Assignment 12

Due on 2021-04-16, 23:59 IST.

1. Which of the following is the behaviour of a Stratocumulus Anvil?

- Draped at an altitude above 30 km
- Draped at an altitude of around 20 km
- No turbulence at commercial altitude
- Can operate safely even when ambient air turbulence is high

2. No answers are submitted.

Acceptance Criteria:
- Minimally effort of about 30
- Nothing to comment on

3. According to the horizontal wind model, the lowest horizontal and speed occur in

- Trophic
- Transverse
- Lower Stratosphere
- Horizontal current

4. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

5. Which of the following is the advantages of HALO?

- Self-Launchable
- Fire-usable
- Fire-funrable
- Very small size

6. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

7. Which of the following is the applications of an OD Halifax platform?

- Earth and Space Observation and Surveillance
- Airspace Management
- Disasters Monitoring
- Broadband Telecommunications
- Climate Transport

8. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

9. Which of the following is the design drives of an ML Halifax platform?

- Lighting and Atmospheric Protection
- Railcasing and Thermal Compensation
- Onboard power generation system
- Launch, Recovery and Onboard handling

10. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

11. Which of the following statement(s) is/are true in the lower atmosphere (the lower 20 km), assuming 5A conditions?

- Antennas temperature decreases
- Antennas pressure decreases
- Air Density increases
- Solar wind decreases

12. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

13. Lighting and Electromagnetic Change Protection

14. Staffing for Transport and Search Handling

15. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

16. Which of the following is the input to the design methodology of a stratospheric anvil?

- Size of stratosphere anvil
- Solar incidence
- Density of 25 km gas
- Ambient wind speed

17. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

18. What is the success of the stratospheric anvil design methodologies?

- Efficiency of solar cells
- Ambient wind speed
- Noise of different components
- Weight of the anvil

19. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

20. Improving other things work hard, as the length of an anvil increases, the drag acting on it

- Increases
- Decreases
- First increases then decreases
- First decreases then increases

21. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

22. Which of the following is the type of hybrid LTA systems?

- Higher Density LTA
- Balloon to the required
- Mirror or Solar Handling
- Lower survival to near words

23. No, the person is not submitted.

Acceptance Criteria:
- Self-justification
- Self-discipline

24. Higher Density LTA

25. Balloon is not required

26. Mirror or Solar Handling

Learnt:
- Lower survival to near words