

Name:..... Date:.....

Marks:.....

1. The operating limits are given in section:
 - a) Section 1
 - b) Section 2
 - c) Section 3
 - d) Section 4
2. The Emergency procedures are given in section:
 - a) Section 1
 - b) Section 2
 - c) Section 3
 - d) Section 4
3. Leading edge sweep isdeg.
 - a) 1 Deg
 - b) 2 Deg
 - c) 3 Deg
 - d) 5 Deg
4. The MAC length ism
 - a) 1.122m
 - b) 1.123m
 - c) 1.124m
 - d) 1.121m
5. The best angle of climb speed is called
 - a) V_x
 - b) V_y
 - c) V_z
 - d) V_{no}
6. The max flap extension speed is called
 - a) V_{fo}
 - b) V_{fa}
 - c) V_{fe}
 - d) V_{no}
7. Density altitude is the altitude at which:
 - a) Altitude at ISA conditions when air density equals current air density
 - b) The altitude given by the altimeter with QNH

- c) The altitude given by the altimeter when it has QFE set
8. Empty mass has the following
- a) Useable fuel + VFR Oil requirements + All operating consumables
 - b) Unuseable fuel + VFR Oil requirements + All operating consumables
 - c) Useable fuel + Maximum oil + All operating consumables
 - d) Unusable fuel + Maximum Oil + All operating consumables
9. Green arc of ASI is from:
- a) 49 KIAS to 91 KIAS
 - b) 52 KIAS to 129 KIAS
 - c) 53 KIAS to 128 KIAS
 - d) 51 KIAS to 129 KIAS
10. Minimum fuel press is
- a) 13 PSI
 - b) 25 PSI
 - c) 14 PSI
 - d) 23 PSI
11. Maximum CHT isdeg F
- a) 245 Deg F
 - b) 500 Deg F
 - c) 545 Deg F
 - d) 230 Deg F
12. Minimum oil pressure at idle isPSI
- a) 25 PSI
 - b) 20 PSI
 - c) 21 PSI
 - d) 22 PSI
13. The low Voltage comes on atV
- a) 24. V
 - b) 24.1V
 - c) 25 V
 - d) 25.1V
14. Up toserial number the fuel quantity is shown as 15 US Gallons.
- a) 40.055
 - b) 40.056
 - c) 40.054
 - d) 40.057
15. The maximum take off mass is
- a) 1150 Kg

- b) 1200 Kg
 - c) Both a and b
16. DAI variant light isshape.
- a) Square
 - b) Circle
 - c) Rectangle
 - d) Triangle
17. The most rearward CG position ism with long range tanks.
- a) 2.59m
 - b) 2.58m
 - c) 2.56m
 - d) 2.55m
18. The datum plane is locatedm from root rib of stub wing.
- a) 2.194m
 - b) 2.193m
 - c) 2.194cm
 - d) 2.193cm
19. The maximum angle of bank of utility and normal category isdeg
- a) 60 deg and 90 deg
 - b) 90 deg and 60 deg
 - c) 60 deg and 80 deg
 - d) 80 deg and 60 deg
20. The accuracy of the AH and DG gets affected abovedeg bank.
- a) 90 Deg
 - b) 75 Deg
 - c) 60 Deg
 - d) 45 Deg
21. The max load factor with flaps to take off is
- a) 2 g
 - b) 3.8 g
 - c) 4.4 g
 - d) Zero g
22. The max load factor with flaps to landing is
- a) 1 g
 - b) 2 g
 - c) 3 g
 - d) Zero g

23. The minimum quantity of oil for IFR isquarts.
- a) 6 Quarts
 - b) 4 Quarts
 - c) 8 quarts
24. The max speed to fly with flaps to landing position is.....
- a) 91 KIAS
 - b) 91 KTAS
 - c) 108 KIAS
 - d) 108 KTAS
25. The maximum time available from emergency power pack is:
- a) 30 minutes
 - b) 45 minutes
 - c) 60 minutes
 - d) 90 minutes
26. Engine rough running speed for 850 Kg
- a) 57 KIAS
 - b) 58 KIAS
 - c) 59 KIAS
 - d) 60 KIAS
27. Oil temperature sensor fail is given by oil temp of
- a) 26 deg F and 317 deg F
 - b) 26 deg C and 317 deg C
 - c) 245 Deg F
 - d) 245 Deg C
28. The minimum speed to restart the engine with wind milling prop is
- a) 65 KIAS
 - b) 65 KTAS
 - c) 70 KIAS
 - d) 80 KIAS
29. Restarting the engine with wind milling prop will cause a height loss of.....
- a) 1000m
 - b) 1000 feet
 - c) 300 feet
 - d) 3000m
30. Speed to start engine in air with stationary propeller is
- a) 65 KIAS
 - b) 70 KIAS
 - c) 75 KIAS

