

## सामान्य हिन्दी

1. भारतीय शिक्षा व्यवस्था का मुख्य उद्देश्य क्या था?
  - (1) अनुशासन
  - (2) वैदिक शिक्षा
  - (3) यात्रिकी एवं वास्तुकला को बढ़ाना
  - (4) जीवन की व्यवस्था
2. चरक और सुश्रुत ने भारतीय शिक्षा व्यवस्था में अपना योगदान किस क्षेत्र में दिया?
  - (1) भौतिकी
  - (2) वास्तुकला
  - (3) चिकित्सा विज्ञान
  - (4) गणित
3. भारतीय शिक्षा पद्धति निम्न में से किस परंपरा से आरंभ होती है?
  - (1) राष्ट्र हित शिक्षा परंपरा
  - (2) आध्यात्मिक शिक्षा परंपरा
  - (3) एक गुरु शिष्य परंपरा
  - (4) गुरुकुल परंपरा
4. "सीय राममय सब जग जानी। करउँ प्रनाम जोरि जुग पानी॥" यह रचना गोस्वामी तुलसीदास की किस कृति से है?
  - (1) गीतावली
  - (2) दोहावली
  - (3) जानकी मंगल
  - (4) रामचरित मानस
5. "विहान कब आया।" वाक्य में त्रुटि बताएँ।
  - (1) विराम चिह्न
  - (2) मात्रा
  - (3) काल
  - (4) व्याकरण
6. "सागर-सा गंभीर हृदय हो, गिरी-सा ऊँचा हो जिसका मन" प्रस्तुत पंक्ति में साधारण धर्म कौन-सा है?
  - (1) सागर और गिरि
  - (2) गंभीर और ऊँचा
  - (3) मन
  - (4) हृदय
7. केवल, अनुमानतः, सर्वथा..... यह किस विशेषण के प्रकार हैं?
  - (1) परिमाणवाचक
  - (2) रीतिवाचक
  - (3) कालवाचक
  - (4) स्थानवाचक

8. 'घर' का पर्यायवाची शब्द निम्न में कौन-सा है?
  - (1) अनल
  - (2) आलय
  - (3) वात
  - (4) उरग
9. "हार.....मार्नूंगा, रार नहीं.....।" दिए गए विकल्पों में से सही विकल्पों का चयन कर, अटल बिहारी वाजपेयी की इन पंक्तियों को पूरा करें।
  - (1) तो, कहूँगा
  - (2) नहीं, चाहूँगा
  - (3) नहीं, ठाँनूंगा
  - (4) ही, जानूँगा
10. "राजा ने चोर को मृत्यु दंड की सजा दी" वाक्य में क्या त्रुटि है?
  - (1) राजा ने
  - (2) मृत्यु दंड
  - (3) सजा दी
  - (4) चोर को
11. भुजा का बहुवचन क्या है?
  - (1) बहुभुज
  - (2) भुजा-भुजा
  - (3) भुजाओं
  - (4) भुजाएँ
12. वचन किसके लिए प्रयोग किये जाते हैं?
  - (1) सर्वनाम
  - (2) अलंकार
  - (3) संज्ञा
  - (4) विशेषण
13. "मैंने अपना हस्ताक्षर कर दिया।" इस त्रुटियुक्त वाक्य के लिए निम्नलिखित में से शुद्ध वाक्य पहचानें।
  - (1) मैंने हस्ताक्षर कर दिया।
  - (2) मैंने हस्ताक्षर कर दिए।
  - (3) मैंने अपना हस्ताक्षर कर दिए।
  - (4) मैंने अपने हस्ताक्षर कर दिए।
14. 'अधम' का विरुद्धार्थी शब्द दिए गए विकल्पों में से कौन-सा है?
  - (1) नेक
  - (2) उत्तम
  - (3) नारकी
  - (4) बुरा
15. "राधाकृष्णनन.....स्वाध्याय.....।" दिए गए विकल्पों में से रिक्त स्थानों को सही विकल्पों का चयन कर वाक्य पूर्ण कीजिए।
  - (1) हमेशा, करती हैं
  - (2) हमेशा, करते थे

- (3) हमेशा, करता है
- (4) हमेशा, करते हैं
16. "देख दशा रघुवीर की, वृक्ष फूट-फूट कर रोये" इस पंक्ति में प्रयुक्त अलंकार कौन-सा है?
  - (1) अंगज अलंकार
  - (2) शब्दालंकार
  - (3) मानवीकरण अलंकार
  - (4) प्रतीप अलंकार
17. "एक तो नौकरी गई और पैसों से भरा बैग चोरी हो गया।" के लिए कौन-सा मुहावरा उपयुक्त होगा?
  - (1) काला अक्षर भैंस बराबर।
  - (2) खग जाने खग की ही भाषा।
  - (3) कंगाली में आटा गीला।
  - (4) कभी घना, कभी मुट्ठी भर चना।
18. "ऐरा गैरा, नत्थू खैरा।" मतलब बताइए।
  - (1) गैवार आदमी
  - (2) मामूली आदमी
  - (3) होशियार आदमी
  - (4) कमजोर आदमी
19. निम्नलिखित में से कौन-सा शब्द 'चंद्रमा' का पर्यायवाची नहीं है?
  - (1) सूत
  - (2) शशि
  - (3) चाँद
  - (4) विधु
20. दिए गए विकल्पों में से कौन-सा शब्द पुलिङ्ग स्त्रीलिङ्ग दोनों में प्रयुक्त होता है?
  - (1) चित्रकार
  - (2) खरगोश
  - (3) विद्वान
  - (4) चील
21. "वह आये तो मैं जाऊँ", प्रस्तुत वाक्य में कौन-सा काल है?
  - (1) सामान्य भविष्यकाल
  - (2) भूतकाल
  - (3) संभाव्य भविष्यकाल
  - (4) हेतुहेतुमद भविष्यकाल
22. निम्नलिखित में से कौन-सा शब्द अन्य शब्दों से अलग है?
  - (1) सलिल
  - (2) तोय
  - (3) वात
  - (4) वारी



23. चरमपत्र, 2000 में हिमाचल में धारा में निम्नलिखित भाषाओं में से सबसे अधिक कौन-सी भाषा बोली जाती है?
- (1) पुश्तुनी (2) मराठी  
(3) उर्दू (4) बंगाली
24. श्री हरिवंश राम चण्दन जी किस युग के कवि हैं?
- (1) ऐतिहासिक (2) द्वितीय युग  
(3) उच्च जातिवाद युग  
(4) भारतीय युग
25. निम्न विकल्पों में से कौन-सा सुनिश्चित है?
- (1) विदुषी (2) पदवी  
(3) छात्र (4) शिक्षा
26. "जो सुख नाराज बनाती है।" इसमें कौन-सा क्रिया विशेषण है?
- (1) कालवाचक (2) ऐतिहासिक  
(3) परिमाणवाचक (4) स्थानवाचक
27. हिंदी की पहली इकाई (बोली) जिसमें "अलप्यव्यय" क्रिया कर्म में प्रदर्शित हुई थी?
- (1) 1900 (2) 1931  
(3) 1930 (4) 1947
28. निम्न विकल्पों में से कौन-सा बहुवचन युग, वर्ग, भाव वाला बहुवचन है?
- (1) अर्थ (2) बहुरी  
(3) सुधिवचन (4) जातिर्य
29. हिंदी अकादमी का "शताब्दी पुरस्कार" सबसे पहले किसके दिया गया?
- (1) डॉ. रामविलास शर्मा  
(2) श्री विष्णु प्रसाद  
(3) रामचंद्र शुक्ल (4) तुलसीदास जी
30. "बोला ही अलौकिकता वाले मनोरथ, तुम्हें मेरा प्रणाम" प्रस्तुत कवि में प्रयुक्त अलंकार कौन-सा है?
- (1) अनुप्रास (2) उपमेय  
(3) रूपक (4) उपमा
31. "अगर तुमने यह... बोला या तो किसने बोला था?" निम्न विकल्पों में से सही का चयन कर, रिक्त स्थान भरें।
- (1) भी (2) ही  
(3) नहीं (4) क्यों
32. "इस सब... एक दूसरे... चला करती साहिब।" निम्न विकल्पों में से रिक्त स्थानों में सही विकल्पों का चयन कर वाक्य पूर्ण कीजिए।
- (1) श्री, का (2) श्री, की  
(3) श्री, को (4) श्री, की

