

THAKUR COLLEGE OF SCIENCE & COMMERCE

Exam: April 2018
Programme: S.Y.BSc

Max. Marks: 75.
Semester: IV

Paper Code:
Subject: Meteorology

Q1. Attempt either A or B.

A. Write in brief about Airmasses which affect Indian Subcontinent. 15

OR

B. Write short notes on (Any 3) 15

a. Cold Air Outbreak

b. Easterly Waves.

c. Westerly Waves.

d. Polar Front.

Q2. Attempt either A or B.

A. With neat labelled diagram explain in detail Ana type and Kata type Cold Front. 15

OR

B.

a. Explain in detail types of airmasses and their properties. 8

b. Explain all the met parameters before at and after passage of Warm Front. 7

Q3. Write short notes on (Any 3) 15

a. Thermal Low.

b. Orographic Low.

c. Secondary Depression.

d. Mediterranean Front.

d. Arctic Front & Polar Front.

Q4. Attempt either A or B.

A. Write in detail life cycle, causes, dimensions, aviation hazards, area of encounter, effects of microburst. 15

OR

B.

a. Write short note on ITCZ. 08

b. Write short note on documents to be given to pilots. 07

Q5.

A. Define (Any 5) 10

a. Airmass. b. Front. c. Macro burst.

d. Water Spout. e. Frontal Surface. f. Frontolysis.

B. Draw Symbols used in weather forecasts (Any 5) 05

a. Rain. b. Thunderstorm. c. Dust Storm.

d. Severe turbulence. e. Moderate Ice Accretion. f. Hail.