INSTRUCTIONS

1. Select the correct answer from the options given below each question.
2. Mark only one answer.
3. Do not attempt to use scratch paper for calculations.
4. The number of marks carried by a question/part is indicated against it.
5. Answer must be written in the medium authorized in the Admission Certificate which must be stated clearly on the cover of this Question-cum-Answer (QCA) Booklet in the space provided. No marks will be given for answers written in a medium other than the authorized one.
6. Word limit in questions, wherever specified, should be adhered to.
7. Any page or portion of the page left blank in the Question-cum-Answer Booklet must be clearly struck off.

(Please read each of the following instructions carefully before attempting questions)

There are TWENTY questions printed both in KANNADA and in ENGLISH.

All the questions are compulsory.

The number of marks carried by a question/part is indicated against it.

Answer must be written in the medium authorized in the Admission Certificate which must be stated clearly on the cover of this Question-cum-Answer (QCA) Booklet in the space provided. No marks will be given for answers written in a medium other than the authorized one.

Word limit in questions, wherever specified, should be adhered to.

Any page or portion of the page left blank in the Question-cum-Answer Booklet must be clearly struck off.
Answer all the questions in not more than 150 words each. Contents of the answer are more important than its length. All questions carry equal marks:

1. Define the global warming and explain its effects. 12½

2. Discuss the precautionary measures to reduce CFCs in the environment. 12½

3. Discuss the role of Civil Society in forest management and its Sustainable development. 12½

4. Discuss the importance of hotspot biodiversity and its development. 12½

5. Describe the role of information technology on human health. 12½

6. Write a note on the sustainable development of water resources. 12½
7. Write a note on the important five National Parks in Karnataka and indicate their location in respective districts.

8. Write a note on HIV/AIDS and its control measures.

9. (i) Distinguish between polar and equatorial orbits of artificial satellites. Which of the above two orbits is suitable for a

(ii) Geostationary satellite

(ii) satellite used for weather forecasting?

10. Describe the role of fungi in medicine, agriculture and industry.

11. Explain the term recombinant DNA. Write a note on the applications of recombinant DNA technology (RDT).

12. What are renewable and non-renewable resources. How are they depleted and protected.
13. What is package technology or Green revolution? Enumerate whether this revolution has helped to Indian agriculture after independence.

14. Discuss in brief about the Farmers welfare programmes in India.

15. Write about the development of Sericulture practice in Karnataka.

16. Discuss in detail about the post harvest technology and value addition in agricultural crops.

17. Describe about the Green House cultivation.

18. Write in detail about the national watershed development program.

19. Critically comment on the endangered species in Western Ghats.

20. What is Red list, why is it important to notify the list?