

2022
B.A./B.Sc.
Third Semester
GENERIC ELECTIVE – 3
NCC
Course Code: NCG 3.11 (B)
(NCC: Air Wing)

Total Mark: 70

Pass Mark: 28

Time: 3 hours

Answer five questions, taking one from each unit.

UNIT-I

1. (a) With a neat sketch, briefly explain forces of lift and drag on an aircraft. 7
(b) Explain the glass cockpit of an aircraft. 7
2. Explain the different laws of motion in understanding the principles of flight. 14

UNIT-II

3. (a) Describe aircraft recognition by wing position with suitable diagram. 7
(b) Give out the salient features of any 3 fighter aircrafts. 7
4. Describe the importance of aeromedical aspects in aviation. Explain in detail any two sicknesses which may result from flying an aircraft. 4+10=14

UNIT-III

5. (a) Explain the primary controls of an aircraft. 7
(b) With neat sketch, explain the ailerons of an aircraft. 7
6. Explain in detail the basic parts and uses of radar system in modern times. 14

UNIT-IV

7. (a) Write a note each on the following: 4×2=8
(i) Unity in diversity
(ii) Heritage of India
(b) Briefly describe the roles that an NCC cadet can help in nation building. 6
8. (a) What is national integration? Give the importance of national integration in nation building. 2+5=7
(b) Discuss in brief one important nationalist movement in India. 7

UNIT-V

9. (a) Discuss in brief the procedure of stripping and assemblage of 0.22 rifle. 7
(b) Explain the procedures and precautionary measures taken in short firing range. 7
10. (a) What is MPI? Discuss the theory of group and snap shooting. 1+5=6
(b) Write a note each on the following: 4×2=8
(i) Positions in shooting
(ii) Characteristics of long rifle
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