33. साहित्य अकादमी पुरस्कार का प्रारंभ कब से हुआ?
- (1) 1960 (2) 1947  
(3) 1950 (4) 1954
34. "खल की दूध, पीठ की पूजा" निम्न विकल्पों में से कौन-सा विकल्प प्रस्तुत मुहावरों का उचित अर्थ दर्शाता है?
- (1) केवल रूप बदलने से गुण नहीं बदलते।  
(2) लज्जित होकर बहुत क्रोध करना।  
(3) हर बीमारी का एक ही इलाज।  
(4) दुष्ट लोग पीठ से ही ठीक रहते हैं।
35. "जो भी खोपड़ी, उलटा..." सही विकल्प का चयन करके लोकोक्ति को पूर्ण कीजिए।
- (1) सर (2) खत  
(3) मत (4) गम
36. 'अथ' का विपरीतार्थी शब्द निम्न विकल्पों में से कौन-सा है?
- (1) पथ (2) जथ  
(3) इति (4) प्रथम
37. प्रतिवर्ष कौन-सा दिन हिन्दी दिवस के रूप में मनाया जाता है?
- (1) 14 अक्टूबर (2) 26 फरवरी  
(3) 14 सितंबर (4) 29 दिसंबर
38. "नाक का मोटी अथवा की कानि से, बीज राक्षस का समझकर भ्रान्त से। देखकर सहसा हुआ रुक सीन है। सोचता है अन्य रुक यह कौन है?" इस पंक्ति में प्रयुक्त अलंकार कौन-सा है?
- (1) एकावली अलंकार  
(2) समुच्चय अलंकार  
(3) प्रतिमान अलंकार  
(4) प्रतीप अलंकार
39. "हूँ बहुत दिन बुद्धिवा एक, चलती थी लकी को टेंक। उसके पास बहुत था माल, जान था उसको..." निम्न विकल्पों में से सही का चयन कर, रिक्त स्थान भरें।
- (1) नन्दाल (2) घर  
(3) दुकान (4) समुदाय
40. "ये से पढ़ा नहीं जाता। इस प्रतिपुस्तक काल के लिए निम्नलिखित में से शुद्ध वाक्य पहचानें।
- (1) ये से पढ़ा नहीं जाएगा।  
(2) मुझे पढ़ा नहीं जाएगा।  
(3) मुझसे पढ़ा नहीं जाता।  
(4) मैंने पढ़ा नहीं जा रहा।

41. Which of the following is not among the eightfold paths given by Buddha?
- (1) Right livelihood  
(2) Right goal  
(3) Right effort  
(4) Right speech
42. Bharner and Kaimur Hills are the extensions of which mountain range?
- (1) Vindhyas  
(2) Eastern Ghats  
(3) Aravalli  
(4) Western Ghats
43. Which of the following is correct regarding President's Rule in a state?
- a. When President's rule is imposed on a state, the Parliament has powers to make laws on any subject under the State List related to the state.  
b. Under President's rule, a law made by Parliament in any state remains effective even after President's rule.
- (1) Only b  
(2) Only a  
(3) Neither a nor b  
(4) Both a and b
44. Who appoints the Chief Election Commissioner?
- (1) A collegium consisting of President, Chief Justice and Attorney General  
(2) A collegium consisting of President, Chief Justice, Outgoing Chief Election Commissioner and Indian Vice President  
(3) President  
(4) Parliament
45. Which of the following is correct regarding the members of public services?
- a. A member of union public service or an all-India service or any member of state public service can neither be dismissed nor removed by any authority subordinate to that by which he was appointed.



b. No person shall be dismissed or removed or reduced in rank except after an inquiry in which he has been informed of the charges against him and given a reasonable opportunity of being heard in respect of those charges.

- (1) Only a  
(2) Only b  
(3) Neither a nor b  
(4) Both a and b
46. Using algorithms or ciphers, the data is first turned into an unreadable state. The conversion of data into the original form is known as
- (1) Rehashing  
(2) Data Mining  
(3) Decryption  
(4) Reverse Hack
47. Which of the following is used to maintain heart beat at normal rate?
- (1) Adrenalin  
(2) Pacemaker  
(3) Cerebrum  
(4) Hypothalamus
48. Which of the following is known as world food basket?
- (1) Mountains  
(2) Plains  
(3) Mountain ranges  
(4) Plateaus
49. What does the following traffic symbol indicate?



- (1) Danger Ahead  
(2) No Entry  
(3) Vehicles are parked ahead  
(4) Let Go Ahead
50. Established in 1964, \_\_\_\_\_ is the world's most comprehensive inventory of the global conservation status of biological species.
- (1) International Union for Conservation of Nature (IUCN) Red List  
(2) World Wildlife Fund (WWF)

- (3) Greenpeace  
(4) Britannica

51. According to the Income Tax Act, which of the following is not a person's residential status?
- (1) Resident but not ordinarily resident  
(2) Resident and ordinarily resident  
(3) Non-Resident  
(4) Non-Resident but not ordinarily Non-Resident
52. What is the name of mobile app developed by the Indian Institute of Information Technology and Management (IIITM), Kerala?
- (1) Kisan Suvidha app  
(2) mKisan app  
(3) Kshemam app  
(4) Agri Market app
53. Which of the following is not a function of the Comptroller and Auditor General of India?
- (1) To ensure that the government fiscal deficit remains in line with the budgetary target  
(2) Audit of all the receipts and expenditure of State Governments  
(3) Working as an external auditor for government-owned corporations  
(4) Audit of all the receipts and expenditure of Union government
54. Rickets, a disease caused by vitamin deficiency, affects which part of the human body?
- (1) Skin                      (2) Bone  
(3) Blood                    (4) Eyes
55. Which of the following statements is correct regarding the filing of Public Interest Litigation (PIL) in Indian courts?
- a. A person sitting in Mumbai can file a public interest petition in connection with the exploitation of some workers in Madhya Pradesh.  
b. PIL can be presented in a court by the court itself, instead of the aggrieved party or any third party.

- (1) Both a and b  
(2) Only a  
(3) Neither a nor b  
(4) Only b
56. When the public sector undertakings (PSUs) show a negative rate of return on capital, then the government sells its stake in the PSU. It is known as
- (1) Clearing history  
(2) Disinvestment  
(3) Liquidation  
(4) Investment
57. Which of the following has been mentioned in the Model Code of Conduct for election?
- a. Any minister of the ruling party at the center or state will not associate his official visit with the election campaign.  
b. During the 48 hour period ending with the scheduled hours for polling, no minister can approve a grant / payment from self-financed funds.
- (1) Only b  
(2) Only a  
(3) Both a and b  
(4) Neither a nor b
58. Name the topology in which all the nodes are connected to a cable with the help of an interface.
- (1) Ring topology  
(2) Star topology  
(3) Tree topology  
(4) Bus topology
59. Who was the first chairman of National Statistical Commission?
- (1) Rangarajan  
(2) P. Chidambaram  
(3) Suresh Tendulkar  
(4) Raghuram Rajan
60. Which of the following statements is correct regarding the Rajya Sabha?
- (1) Ten members of the house are nominated by the President  
(2) Vice President of India is the ex-officio chairman of the Rajya Sabha  
(3) Minimum age of thirty years has been fixed for membership of the Rajya Sabha  
(4) All states have been given equal representation



61. Which of the following is correct regarding the Attorney General of India?

a. In the execution of his duties, the Attorney General has the right of attendance in all courts in the territory of India.

b. The remuneration of Attorney General is determined by the President.

