 + 36 \div \sqrt[3]{216} - 41$
(1) 23 (2) 21
(3) 19 (4) 17

- 115.** Two motorbikes, running at the speeds of 20 kmph and 18 kmph in the same direction start at the same time and reach the same destination. If one bike takes 15 minutes more than the other, find the distance.
(1) 35 km. (2) 38 km.
(3) 30 km. (4) 45 km.
- 116.** Number $(7^2 + 1)$ is what per cent of $(2^3 \times 5^3)$?
(1) 5% (2) 25%
(3) 10% (4) 50%
- 117.** There are 5 apples, 6 oranges and 4 lemons in a basket. Three fruits are taken out randomly from the basket. What is the probability that two fruits are oranges and third one is lemon?
(1) $\frac{12}{91}$ (2) $\frac{23}{89}$
(3) $\frac{19}{69}$ (4) $\frac{31}{43}$
- 118.** A student bought 6 books namely A, B, C, D, E and F at Rs. 111, Rs. 95, Rs. 50, Rs. 125, Rs. 75 and Rs. x respectively. If the average of all these books is Rs. 6 more than the average cost of books B, C and D, find the value of x .
(1) 120 (2) 110
(3) 115 (4) 95
- 119.** If M can do a work in 10 days, N can do the same work in 30 days and P can do it in 45 days, in how many days can M, N and P together do the same work?
(1) $\frac{25}{7}$ (2) $\frac{45}{7}$
(3) $\frac{55}{7}$ (4) $\frac{65}{7}$
- 120.** What is the value of x in the following equation?
 $4372 + 7838 + 322 - 4315 + 233 - 333 = x$
(1) 8276 (2) 8117
(3) 8177 (4) 8617

- 121.** In the following question two statements are followed by two Conclusions numbered I and II. Read the Conclusions and decide which of the given Conclusions follow(s) from the given statements.

Statements :

Some dairymilk are chocolates.
Some chocolates are biscuits.

Conclusions

- I. No dairymilk is chocolate.
II. At least some chocolates are dairymilk.
(1) Either Conclusion I or Conclusion II follows
(2) Only Conclusion II follows
(3) Neither Conclusion I nor Conclusion II follows
(4) Only Conclusion I follows
- 122.** If 'P \$ Q' means 'P is mother of Q', 'P # Q' means 'P is father of Q', 'P @ Q' means 'P is husband of Q' and 'P % Q' means 'P is daughter of Q', then according to the expression
'A @ B \$ C # D % K \$ H' how A is related to H?
(1) Grandfather (Paternal)
(2) Uncle (Maternal)
(3) Uncle (Paternal)
(4) Grandmother (Maternal)

- 123.** In the question below a statement is followed by two Assumptions numbered I and II. You have to consider the statement to be true and consider the two assumptions and then decide which of the given assumptions is implicit in the statement.

Statement :

Air India hikes airfare to compensate the loss.

Assumptions

- I. The current fare of Air India is quite low.
II. If the fare of Air India is not increased, loss cannot be compensated.

- (1) Only Assumption I is implicit
- (2) Either Assumption I or Assumption II is implicit
- (3) Only Assumption II is implicit
- (4) Neither Assumption I nor Assumption II is implicit

124. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select appropriate alternative

In which year Hari was born ?

- I. Hari's brother, who was born in 1994, is 25 year younger than his mother.
- II. Hari's mother is now 15 year older than Hari.

- (1) The data given in both statements I and II together are sufficient to answer the question
- (2) The data in statement II alone are sufficient to answer the question while the data in statement I alone are not sufficient to answer the question
- (3) The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (4) The data given in both statements I and II together are not sufficient to answer the question

125. What should come in the place of question-mark in the following series ?

JKC, LIF, NGI, ?