- d) 80 KIAS
31. The presence of CO is indicated by aalarm.
- a) Alarm sound
 - b) Visual Alarm
 - c) Both a and b
32. Air speed for cruise climb for 1150 kg is.....KIAS
- a) 73 KIAS
 - b) 76 KIAS
 - c) 68 KIAS
 - d) 71 KIAS
33. Minimum speed during touch and go isKIAS for 1200 KG
- a) 71 KIAS
 - b) 73 KIAS
 - c) 67 KIAS
 - d) 76 KIAS
34. Best ROC with flaps to take off isKIAS for 1000 KG is
- a) 60 KIAS
 - b) 66 KIAS
 - c) 67 KIAS
 - d) 54 KIAS
35. In the long range tanks the correct indication takesminutes
- a) 4 Minutes
 - b) 3 Minutes
 - c) 2 Minutes
 - d) 1 Minutes
36. The stall warning horn comes on attimes the stall speed.
- a) 1.4 times
 - b) 1.3 times
 - c) 1.2 times
 - d) 1.1 times
37. The starter motor timings aresec of operationsec of cooling.
- a) 10 sec and 30 sec
 - b) 10 sec and 20 sec
 - c) 20 sec and 30 minutes
 - d) 10 sec and 30 minutes
38. The oil pressure should register withinsec
- a) 1 Sec
 - b) 5 Sec

- c) 10 Sec
 - d) 15 Sec
39. The warm up time for the engine isRPM fortominutes.
- a) 1200 RPM for 2 to 5 minutes
 - b) 1400 RPM for 2 to 5 minutes
 - c) 1500 RPM for 2 to 5 minutes
 - d) 1800 RPM for 2 to 5 minutes
40. In strong cross wind take off the steering can be augmented with the use of
- a) Ailerons
 - b) Throttle
 - c) Toe brakes
41. To optimize engine life ensure that the CHT does not crossdeg F in fast cruise.
- a) 435 Deg F
 - b) 400 Deg F
 - c) 450 Deg F
42. If oil temperature stays belowdeg F then condensation will accumulate.
- a) 150 Deg F
 - b) 165 Deg F
 - c) 180 Deg F
 - d) 220 Deg F
43. The best economy mixture is at a power setting of% power and the mixture should be made rich to getDeg F lower for best power mixture.
- a) 80 % and 100 Deg F
 - b) 90 % and 110 Deg F
 - c) 75 % and 90 Deg F
 - d) 75 % and 100 Deg F
44. When reducing power the CHT should not varydeg F per minute
- a) 100 Def F
 - b) 50 Deg F
 - c) 25 Deg F
 - d) 10 Deg F
45. At a safe height the RPM should beand speed for 1000 Kg should be.....
- a) 2400 and 68 KIAS
 - b) 2700 and 68 KIAS
 - c) 2500 and 67 KIAS
 - d) 2100 and 67 KIAS
46. A constant oil temperature of 26 deg F or 317 deg F indicates a

- a) An oil cooler failure.
 - b) A faulty indication in the cockpit.
 - c) A faulty oil temperature sensor.
47. The circuit breaker for the rudder pedal adjustment is on the
- a) The rear wall of the leg room.
 - b) The front wall of the leg room.
 - c) The centre wall of the leg room.
48. An uphill slope of 2% increases takeoff run by%
- a) 20 %
 - b) 15 %
 - c) 10 %
 - d) 5 %
49. ROC at an altitude of 5000 feet with mass of 1150 KG and temperature of 12 Deg C is
- a) 2 m/s
 - b) 2.5 m/s
 - c) 2.8 m/s
 - d) 3 m/s
50. Autopilot minimum engagement speed is
- a) 65 KIAS
 - b) 66 KIAS
 - c) 67 KIAS
 - d) 70 KIAS