(1) Both a and b

(2) Only b

(3) Neither a nor b

(4) Only a

62. \_\_\_ case is related to crime of bigamy and the conflict between privacy laws and excessive need for uniform civil code in the country. The court opined that after conversion to Islam, the second marriage of a Hindu man would be invalid, if the first marriage was not dissolved.

(1) Lily Thomas vs. Union of India

(2) Samatha vs. State of Andhra Pradesh

(3) Shreya Singhal vs. Union of India

(4) Sarla Mudgal vs. Union of India

63. Arrange the following fundamental rights in that order, in which they are listed in the constitution.

a. Right to Equality

b. Right to constitutional remedy

c. Right to privacy

d. Cultural and educational right.

(1) adcb (2) bacd

(3) badc (4) adbc

64. When a company or person makes a foreign investment in a business which is not related to the current business in his country, then it is known as

(1) Vertical foreign direct investment

(2) Conglomerate foreign direct investment

(3) Horizontal foreign direct investment

(4) Greenfield investment

65. Which of the following is correct regarding the Prohibition of Child Marriage Act, 2006?

a. According to the act, on the wish of the contracting party, who was a child at the time of marriage, every child marriage is invalid. A decree of invalidity can be obtained by such person within three years of attaining adulthood by filing a petition for cancellation of the marriage in the district court.

b. At the time of giving an order, the district court would order the two parties and their parents or guardian to return to the other party, money, gold, jewelry, gifts and other valuable items.

(1) Neither a nor b

(2) Only b

(3) Both a and b

(4) Only a

66. Fundamental rights have no value without

(1) Right to freedom

(2) Right to privacy

(3) Right against exploitation

(4) Right to constitutional remedy

67. \_\_\_ is the oldest paramilitary force of India.

(1) Indo-Tibetan Border Police

(2) Assam Rifles

(3) Sashastra Seema Bal

(4) Border Security Force

68. Shanghai 5 group is, at present, known as

(1) Shanghai Cooperation Organization

(2) Shanghai Cooperative Bank

(3) Shanghai Development Group

(4) Shanghai Development Bank

69. Which of the following is correct regarding union territories?

a. A union territory can be accorded full statehood by making suitable laws in Parliament.

b. There is no representation of any union territory in the Rajya Sabha.

(1) Only a

(2) Neither a nor b

(3) Only b

(4) Both a and b

70. Which of the following has been mentioned in the Directive Principles of State Policy?

a. Promoting international peace and security.

b. Preventing the concentration of wealth in some hands.

c. Establishment of Gram Panchayats.

(1) Only a and b

(2) Only b and c

(3) Only a and c

(4) All of the above given as options

71. If a Right to Information applicant is not satisfied with the decision of the Public Information Officer, then

a. The applicant can file the first appeal within 30 days from the date of receipt of the decision of the Public Information Officer.

b. A complain can be registered to the Central Public Information Officer within 60 days.

(1) Only b

(2) Both a and b

(3) Neither a nor b

(4) Only a

72. The first state of India to pass Urban Land (Certification of Titles) Bill 2016 in the state legislative assembly was

(1) Gujarat

(2) Rajasthan

(3) Maharashtra

(4) Karnataka

73. In order to summon a person living in another country, the summon must satisfy all the requirements of an international agreement called

(1) International Criminal Court

(2) International Jurisdiction Commission

(3) International Court

(4) Hague Service Convention



74. Which award is known as Green Oscar?

- (1) World Conservation Award
- (2) Green Flag Award
- (3) World Energy Award
- (4) Whitley Award

75. During the Revolt of 1857, the rebellion at Kanpur was suppressed by

- (1) Sir Collin Campbell
- (2) Charles James Napier
- (3) Sir Patrick Grant
- (4) Sir Hugh Rose

76. The procedure for renaming a state can be initiated by

a. State

b. Centre

- (1) Only a
- (2) Only b
- (3) Both a and b
- (4) Neither a nor b

77. Which of the following statements is correct?

a. The governors and lieutenant-governors of the states and union territories of India have similar powers and functions at the state level as that of the President of India at Union level.

b. A governor cannot be the member of any house of parliament or state legislature.

c. The appointment of Governors and Lieutenant Governors are made by the President for a period of six years.

- (1) Only a and b
- (2) All of the above a, b and c
- (3) Only b
- (4) Only a and c

78. In which country was FIFA Under-17 World Cup organized?

- (1) India
- (2) France
- (3) Germany
- (4) United States of America

79. Which of the following statements is correct regarding the joint session of both houses of parliament?

a. The joint session of parliament is summoned by the President.

b. The joint session of parliament is presided by the Speaker of Lok Sabha.

- (1) Only a
- (2) Only b
- (3) Both a and b
- (4) Neither a nor b

80. Who was the Secretary General of Amnesty International on 30 November, 2017?

- (1) Irene Khan
- (2) Peter Benenson
- (3) Arundhati Roy
- (4) Salil Shetty

### NUMERICAL AND MENTAL ABILITY TEST

81. In a 50 litre mixture of pulp of fruits and water, there is 20% water. To raise the water content upto 50%, what amount of water must be added to the mixture?

- (1) 30 litres
- (2) 12 litres
- (3) 15 litres
- (4) 20 litres

82. A car A starts from point X and covers 60 km in 6 hours. Another car B starts from point Y and covers 48 km in 8 hours. Both run towards each other. Find the speed of car C which would have covered a distance of 360 km during the time taken by cars A and B to meet each other, given that distance between X and Y is 144 km.

- (1) 20 kmph
- (2) 40 kmph
- (3) 10 kmph
- (4) 30 kmph

83. What are respectively the mean and median of the following set of data?

- 5, 11, 7, 21, 25, 38, 13, 20, 40
- (1) 20 and 25
  - (2) 20 and 20
  - (3) 25 and 20
  - (4) 25 and 25

84. A, B and C separately can do a certain work in 12, 24 and 8 days respectively. If they work together for  $x$  days and thereafter A and B leave working and C does the remaining work in  $(x + 4)$  days, find the value of  $x$ .

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

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

85. A family has 5 members - grandfather, father, mother, son and daughter-in-law. The average age of the family is 44 years. Five years ago, the son got married and the age of daughter-in-law at that time was 18 years. Find the average age of family 6 years ago.

- (1) 43.75
- (2) 41.5
- (3) 43.25
- (4) 42.2

86. Calculate the volume of the frustum of a cone whose area of base is  $616 \text{ m}^2$  and the heights of cone and the heights of cone and frustum are 28 m and 14 m respectively.

- (1)  $5630.7 \text{ metre}^3$
- (2)  $5030.7 \text{ metre}^3$
- (3)  $6330.7 \text{ metre}^3$
- (4) None of these

87. A bag contains the coins of 10 paise, 25 paise, 50 paise and 1 rupee in the respective ratio of 14 : 6 : 10 : 5. Total value of all the coins together is Rs. 6450. If only one rupee coins are acceptable and not the lower denomination coins, how many more one rupee coins are required to double the present amount?

