Sanjay Ghodawat University, Kolhapur

Established as State Private University under Govt. of Maharashtra. Act No XL, 2017

2020-21

EXM/P/09/00

B.Sc. II	**School of Science**	**Department: Physics**
PHS 204	**Weather Forecasting**	**Semester : IV**
	End Semester Examination	**Time:2 Hrs.** **Max Marks:50**

Instructions: 1) All Questions are compulsory.

		Marks	BL	CO
Q.1	**Answer / Solve the following**			
a)	Explain the vertical structure and composition of Earth's atmosphere.	8	L2	CO1
b)	What is air temperature? List the requirements to measure air temperature.	8	L1	CO2
	OR			
b)	What is atmospheric pressure? Give its unit and hence state the advantages of the aneroid barometer.	8	L1	CO2
Q.2	**Answer / Solve the following**			
a)	Describe global wind system with neat labelled diagram.	8	L2	CO3
b)	Define jet stream. Explain the types of jet stream.	8	L2	CO3
	OR			
b)	Explain the terms i) Air mass ii) Air fronts.	8	L2	CO3
Q.3	**Answer / Solve the following**			
a)	i) What is short-range, medium-range and long-range forecasting. ii) Illustrate the weather forecasting methods.	9	L1	CO4
b)	Explain the criterion for choosing a weather station?	9	L2	CO4
	OR			
b)	Discuss the different satellite observations in weather forecasting?	9	L2	CO4

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