Register No.:

943

October 2018

Time – Three hours
(Maximum Marks: 75)

[N.B: (1) Q.No. 8 in PART – A and Q.No. 16 in PART – B are compulsory. Answer any FOUR questions from the remaining in each PART – A and PART – B

(2) Answer division (a) or division (b) of each question in PART – C.

(3) Each question carries 2 marks in PART – A, 3 marks in Part – B and 10 marks in PART – C.]

PART – A

1. List out the types of under carriages.
2. What are undercarriage parts?
3. List out the secondary control surfaces.
4. Why balancing of control surface is required?
5. Define flaring process.
6. What is the color code for pneumatic and fire protection?
7. Define control surface rigging.
8. Define weighing of aircraft.

PART – B

9. What is the function of undercarriage?
10. What are the types of landing gear?
11. List out the primary control surfaces.
12. What is balancing of control surfaces?
13. Where do you use flexible pipe lines in an aircraft?
14. What is the color code for fuel and lubrication?
15. What is aircraft payload?
16. What is meant by aircraft levelling?

[Turn over.....

PART – C

17. (a) Explain the method of attachment of aircraft.

(Or)

(b) Explain the types of undercarriage with neat sketch.

18. (a) Draw and explain the layout of secondary control surface.

(Or)

(b) Explain the methods of balancing of control surfaces.

19. (a) Describe about the installation of pipe lines and pipe cutting.

(Or)

(b) What is the need of color coding? Give the color codes in aircraft parts.

20. (a) Explain the types of loads acting on an aircraft and its characteristics.

(Or)

(b) Describe the weighing procedure of an aircraft.

21. (a) Explain in detail about rigging control surface with sketches.

(Or)

(b) Write down the procedure of symmetry check of an aircraft.