- (1) 129
- (2) 140
- (3) 104
- (4) 25

88. The distance between stations A and B is 220 km. A train reaches station B from A in 4 hours. If for return journey, its speed is decreased by 5 kmph. in what time will the train reach station A from station B?

- (1) 4.4 hours
- (2) 5 hours
- (3) 6 hours
- (4) 5.5 hours



89. The watches bought between price range of Rs. 6000 and Rs. 7000, are sold at prices ranging from Rs. 7000 to Rs. 8000. What maximum possible profit can be earned by selling 5 watches?

- (1) Rs. 14,000 (2) Rs. 13,500  
(3) Rs. 10,000 (4) Rs. 12,000

90. 20% of  $x$  is equal to 15% of  $y$ . If the value of  $y$  is 260, what is the value of  $x$ ?

- (1) 135 (2) 180  
(3) 195 (4) 210

91. What amount of rice costing Rs. 36 per kg should be mixed with 20 kg rice costing Rs. 56 per kg so that the trader earns a profit of 20% on selling the mixture at the rate of Rs. 48 per kg?

- (1) 60 kg. (2) 50 kg.  
(3) 90 kg. (4) 80 kg.

92. A box has 18 balls in which 8 balls are of white colour, 6 balls are of blue colour and the remaining balls are of yellow colour. Two balls are drawn at random from the box. What is the probability that one ball is yellow and the other is blue in colour?

- (1)  $\frac{8}{51}$  (2)  $\frac{4}{29}$   
(3)  $\frac{6}{49}$  (4)  $\frac{7}{51}$

93. What is the value of ' $x$ ' in the following equation?

$$20\% \text{ of } \sqrt{9025} + 1375 + 5 \times \sqrt{144} - 785 = x \times 7$$

- (1) 362 (2) 369  
(3) 348 (4) 355

94. A and B together can do a piece of work in 12 days. A alone can do the same work in 24 days. If A and B start to work together and A leaves after 5 days, in how many days will B alone complete the remaining work?

- (1) 14 days (2) 16 days  
(3) 20 days (4) 18 days

95. A 40 kg cake is distributed among A, B, C, D and E in such a way that A gets 15% of it, C gets 25% of it, E gets 30% and D gets 20% of it. If 1 kg cake costs Rs. 150 and each person pays in the ratio of his share, what is the amount paid by B and E together?

- (1) Rs. 1950 (2) Rs. 2050  
(3) Rs. 1850 (4) Rs. 2400

96. What is the value of ' $x$ ' in the following equation?

$$27 \times 23 + 13 \times 17 + (15 \times 20) + 3 = x$$

- (1) 922 (2) 942  
(3) 952 (4) 932

97. If it was Saturday on May 1, 1920, what will be the day on 61st day after that date?

- (1) Saturday (2) Wednesday  
(3) Thursday (4) Tuesday

98. What will be the value of ' $x$ ' in the following equation?

$$14 \times 13 + 13 \times 11 + (16 \times 17) + 8 = x$$

- (1) 329 (2) 359  
(3) 343 (4) 349

99. In how many different ways can all the letters of the word 'EDUCATION' be arranged so that all the vowels come together?

- (1) 362880 (2) 14400  
(3) 86400 (4) 2880

100. What will be the value of ' $x$ ' in the following equation?

$$40\% \text{ of } \sqrt{5625} + 861 + 7 \times \sqrt{196} - 157 \times 8 = 2x$$

- (1) 213 (2) 223  
(3) 233 (4) 243

101. The LCM of two numbers is 8372 and their HCF is 28. If the first number is 364, find the other number.

- (1) 161 (2) 364  
(3) 8372 (4) 644

102. A and B separately can do a piece of work in 15 days and 30 days respectively. How many days are required by A

and B together to finish the same work?

- (1) 12 days (2) 10 days  
(3) 6 days (4) 8 days

103. In two vessels, the mixtures of milk and water are in the ratio 3 : 1 and 7 : 3 respectively. To get the resulting mixture with milk and water in the respective ratio of 5 : 2, in what ratio should these two mixtures be mixed together?

- (1) 2 : 5 (2) 5 : 7  
(3) 3 : 5 (4) 4 : 3

104. In an organisation the average salary of 50 employees is Rs. 650. If the salaries of supervisor and manager are included, the average salary of all becomes Rs. 660. Find the average salary of supervisor and manager.

- (1) Rs. 950 (2) Rs. 910  
(3) Rs. 810 (4) Rs. 860

105. The marked price of car is 50% more than its cost price. If the selling price is increased by 20%, the amount of profit is doubled. If the original marked price was Rs. 300000, what was the original selling price?

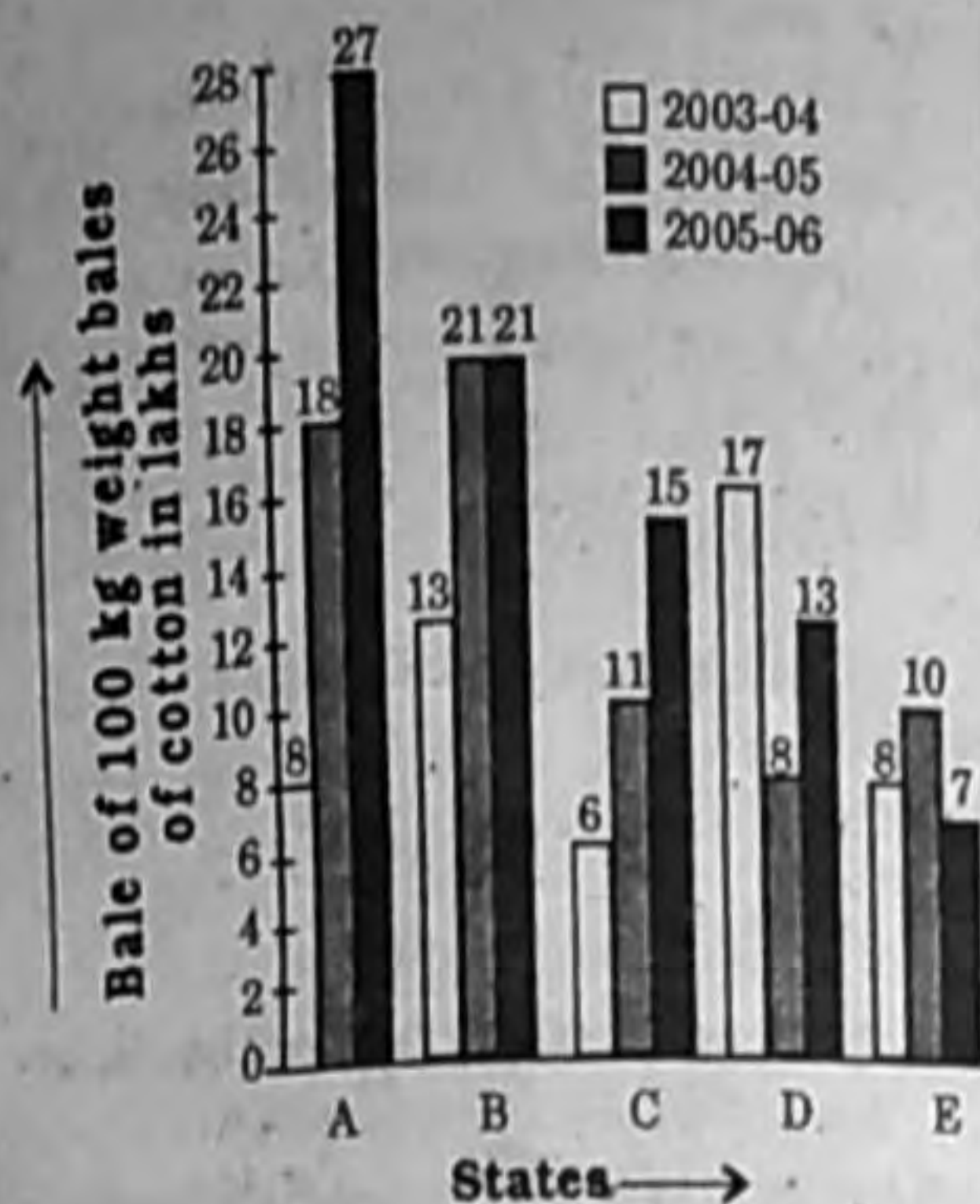
- (1) Rs. 2,45,000  
(2) Rs. 2,35,000  
(3) Rs. 2,60,000  
(4) Rs. 2,50,000

