

154/2016

Question Booklet
Serial Number

100096

Maximum Marks : 150

Time : 3 Hours

Fill in the blanks using correct prepositions :

10x½=5

1. The boy was convicted lying.
2. Kiran killed two birds one shot.
3. I saw Praveen the bus stop.
4. I have been ill Sunday.
5. I will have submitted the assignment Monday next.
6. My scooter is repair.
7. The argument was the two brothers.
8. Is this the novel you were searching ?
9. Ashoka ruled a vast empire.
10. I buy things from the shop credit.

Correct the following sentences :

5x1=5

11. None of the boys had learnt their lesson.
12. I have many works to do.
13. He has completed his studies in 1980.
14. Let us wait for him until he will finish his work.
15. In the beginning of the century people travelled from Britain to India by sea.

[P.T.O.]

Add the correct question tag :

2x1=2

16. I am your teacher, ?

17. Let's have a cup of tea, ?

Change into passive voice :

2x1=2

18. Someone broke into his house and stole a lot of things.

19. Who wrote it ?

Change into reported speech :

2x1=2

20. Anu said to the librarian, "How many books can I borrow at a time" ?

21. The doctor said to the patient, "Don't take cold water until you recover".

Rewrite as directed :

4x1=4

22. Rani plays the Piano. She plays the guitar.
(Combine the sentences using "both....and")

23. Akhil did not attend the class. He did not appear for the examination.
(Combine the sentences using "neither....nor")

24. I will not let you in. You may be anyone.
(Combine the sentences into a complex sentence)

25. The examination was over. The school was closed.
(Combine the sentences into a simple sentence)

Make meaningful sentences using the following idioms :

5x2=10

26. at one's beck and call

27. face the music

28. pie in the sky

29. to burn the candle at both ends

30. with a grain of salt

31. Find out the wrongly spelt word : 1x1=1
Lieutenant, Acquaintance, Instantaneous, entrepreneur
32. Fill in the blanks with the antonym of the word underlined : 1x1=1
Two of the accused were convicted and two were
33. Give one word for the group of words underlined : 1x1=1
He is a person who can speak many languages.
34. Choose the right word from the pairs given in brackets : 1x1=1
Convey my to your brother. (Complements/Compliments)
35. Which of the following words is **not** a synonym of 'vengeance' : 1x1=1
retribution, retaliation, reprisal, breathtaking
36. Fill in blanks with the correct tense forms of the verbs given in brackets : 3x1=3
My sister is not here. She _____ (go) to Delhi. She _____ (look) for a job ever since she _____ (pass) the examination three years ago.
37. Insert articles wherever necessary and rewrite the paragraph : 10x½=5
Last week when I was walking down the street I met tall woman with leather bag in her hand. When I talked with her, I learnt that she is daughter of MP and that she was planning to contest seat in the Legislative Assembly. At present she is practising as advocate in High Court of Kerala. She said if she didn't get party ticket, that is, if she did not get support of any political party, she would try her luck as independent candidate.
- Identify the parts of speech of the underlined words : 5x1=5
38. The plane was flying above the clouds.
39. Please write to me at the above address.
40. You can not choose to absent yourself from school without genuine reason.
41. Absent a detailed plan, the project was doomed from the start.
42. Sharon has been absent from school for a week now.
43. Use the appropriate form of the word given in brackets : 1x1=1
Our journey through the dense forest was really (hazard).

44. Choose the correct alternative from the brackets to fill in the blanks : 1x1=1
He would have broken his legs if he from the tree.
(falls, fell, had fallen, should fall)

45. Summarize the following passage in about a third of its length and prepare a precis : 25x1=25

Paper is different from other waste produce because it comes from a sustainable resource : trees. Unlike minerals and oil used to make plastics and metals, trees are replaceable. Paper is also biodegradable, so it does not pose as much threat to the environment when it is discarded. While 45 out of every 100 tonnes of wood fibre used to make paper in Australia comes from waste paper, the rest comes directly from virgin fibre from forests and plantations. By world standards this is a good performance since the world wide average is 33 percent waste paper. Governments have encouraged waste paper collection and sorting schemes and the same time, the paper industry has responded by developing new recycling technologies that have paved the way for even greater utilization of used fibre. As a result, industry's use of recycled fibres is expected to increase of twice the rate of virgin fibre over the coming years. Already, waste paper constitutes 70% of paper used for packaging and advances in the technology required to remove ink from the paper have allowed a higher recycled content in newsprint and writing paper. To achieve the benefits of recycling, the community must also contribute. We need to accept a change in the quantity of paper products ; for example stationery may be less white and of a rougher texture. There also needs to be support from the community for waste paper collection programmes. Not only do we need to make the paper available to collectors but it also needs to be separated into different types and sorted from contaminants such as staples, paper clips, string and other miscellaneous items. There are technical limitations to the amount of paper which can be recycled and some paper products cannot be collected for re-use. These include paper in the form of books and permanent records, photographic paper and paper which is badly contaminated. The four most common sources of paper for recycling are factories and retail stores which gather large amounts of packing material in which goods are delivered, also offices which have unwanted business documents and computer outputs, paper converters and printers and lastly households which discard newspapers and packing material. The paper manufacturer pays a price for the paper and may also incur the collection cost. One collected, the paper has to be sorted by hand by people trained to recognize various types of paper. This is necessary because some types of paper can only be made from particular kinds of recycled fibre. The