- (1) ELP (2) PLE
- (3) PEL (4) LPE

126. Select that alternative which is different from others.

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

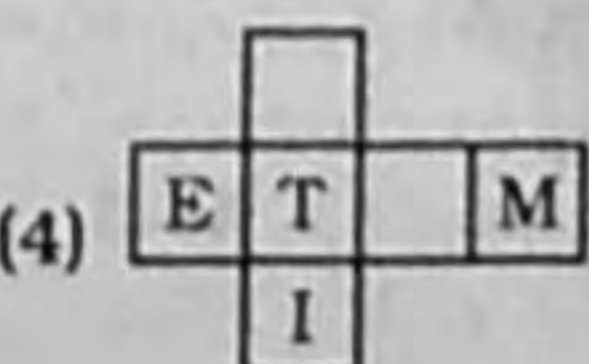
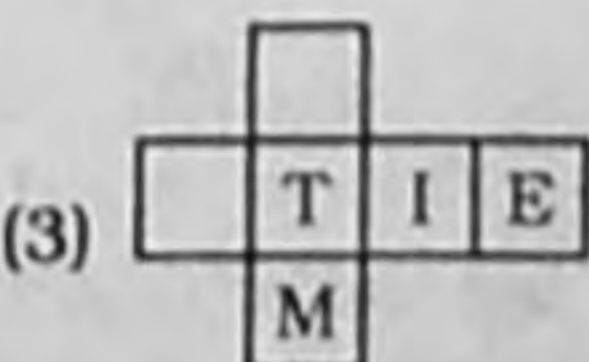
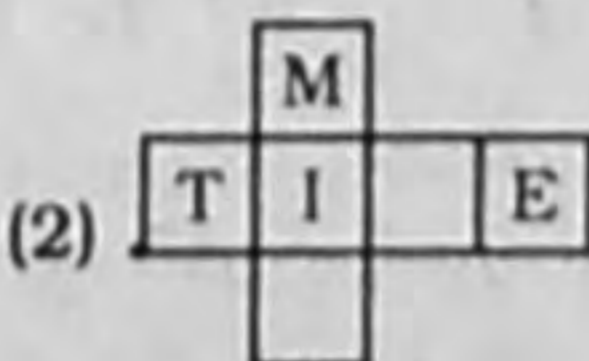
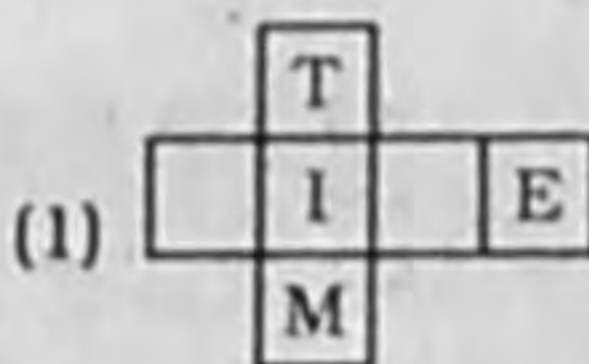
127. Sunil moves 4 km towards north direction from a starting point, then he moves 5 km after turning to his right. Again, he turns to his right and moves 4 km. Finally he turns to his left and moves 4 km. How far and in which direction is he now from the starting point ?

- (1) 9 km East
- (2) 7 km East
- (3) 4 km West
- (4) 7 km West

128. Pointing towards a person in the photograph, Pandikrish said, "the only daughter of his sister's father is my daughter". How the person in photograph is related to Pandikrish ?

- (1) Son
- (2) Father
- (3) Daughter
- (4) Nephew

129. In the figure given below, two letters of the word 'TIME' are shown on a cube. Select that figure from the given alternatives which can represent proper order of the word 'TIME' when folded in a form of a cube ?



130. Select the alternative in which first statement indicates the second.

If it rains, I eat burger.

- A. I am eating burger.
- B. It is raining.
- C. It is not raining.
- D. I am eating springroll.

- (1) BA (2) AB
- (3) DC (4) CD

131. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select appropriate alternative

What is the day on fifteenth of a given month ?