106. A train X is standing just outside the 400 metre long platform. If another 280 metre long train Y crosses the platform in 40 seconds and also crosses train X in 30 seconds, what is the length of train X?

- (1) 255 metre (2) 210 metre  
(3) 230 metre (4) 280 metre

**Directions (107 - 110) :** The following bar diagram shows the production of 100 kg weight cotton bales in lakhs by the states A, B, C, D and E according to the years of production. Study the bar diagram and answer the following questions.





- (1) Rs. 18,000  
 (2) Rs. 16,500  
 (3) Rs. 15,000  
 (4) Rs. 12,500

**112.** Two computer companies A and B sell computers at Rs. 36000 each. If company A calculates its profit at cost price and company B does it at selling price, then each company earns 20% profit. The profit earned by company B is by what per cent more than that earned by company A?

- (1) 15% (2) 20%  
 (3) 25% (4) 10%

**113.** What will be the radius of a circle whose area is equal to the area of the trapezium of height 4 cm and the lengths of its parallel sides are 37 cm and 40 cm?

- (1) 14 cm. (2) 21 cm.  
 (3) 49 cm. (4) 7 cm.

**114.** Five bells ring at the intervals of 3, 5, 9, 10 and 15 minutes. If they start ringing together at 10 a.m., when will they ring together again?

- (1) 11 : 30 : 00 pm  
 (2) 11 : 15 : 00 pm  
 (3) 11 : 30 : 00 am  
 (4) 11 : 15 : 00 am

**115.** A car runs for four hours at the rate of 50 kmph and a bike runs for 6 hours at the rate of 80 kmph. What distance did car and bike together cover?

- (1) 640 km. (2) 540 km.  
 (3) 680 km. (4) 720 km.

**116.** If  $\sqrt{0.03 \times 0.3 \times a} = 0.3 \times 0.3 \times \sqrt{b}$ , what will be the value of  $\frac{a}{b}$ ?

- (1) 0.009 (2) 0.03  
 (3) 0.9 (4) 0.08

**117.** If 9th February 2012 falls on Thursday, what will be the day on February 9, 2016?

- (1) Tuesday (2) Wednesday  
 (3) Saturday (4) Thursday

**118.** If set  $U = \{1, 2, 3, \dots, 80\}$ , set  $P = \{7, 9, 24, 57, 69\}$  and set  $Q = \{8, 9, 25, 57, 69\}$ , then what is the value of

$$n(P \cap Q) - n(P \cup Q) ?$$

- (1) 8 (2) 7  
 (3) 4 (4) 9

**119.** If Rs. 12000 is lent at the rate of 5 per cent per annum compounded annually, what will be the compound interest in 2 years?

- (1) Rs. 1,050 (2) Rs. 1,180  
 (3) Rs. 1,230 (4) Rs. 1,350

**120.** The sum of three consecutive numbers is 12, what will be the product of second and third number?

- (1) 24 (2) 22  
 (3) 18 (4) 20

### MENTAL APTITUDE TEST - IQ TEST- REASONING

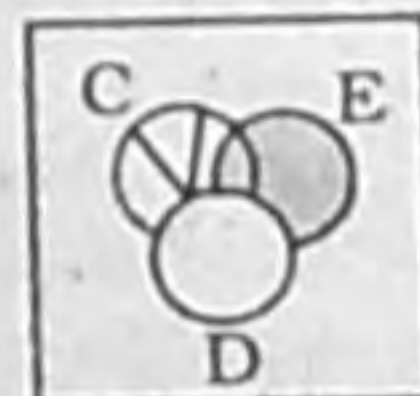
**121.** Select the option which is different from the other alternatives :

480, 471, 453, 464, 462

- (1) 462 (2) 464  
 (3) 453 (4) 480

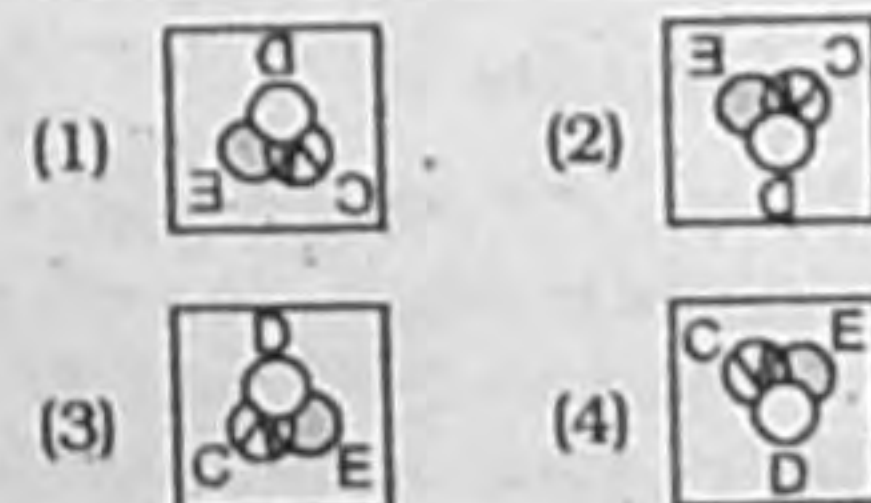
**122.** If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

**Question Figure :**



A B

**Answer Figures :**



**123.** The question below consists of two statements labelled I and II. You have to decide whether the data provided in the statements are sufficient to answer



the question. Read both the statements and give your answer.

**Question :** Four cars  $C_1$ ,  $C_2$ ,  $C_3$  and  $C_4$  took part in a race. Evaluate the situation of victory of car  $C_2$ .

- I.  $C_3$  and  $C_1$  finished the race in 50 and 80 seconds respectively.
- II.  $C_2$  crossed the finishing line after  $C_3$  but before  $C_1$ .  $C_4$  finished the race in 135 seconds and came at the last position.
  - (1) Data in both Statements I and II together are not sufficient to answer the question
  - (2) Data in both Statements I and II together are sufficient to answer the question
  - (3) Data in Statement I alone are sufficient to answer the question while data in Statement II alone are not sufficient to answer the question
  - (4) Data in Statement II alone are sufficient to answer the question while data in Statement I alone are not sufficient to answer the question

**124.** The question given below consists of a statement followed by two assumptions numbered I and II. You have to assume everything in the statement to be true and consider the two assumptions together and decide which of the them is logically implicit in the statement.

**Statements :**

"If you will annoy me, I will lodge a complain against you" – A young woman warns who causes annoyance to girls.

**Assumptions :**

- I. The person who causes annoyance to girls may refrain from such act after warning.

