

2024
B.A./B.Sc.
Fourth Semester
 GENERIC ELECTIVE – 4
NCC
Course Code: NCG 4.11 (B)
 (NCC: Air Wing)

Total Mark: 70
Time: 3 hours

Pass Mark: 28

Answer five questions, taking one from each unit.

UNIT-I

1. (a) Describe turbo prop engines in detail with suitable diagram. 7
 (b) Explain in detail the basic terminology and operation of a piston engine with the help of a diagram. 7
2. (a) Define meteorology. Elaborate on the importance and application of meteorology in aviation. 1+5=6
 (b) What is precipitation? Explain any three (3) types of precipitation and flying hazards in thunderstorm. 2+6=8

UNIT-II

3. (a) Explain the importance of map reading. 7
 (b) Analyse Indo-Pak war 1971 and state its result with territorial changes after the war. 7
4. (a) Discuss the contributions and achievements of any two (2) air heroes in the Indian Army. 7
 (b) Write a short note on the history of the Indian Air Force. 7

UNIT-III

5. (a) What is meant by aeromodelling? Give an account on the history of aeromodelling. 7
 (b) Explain the constructions of remote-control models. 7

6. (a) What are the basic materials and tools used in aeromodelling? 7
(b) Write a short note on the construction of static models. 7

UNIT-IV

7. Elaborate on civil defence measures and the various civil defence services in India. 14
8. (a) Define essential services. Explain in detail the maintenance of various essential services during disaster. 7
(b) Discuss air raid system of warning and home guard duties in brief. 7

UNIT-V

9. (a) Give an account of the history, components, and objectives of the preamble to the Indian constitution. 7
(b) Explain the importance of human rights with special reference to social and economic rights. 7
10. Write a note on the following: 7×2=14
(a) National flag
(b) National anthem
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