sorted paper then has to be repulped or mixed with water and broken down into its individual fibres. This mixture is called stock and may contain a wide variety of contaminating materials, particularly if it is made from mixed waste paper which has had little sorting various machinery is used to remove other materials from the stock. After passing through the re-pulping process, fibres from printed waste paper are grey in colour because the printing ink has soaked into the individual fibres. This recycled material can only be used in products where the grey colour does not matter, such as cardboard boxes but if the grey colour is not acceptable, the fibres must be de-inked. This involves adding chemicals such as caustic soda or other alkalies, soaps and detergents, water-hardening agents such as calcium chloride, frothing agents and bleaching agents. Before the recycled fibres can be made into paper they must be refined or treated in such a way that they bond together. Most paper products must contain some virgin fibre as well as recycled fibres and unlike glass, paper cannot be recycled indefinitely. Most paper is down-cycled which means that a product made from recycled paper is of an inferior quality to the original paper. Recycling paper is beneficial in that it saves some of the energy, labour and capital that goes into producing virgin pulp. However, recycling requires the use of fossil fuel, a non-renewable energy source, to collect the waste paper from the community and to process it to produce new paper and the recycling process still creates emissions which require treatment before they can be disposed of safely. (700 words)

46. $12\ \Omega$, $6\ \Omega$ resistors are connected in series to a 9 V battery. Find the intensity of current through each resistor ? 1
47. What is Njattuvela ? 1
48. What is the difference between liquor ammonia and liquid ammonia ? 1
49. State Faraday's law of Electrolysis ? 1
50. Find out the number of turns in the secondary coil of a stepdown transformer of output voltage 18 V and input voltage 240 V and having 8000 turns in the primary coil ? 2
51. Name the monomer of PVC. Write the equation of polymerisation reaction producing PVC. 2
52. CNG is used as a fuel in a number of vehicles in Delhi. Write two advantages of CNG over petrol and diesel. 2

Very Short Answer Questions :

53. What is meant by "pheromones" ? 1
54. Name the virus which causes "AIDS". 1
55. Night blindness cannot be rectified by lense. Why ? 1
56. Name the 'hormone' which is known as 'biological clock' ? 1

Short Answer Questions :

57. How does myelin sheath help the axon in their functions ? 2
58. Explain commensalism with one example. 2
59. Differentiate between "DNA and RNA". (Any two differences) 2
60. What are the two important fundamental rights recognised under Article 21 of the constitution ? 1
61. What are the provisions of the Indian Constitution which empowers the Supreme Court and High Courts to issue writs for the enforcement of fundamental rights ? 1
62. Who are the members of the Electoral College for the election of the President of India ? 1
63. List out the important fundamental freedoms enshrined under Article 19 of the Constitution. 2
64. Briefly explain the different types of emergencies provided under the Indian Constitution. 5
65. Which International conference has paved way for the development of Environmental Law in India and brings out the enactment of The Environment (Protection) Act, 1986 ? 1
66. Name the law enacted to protect the constitutional rights of women against the violence occurring within the family. 1

67. What is the name of the most recent legislation which deals with children in conflict with law and children in need of care and protection ? 1
68. What is the objective of The National Food Security Act, 2013 ? 2
69. What types of information are exempted from disclosure under The Right to Information Act, 2005 ? 5

SECTION - A

Write answers to the following questions in **one** word or **one** sentence. Each one carries **1** mark :

70. The person who became martyr in the Paliyam Sathyagraha ? 1
71. How 'get' related with Jews ? 1
72. In which of his work Sreenarayana Guru denounces caste system emphasizing oneness of mankind ? 1
73. The Divan who passed the order that gave permission to the Channar women to wear upper cloth ? 1
74. Who made the first *Kannadipradishita* (installation of mirror as deity) ? 1
75. The photographer who shot the image of Ailan Kurdi, the migrant boy who washed up dead on the Turkish shoreline ? 1
76. Where did exist India's first gender park ? 1
77. Where is Golden Gate Bridge ? 1
78. Who was the first Asian that wins the Golden Reel Award ? 1
79. In memory of whom, the Ranaji Trophy Cricket has been named ? 1
80. The United Kingdom's prestigious Founder's Award 2016 has been conferred to whom ? 1
81. Who has been named as AIBA ambassador for Women's World Boxing Championship ? 1

82. Where the Indian Army did conducts *shatrujeet* battle exercise in 2016 ? 1
83. What is Hypoglycemia ? 1
84. Which Article of Indian constitution abolished untouchability ? 1
85. In which Indian State the super computer *Param Kauchenjunga* has been launched ? 1
86. Which is the Malayalam translation of Kautilya's *Arthashastra* ? 1
87. Which animal is known as foxterrier ? 1

SECTION - B

Write answers for **three** or **four** sentences. Each question carries **2** marks :

88. How did the Kuttamkulam Sathyagraha help for breaking untouchability ? 2
89. How Kodungallur Kunhikuttan Thampuran could introduce revolution in the literary field ? 2
90. What role did Parvathi Nenminimangalam play in the upliftment of Women in Kerala ? 2
91. Why Vijay Mallya is in news recently ? 2
92. Write on the issue of Women's entry in Shani Shingnapur Temple, Maharashtra ? 2
93. Write on the global issues due to the melting of Polar ice sheets ? 2

SECTION - C

Write answer to the following question **not less than 75** words. The question carries **5** marks :

94. Briefly analyze the merits and difficulties of pesticide free farming. 5

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