II. All young women basically are of quarrelsome.

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

**125.** In a certain code language 'FOLDAWAY' is written as 'GNMCBVBX'. What will be the code of 'FOGBOUND' in that code language?

- (1) APTOCHNG
- (2) GNHAPTOC
- (3) APTOCGNH
- (4) GNHTOCPA

**126.** Abhishek walks 8 km towards south and then turns to his left and walks for 2 km and again turns to his left and walks for 4 km and again he turns to his left and walks for 10 km and finally he turns to his right and walks for 4 km. How far is he from the starting point?

- (1) 8 km.           (2) 10 km.
- (3) 9 km.           (4) 4 km.

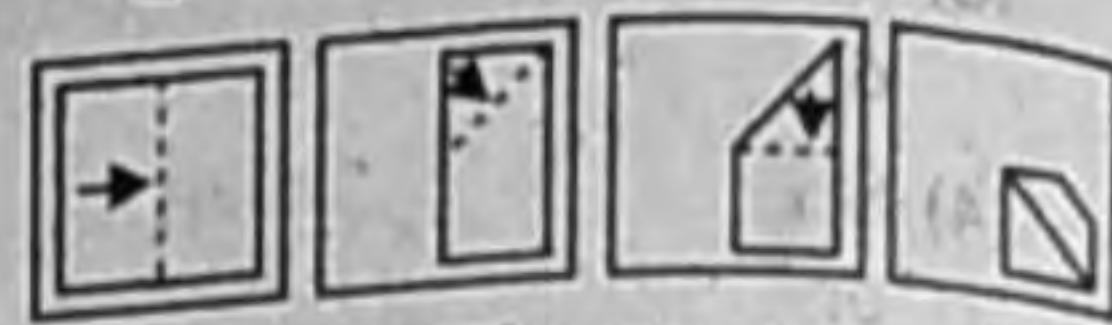
**127.** "Rakesh will continue his study till he gets a job" – a true statement.

Which of the following Conclusions is correct?

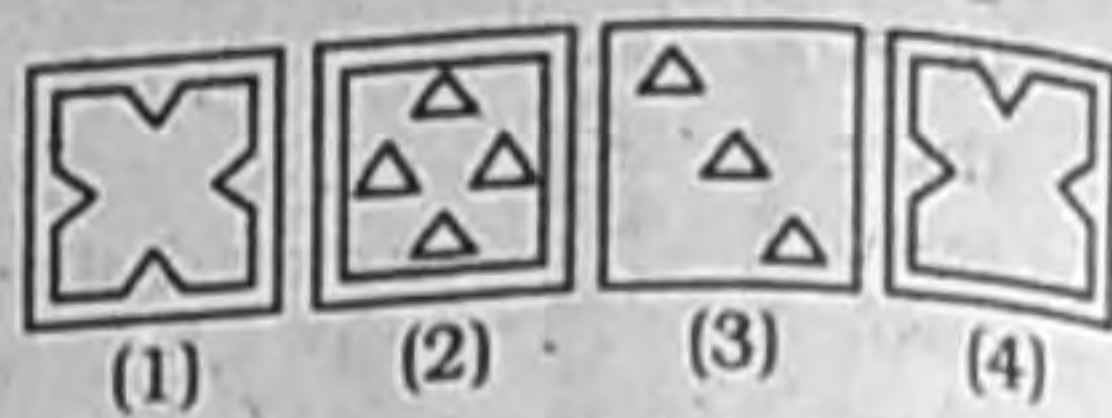
- (1) Rakesh is studying to get a job.
- (2) Rakesh will get a job
- (3) Rakesh is preparing for government job
- (4) Rakesh does not like to study

**128.** A piece of paper is folded and cut as shown below in the question figures. From the given answer figures, indicate how it will appear when opened.

**Question Figures :**



**Answer Figures :**



**Directions (129–131) :** Following are the conditions for allocating hostel for its students by a college.

The student must

- (A) have completed B. Tech with at least 70 per cent marks
- (B) have passed entrance exam conducted by the college
- (C) not have residential address near to college (Approximately 10 km.)
- (D) have a certificate in sports

If a student fulfils all the conditions above, EXCEPT

- I. (A) above, then he/she will get hostel three months after the college reopens
- II. (C) above, then he/she will be waitlisted
- III. (D) above, then he/she will get hostel within one month after the college reopens.

What decision should be taken in each of the following cases. The cases are given to you as on 01.07.2017.

**129.** Ritu, a resident of Kolkata has come from hundreds of miles away after passing the entrance exam conducted by the college. She has completed B.Tech CSE with 80 per cent marks and she aspires to be a data analytics. She is an active woman player and have secured trophies for her college.

- (1) Data are inadequate to take any decision
- (2) She will get hostel three months after the college reopens or she will be waitlisted



- (3) She will get hostel immediately
- (4) She will get hostel within one month
- 130.** Deepak has completed B.Tech in Biotechnology and he has three certificates in sports. His residential address is 120 km away from the college. He has passed entrance exam.
- (1) He will get hostel within a month
- (2) He will get hostel immediately
- (3) Data are inadequate to take any decision
- (4) He will get hostel three months after the college reopens or he will be wait-listed

- 131.** Neha has three certificates in sports. She has completed B.Tech with 90 per cent marks. She has passed entrance exam conducted by the college. She lives only few houses away from the college.
- (1) She will get hostel three months after the college reopens or she will be waitlisted
- (2) Data are inadequate to take any decision
- (3) She will get hostel within one month
- (4) She will get hostel immediately

- 132.** Select the relative number for the second pair from the given options which will replace the question mark (?) following the same relation as in the first pair.

$$170 : 72 :: 458 : ?$$

- (1) 60                      (2) 120  
(3) 165                     (4) 83

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

$$122, 170, 226, 290, ?$$

- (1) 384                     (2) 362  
(3) 356                     (4) 369

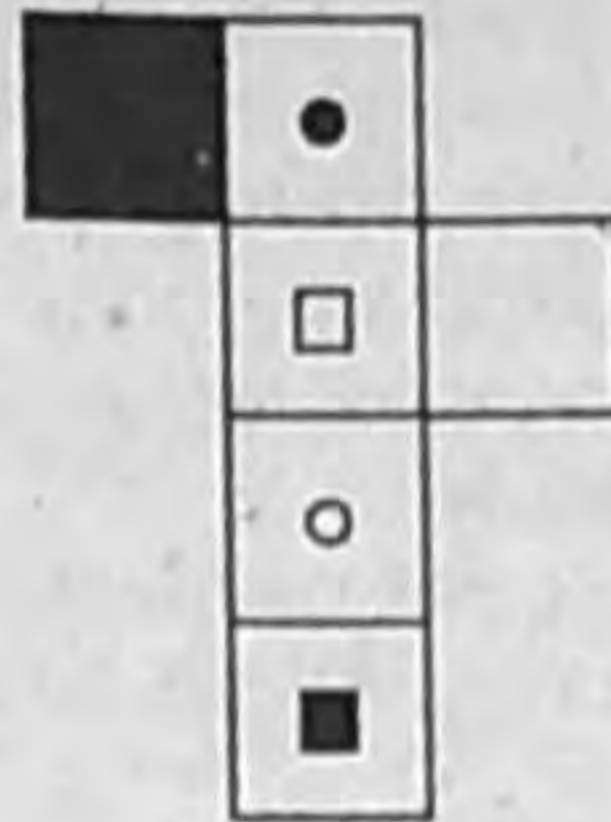
- 134.** Find the next number in the following series :