- I. The last day of the month falls on Wednesday.
- II. The third Saturday of the month falls on seventeenth.

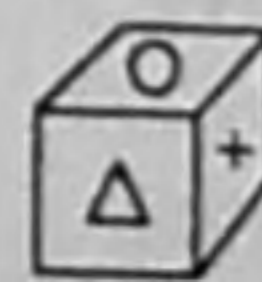
- (1) The data in statement II alone are sufficient to answer the question while the data in statement I alone are not sufficient to answer the question
- (2) The data given in both statements I and II together are sufficient to answer the question
- (3) The data given in both statements I and II together are not sufficient to answer the question
- (4) The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question

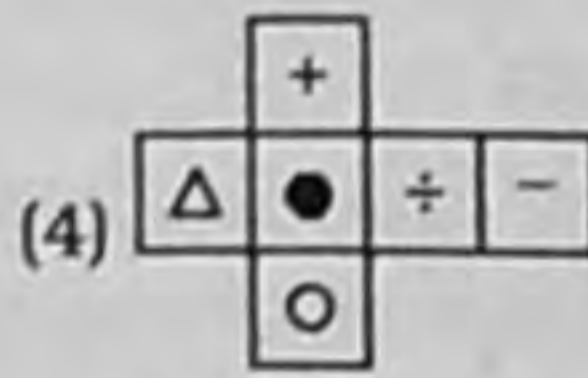
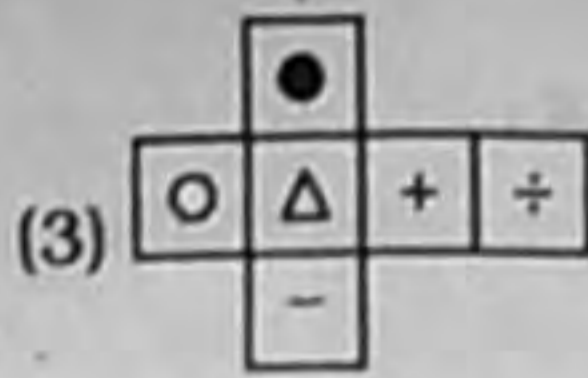
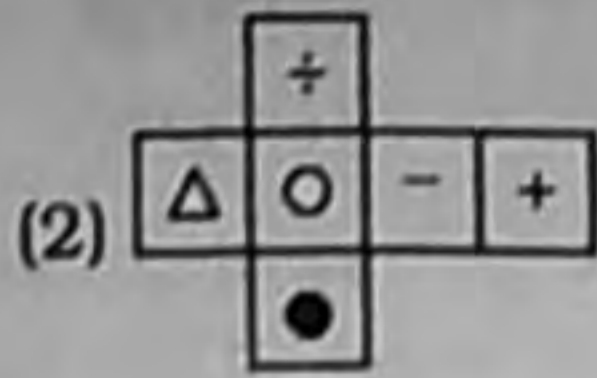
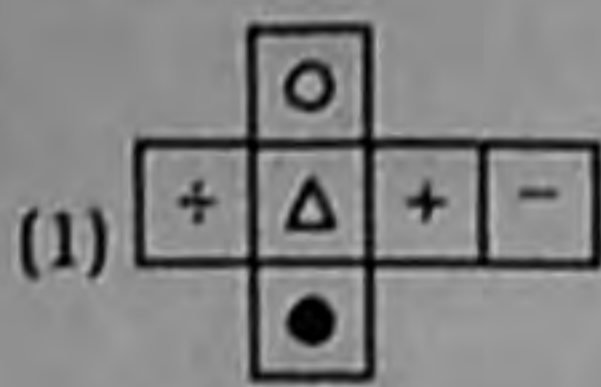
132. In the following question select that alternative which will come in the place of question mark ?

457 : 238 :: 673 : ?

- (1) 454 (2) 464
- (3) 468 (4) 458

133. How the cube will appear when unfolded ?





134. In a certain code language

'Sky is blue' is written as '@ \$ #'.

