

Mahatma Education Society's
Pillai College of Architecture, Navi Mumbai
Bachelor of Architecture
ATKT-Examination ~~October~~ 2022 MARCH-2023

Subject: Architectural Building Services Subject Code:707 Duration: 2.00hr

Maximum Marks: 50

Date:-09-03-2023

Minimum Marks:-20

Note : All questions are compulsory. Support your answers with sketches.

Q1) Explain with the help of sketches-----20 MARKS

a) What are different types of Mechanical ventilation? Explain in Detail.

b) Explain refrigeration cycle in detail

Q2) Write any FOUR----- -20 MARKS

i) VRF ;

ii) What are different types of AC, Explain any two in detail

iii) What are the points to be considered for split air conditioning

vi) What is AHU & where it is used.

v) Explain Calorifier with the help of sketches

Q4) A) Explain in one sentence or word ----- 05 MARKS

a) What does HVAC stand for

b) Ton is equal to -----CFM

c) AHU is used in which AC System.

d) Where are dampers used.

e) Water is used in which type of AC

B) True or false----- -05 Marks

1) CFM stands for cubic feet per meter

2) 1 BTU = 1000 Ton

3) Hybrid AC are very commonly used

4) mechanical ventilation always uses electricity

5) Dehumidifier is a part of mechanical ventilation.