$$3, 7, 9, 13, 21, 31, ?$$

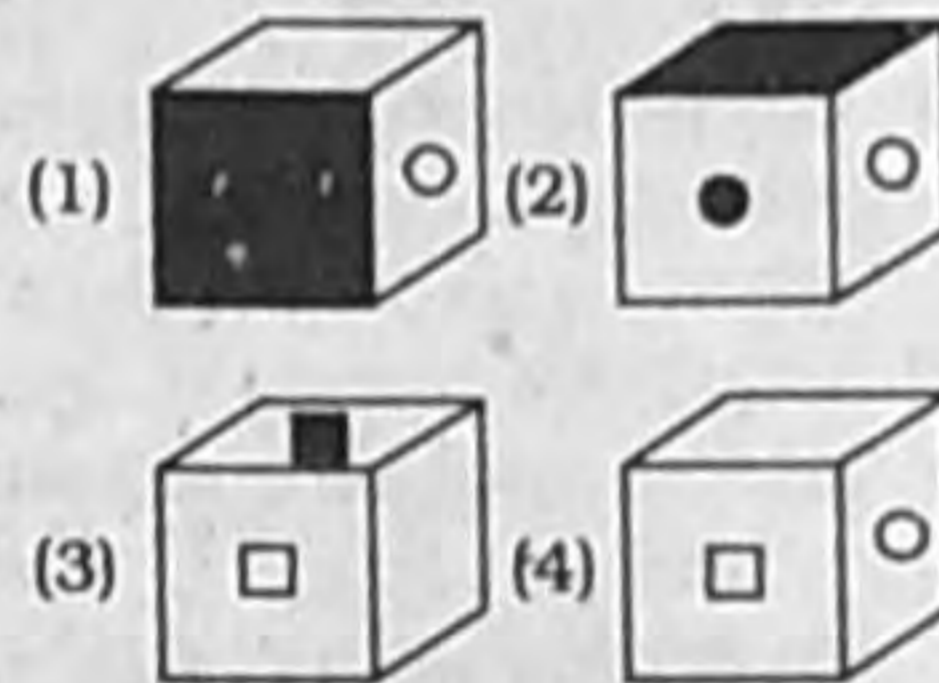
- (1) 43                      (2) 47  
(3) 45                      (4) 41

- 135.** From the given options, which answer figure can be formed by folding the figure given in the question?

**Question Figure :**



**Answer Figures :**



- 136.** There are four plants of roses of four different colours, red, white, pink and blue, in a garden. Blue rose plant is neither as tall as red rose plant nor as short as pink rose plant. White rose plant is shorter than blue rose plant, but taller than pink rose plant. If Priya wants to buy the shortest plant of rose, she should buy the rose plant of which colour?

- (1) Plant of red rose  
(2) Plant of pink rose  
(3) Plant of blue rose  
(4) Plant of white rose

- 137.** In a certain code language 'ANSWER' is written as 'RC-SWPA'. What will the code for 'COLOUR' in that code language?

- (1) RSWMHC    (2) RQPMHC  
(3) RSKPQC    (4) RQPHMC

- 138.** Pointing towards a girl in the school a teacher said, "She is the only daughter of only daughter of my brother". How that girl is related to the teacher?

- (1) Sister  
(2) Daughter  
(3) Daughter of niece  
(4) Cousin

- 139.** In a certain code language 'DIRECT' is written as 'WRIVXG'. What will be the code for 'EXERCISE' in that code language?

- (1) VIVCXRHV  
(2) VCVIXRHV  
(3) VXVCIHRV  
(4) VVICXHRV

- 140.** The question below consists of two statements labelled I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give your answer.

**Question :**

How the person is related to the girl?

- I. The mother of girl is sister of the person's wife.  
II. The person is brother of uncle of girl's father.

- (1) Data in Statement II alone are sufficient to answer the question while data in Statement I alone are not sufficient to answer the question
- (2) Data in both Statements I and II together are not sufficient to answer the question
- (3) Data in Statement I alone are sufficient to answer the question while data in Statement II alone are not sufficient to answer the question
- (4) Data in both Statements I and II together are sufficient to answer the question



**141.** In the following question, there are two statements followed by two Conclusions I and II. Read the Conclusions and decide which of the Conclusion(s) logically follows the Statements.

**Statements :**

All boards are fans.

All pins are fans.

**Conclusions :**

- I. All fans are boards.
- II. Some pins being boards is a possibility.
  - (1) Only Conclusion II follows
  - (2) Either Conclusion I or Conclusion II follows
  - (3) Neither Conclusion I nor Conclusion II follows
  - (4) Only Conclusion I follows

**142.** Read the following Statement and answer which of the following arguments is strong.

**Statement :**

Should every student of college in India undergo compulsory military training programme to get his/her degree.

**Arguments :**

- I. Yes. This is one of the ways to increase man force in the Army.
- II. No. This is against the right of a person to choose his own field.
  - (1) Either Argument I or Argument II is strong
  - (2) Neither Argument I nor Argument II is strong
  - (3) Only Argument II is strong
  - (4) Only Argument I is strong

**143.** The question given below consists of a statement followed by two assumptions numbered I and II. You have to assume everything in the statement to be true and consider the two assumptions together and decide which of the them is logically implicit in the statement.

**Statement :**

"Fast speed is thrilling but takes away life" – an advertisement.

**Assumptions :**

- I. Slow driving protects from death.
- II. Many drivers are illiterates.
  - (1) Neither Assumption I nor Assumption II is implicit
  - (2) Either Assumption I or Assumption II is implicit
  - (3) Only Assumption II is implicit
  - (4) Only Assumption I is implicit

**144.** Select that Conclusion which logically follows the statement.

**Statements :**

- A. I call my mother only when I am feeling sad.
- B. When I am on duty I never feel sadness.
- C. When I stay at home I enjoy very much.

- (1) If I am sad I remain on duty
- (2) If I am not on duty I will call my mother
- (3) If I am sad I will call my mother
- (4) I go to house frequently

**145.** Nikita travels 5 km towards east in a car and then turns to her right and travels 10 km, again she turns to her right and travels 17 km, after that she again turns to her right and travels 10 km. How far she is now from the starting point?

- (1) 12 km.      (2) 5 km.
- (3) 10 km.      (4) 17 km.

**146.** The question below consists of two statements labelled I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give your answer.

**Question :**

Five persons A, B, C, D and E are sitting in a row. What is the position of B from the left end?

- I. A and C are at extreme ends.
- II. D is in the middle.

(1) Data in both Statements I and II together are not sufficient to answer the question

(2) Data in Statement I alone are sufficient to answer the question while data in Statement II alone are not sufficient to answer the question

(3) Data in both Statements I and II together are sufficient to answer the question

(4) Data in Statement II alone are sufficient to answer the question while data in Statement I alone are not sufficient to answer the question