'Rose is nice' is written as '* @ ! #'.

'Blue colour shirt' is written as '% # ^'.

"Blue" implies :

- (1) * (2) \$
(3) ^ (4) #

135. Six naval officers are doing parade in two rows such that there are three officers in the front row and another three in the back row. One naval officer is ahead of each officer of the back row. C and D are at the extreme ends of the two different rows. E is to the right of A and exactly ahead of B. F is exactly behind C. Which of the following statements is true.

- (1) F and A are at extreme opposite ends.
(2) F is between D and E
(3) D is exactly behind E
(4) E and D are at extreme ends of the front row.

136. Select the irrelevant from the given alternatives :

- 2, 4, 36, 48, 120, 180.
(1) 180 (2) 48
(3) 2 (4) 120

137. In the following question select that alternative which will come in the place of question mark ?

$$216 : 252 :: 564 : ?$$

- (1) 658 (2) 648
(3) 636 (4) 632

138. Select the alternative which is different from the given alternatives.

- (1) Floppy Disc Drive
(2) Random Access Memory
(3) Disc Operating System
(4) Microprocessor

139. Three helocoptes T-1, T-2 and T-3 fly from Chennai to Tirupati. Each one of them takes off and lands at different time, without following an order. In addition to it, T-1, T-2 and T-3 do not match with the number 1, 2 and 3 regarding the order of taking off and landing. The first helicopter taking off from Chennai is third helicopter to be landed in Tirupati. Which is the first helicopter to take off from Chennai ?

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

Directions (140-142) : Following are the conditions for allocating houses built by Municipal Council in the developed area of Calicut town. The applicant must

- (A) be able to produce domicile certificate of the State
(B) be employed or self-employed in Calicut for at least five and a half years
(C) be able to pay full amount in three year duration
(D) not be owner or co-owner (if spouse is owner) of residential unit in the township area of Calicut.
(E) not be less than 35 years old as on 31st December 2017.

In the case of an applicant who satisfies all other conditions except

- I. at (A) above, the case is to be referred to the Chairman of Town-Council

II. at (B) above, but is able to produce a Ration card of the past five years, the case is to be referred to Vice-Chairman of the House Allocating Committee.

III. at (C) above, but is a freedom fighter or first relation of a freedom fighter, i.e., son/daughter/husband/wife of a freedom fighter/ex-armyman, the case is to be referred to the vice-chairman of the House Allocating Committee which can relax the limit to 15 years for payment.

The last date for submission of applications was 31st December, 2017. The conditions regarding age and duration of living should be completed on 31st December, 2017.

On the basis of information given above, what decision should be taken in the following cases ?

All these cases are given to you as on 1st January, 2018.

140. Bahadur Singh is a young trader, who is a domicile of the State as he was born in Calicut and grown-up here. If required he can pay the entire amount in less than three years. He opened a shop on his 26th birthday, i.e., on February 23, 2000.

He lives with his father but he did not have any ownership right on this house owned by his father.

- (1) The case is to be referred to the Vice-chairman of the House Allocating Committee
(2) Flat to be allotted
(3) The case is to be referred to the Chairman of the Town Council
(4) Flat not to be allotted

141. Deena is an ex-armyman who is resident of Calicut. He lives in a rented house in Calicut and he is working as a security officer in a factory for the last two years after retirement from army at the age of 35. Recently a Ration Card was issued to him.

- (1) Data inadequate
- (2) The case is to be referred to the Chairman of the Town Council
- (3) Flat not to be allotted
- (4) Flat to be allotted

142. Ram has applied for a flat under the scheme. He can produce legal domicile certificate and is ready to pay the full amount within three years duration. He is working in Calicut for the last 10 years. He was born in 1997 and he is not owner of any house in Calicut.

