

THAKUR COLLEGE OF SCIENCE & COMMERCE

Exam: April 2018

Max. Marks: 75.

Paper Code:

Programme: F.Y.BSc

Semester: II

Subject: Meteorology

Q1. Attempt either A or B

A.

1. Define Thunderstorm and what conditions are favorable for formation of thunderstorm. 08
2. Write a note on intensity of thunderstorm. 07

OR

B.

1. Define Microburst. Explain its dimension, life cycle and its causes. 08
2. Define Macroburst. Which places can you expect a micro or macroburst and what wind speeds can be experienced. 07

Q2. Attempt either A or B

- A. Name and explain atmospheric obscurities which reduce surface visibility. 15

OR

- B. With help of neat labeled diagram explain stages of thunderstorm. 15

Q3. Attempt either A or B

A.

1. On what 2 basis are cloud classified. Explain both in detail. 08
2. Write a short note on very high level clouds. 07

OR

B.

1. How are convective cloud formed. 08
2. Write a short note on flying conditions in clouds. 07

Q4. Write a short note on (Any 3) 15

- a. High Clouds. b. Medium Clouds.
- c. Low Clouds. d. Icing associated with thunderstorm.

Q5. Attempt either A or B.

A.

1. Define Radiation fog and what conditions favourable for formation are. 08
2. What time of the day does radiation fog occur? What kind of pressure pattern is associated with it? Which places it is found in India? 07

OR

B.

1. Define Advection fog and what conditions favorable for formation are. 08
2. What is steaming fog and frontal fog? 07