**147.** Select that which is different from other alternatives :

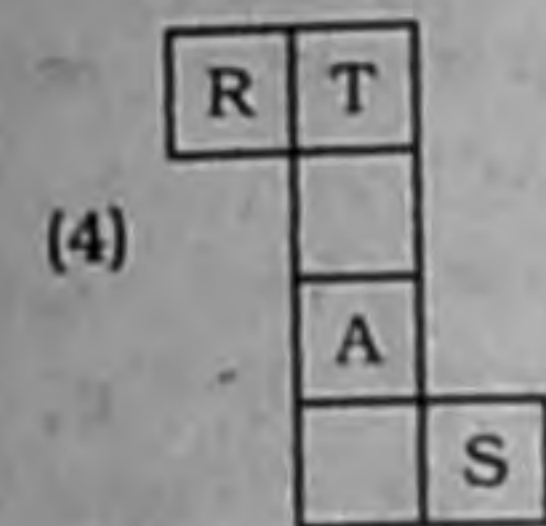
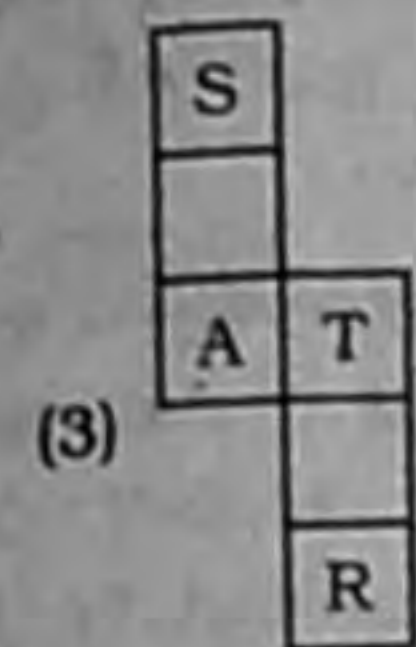
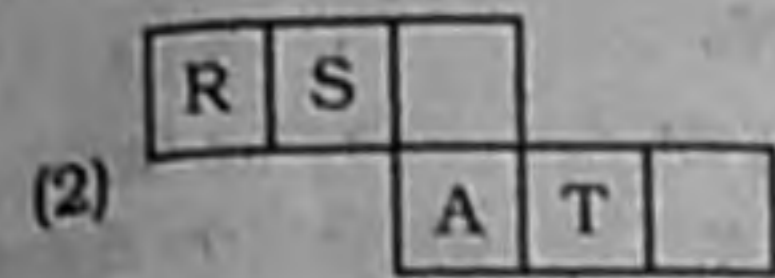
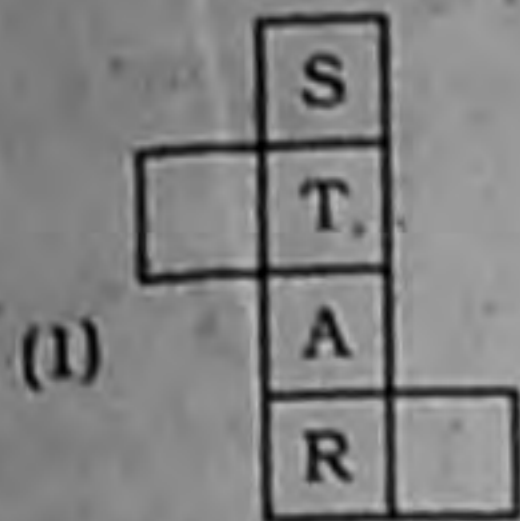
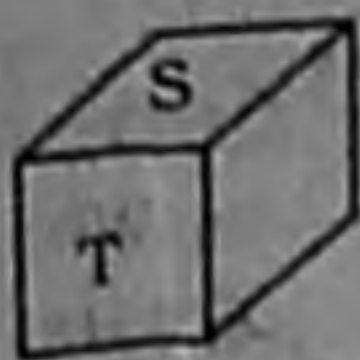
- (1) Index finger
- (2) Middle finger
- (3) Ring finger
- (4) Lady finger

**148.** Pointing towards a photograph, Ravi said, "He is the only grandson of only child of my grandfather". How is the person in the photograph related to Ravi?

- (1) Nephew      (2) Cousin
- (3) Grandson      (4) Son

**149.** In the diagram given below two letters of the word "STAR" are kept on structure of a cube. Select that figure from the given alternatives which describes the cube best and that too in such a manner when it is folded to make a cube, it represents the word "STAR" in a proper order.





150. Select the option which is different from the other alternatives :

3, 7, 7, 11, 9, 13, 13, 17, 14, 18

- (1) 13, 17      (2) 14, 18  
(3) 7, 11      (4) 9, 13

151. An ant moves 2 metre towards west, turns to right and moves 6 metre, turns to left and moves 5 metre and then turns to east and moves 7 metre. How far is it from the starting point?

- (1) 6 metre      (2) 2 metre  
(3) 5 metre      (4) 4 metre

152. Six persons are participating in a roundtable conference. They are Priya, Shruti, Anamika, Richa, Soni and Puja but it is not necessary that they are sitting in the same order. Shruti is sitting adjacent to

Anamika and Soni. Priya is sitting opposite to Shruti. Richa is sitting to the immediate left of Soni. Who is sitting opposite to Richa?

- (1) Priya      (2) Puja  
(3) Anamika      (4) Shruti

**Directions (153-155) :** Study the following information carefully and answer the questions given below :

When a word and number arrangement machine is 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** : 10 ground 03 24 random unknown 19 imply 36 29 mourn enamel

**Step-I** : enamel 03 10 ground 24 random unknown 19 imply 36 29 mourn

**Step-II** : enamel 03 10 ground 24 unknown 19 imply 29 mourn random 36

**Step-III** : enamel 03 imply 19 10 ground 24 unknown 29 mourn random 36

**Step-IV** : enamel 03 imply 19 10 ground unknown 29 mourn 24 random 36

**Step-V** : enamel 03 imply 19 unknown 29 10 ground mourn 24 random 36

**Step-VI** : enamel 03 imply 19 unknown 29 ground 10 mourn 24 random 36

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

153. As per the rules followed in the above steps, which of the following Steps is the output of the input given below :

**Input** : 05 12 bracelet travel 94 47 orange effect 68 73 urgent kidney

"effect 05 orange 47 12 bracelet 68 73 urgent kidney travel 94"

- (1) Step-III      (2) Step-VI  
(3) Step-V      (4) Step-IV

154. As per the rules followed in the above steps, which element is fourth to the left of fifth element from the right end in the Step-V of the input given below?

**Input** : 05 12 bracelet travel 94 47 orange effect 68 73 urgent kidney

- (1) 47      (2) 73  
(3) urgent      (4) orange

155. As per the rules followed in the above steps, what is the product of the fourth from the left and fifth from the right in the last step of the input given below?

**Input** : 05 12 bracelet travel 94 47 orange effect 68 73 urgent kidney

- (1) 235      (2) 365  
(3) 564      (4) 340

156. Select that option which is different from other alternatives :

- (1) Ruskin Bond  
(2) Charles Dickens  
(3) R K Narayan  
(4) William Wordsworth

157. Select the relative number for the second pair from the given options which will replace the question mark (?) following the same relation as in the first pair.

09 : 29 :: 21 : ?

- (1) 85      (2) 65  
(3) 55      (4) 76

158. Read the following statement and answer which of the following arguments is strong.

**Statement :**

Should all the offices work for only five days in a week?

**Arguments :**

- I. Yes. It will help improve the productivity of employees.  
II. Yes. It will ensure full attendance on other days.



- (1) Only Argument I is strong
- (2) Both Arguments I and II are strong
- (3) Neither Argument I nor II is strong
- (4) Only Argument II is strong

**159.** Neela, the daughter of Pankaj, said to Deepa, "Your mother Hema is sister of my father, who is second child of wife of Dev".

How Dev is related to Deepa?

- (1) Uncle
- (2) Grandfather
- (3) Father-in-law
- (4) Father

**160.** In the following question, there are four statements followed by two Conclusions I and II. Read the Conclusions and decide which of the Conclusions logically follow(s) the statements.

**Statements :**

- All cables are units.
- Some units are parts.
- Some parts are bulbs.
- All bulbs are plants.

**Conclusions :**

- I. Some units are plants.
  - II. No unit is plant.
- (1) Neither Conclusion I nor Conclusion II follows
  - (2) Only Conclusion I follows
  - (3) Either Conclusion I or Conclusion II follows
  - (4) Only Conclusion II follows