- (1) The case is to be referred to the Vice-chairman of the House Allotting Committee
- (2) Flat not to be allotted
- (3) The case is to be referred to the Chairman of Town Council
- (4) Flat to be allotted

143. A man rotates through 135° in clockwise direction, who was facing east direction. Now he is facing which direction ?

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

Directions (144–146) : Study the following information carefully and answer the questions given below :

When a word and number arrangement machine is given and given an input line of words and numbers, it rearranges them following a particular rule. The following is an illustration of input and rearrangement :

(All the numbers are two-digit numbers.)

Input : 13 cloud 39 moon 74 queen 30 frog 53 kite
Step I : 74 13 cloud 39 moon queen 30 frog 53 kite
Step II : 74 13 39 moon queen 30 frog 53 kite cloud
Step III : 74 53 13 39 moon queen 30 frog kite cloud
Step IV : 74 53 13 39 moon queen 30 kite cloud frog

Step V : 74 53 39 13 moon queen 30 kite cloud frog
Step VI : 74 53 39 13 moon queen 30 cloud frog kite
Step VII : 74 53 39 30 13 moon queen cloud frog kite
Step VIII : 74 53 39 30 13 queen cloud frog kite moon
Step IX : 74 53 39 30 13 cloud frog kite moon queen

And, Step IX is the last step of rearrangement of the above input.

Input for question :

bark 31 wind 23 pond 82 goat 65 jungle 97 swim 43

144. As per the rules followed in the above steps, what would be the position of 'wind' in the Step II of the given input ?

- (1) Seventh from the left end
- (2) Fifth from the right end
- (3) Fifth from the left end
- (4) Tenth from the right end

145. As per the rules followed in the above steps, which of the following represents the Step IX ?

- (1) 97 82 65 43 31 wind 23 pond swim bark goat jungle
- (2) 97 82 65 43 31 23 wind bark goat jungle pond swim
- (3) 97 82 65 43 31 23 wind swim bark goat jungle pond
- (4) 97 82 65 43 31 wind 23 swim bark goat jungle pond

146. As per the rules followed in the above steps, which of the following would be fifth from the left in the Step IX ?

- (1) 31
- (2) bark
- (3) 82
- (4) goat

147. If in a certain code language TEETHING is written as CUQGEKBR, then how will SATURDAY be written in that code language ?

- (1) ETRVUZTY
- (2) TERVZUTY
- (3) YTRVZUTE
- (4) TYRVUZET

148. What should come in the place of question mark in the following series ?

2, 2, 4, 8, 32, 256, ?

- (1) 8494
- (2) 8192
- (3) 8624
- (4) 8292

149. Study the following statement and decide which of the following arguments is strong ?

Statement :

Should the examination upto higher secondary level be abolished ?

Arguments :

I. Yes, many students commit suicide due to examination.

II. No, examination is important for education

(1) Only argument II is strong

(2) Either argument I or argument II is strong

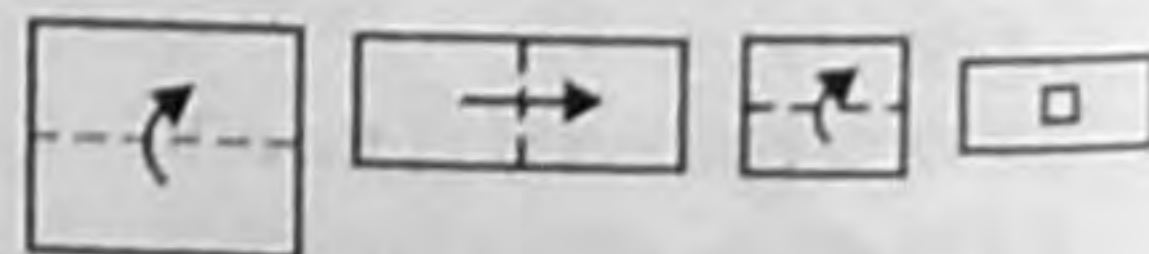
(3) Neither argument I nor argument II is strong

(4) Only argument I is strong

150. Q is brother of E. Y is sister of Q. B is brother of G. G is daughter of E. N is father of Y. Who is uncle of B ?

- (1) Q
- (2) Y
- (3) G
- (4) N

151. Take a square sheet of paper, fold it half way, repeat this process three times. Take a pair of scissors and cut a square at the centre as shown in the figure. How many squares would be there when paper is unfolded ?



- (1) 8
- (2) 10
- (3) 6
- (4) 4

152. "Yuvraj Singh was fully prepared in the 2011 World Cup and India won the match". It is a true statement. Which Conclusion is correct ?

- (1) If Yuvraj was not fully prepared in the last one-day international, India would not have won the match.
 (2) Yuvraj was fully prepared in the 2011 World Cup.
 (3) India did not win the match.
 (4) India won the series.

153. Select the irrelevant from the given alternatives :
 2, 3, 5, 9, 17, 36.
 (1) 5 (2) 36
 (3) 3 (4) 17

154. Select that alternative which is different from the others :
 (1) Metre (2) Millimetre
 (3) Diameter (4) Centimetre

155. Study the following statement and decide which of the following arguments is strong ?

Statement :

There should be greater representation of women in peace campaign.

Arguments :

- I. Yes, women bring sensitivity into peace mission, particularly in that field where women and children became victims of human rights violation.
 II. Yes, women in uniform work for other women and girls as a role model.
 (1) Only argument II is strong
 (2) Only argument I is strong
 (3) Either argument I or argument II is strong
 (4) Neither argument I nor argument II is strong

156. A person walks 40 metre to the west, then turns to his right and walks 35 metre. Again he turns to his right and walks 70 metre. Once again he turns to his right and moves 35 metre. How far and in which direction is he from his starting point ?
 (1) 30 metre, East
 (2) 35 metre, West
 (3) 20 metre, East
 (4) 25 metre, West

157. In this question, four statements are given, followed by three Conclusions I, II and III. You have to decide which of the given Conclusions, if any, follow(s) from the given statements.

Statements :

Some guitars are pianos.
 Some pianos are violins.
 All violins are flutes.
 All flutes are veenas.

Conclusions :

- I. All guitars being violins is a possibility.
 II. All flutes are not violins.
 III. No piano is veena.
 (1) Both Conclusion II and Conclusion III follow
 (2) Only Conclusion II follows
 (3) Either Conclusion I or Conclusion II follows
 (4) Only Conclusion I follows

158. If in a certain code language, EXHIBITION is written as VC-SRYRGRML. How will ASSUMPTION be written in that code language ?

- (1) ZHHFNKGRLM
 (2) ZHHFKNGRLM
 (3) ZHHFKKGRML
 (4) ZHHFNHGRLM

159. In the following question a statement is followed by two assumptions, I and II. You have to take the statement to be true and consider the two assumptions. You have to decide which of the assumptions is implicit in the statement.

Statement :

"Buy pure fresh coconut hair oil of 'Pari' company" — An advertisement in a magazine.

Assumptions :

- I. No other company produces fresh coconut hair oil.
 II. People read advertisement and pay heed to it.

- (1) Only assumption II is implicit in the statement
 (2) Either assumption I or assumption II is implicit in the statement
 (3) Only assumption I is implicit in the statement
 (4) Neither assumption I nor assumption II is implicit in the statement

160. The question below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and select appropriate alternative

On which day of the week is birthday of Sonu ?

- I. His sister correctly remembers that the birthday of Sonu is after Monday but before Friday.
 II. His brother correctly remembers that the birthday of Sonu is before Wednesday but after Sunday.

- (1) The data given in both statements I and II together are not sufficient to answer the question
 (2) The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
 (3) The data given in both statements I and II together are sufficient to answer the question
 (4) The data in statement II alone are sufficient to answer the question while the data in statement I alone are not sufficient to answer the question