

# FIRST HALF - MCQ

University of Mumbai  
Mahatma Education Society's  
Pillai College of Architecture, Navi Mumbai  
Bachelor of Architecture Examinations Oct 2021

Subject: Architectural Building Services - 5  
Maximum Marks: 20  
Year: 4th  
Date: 22- 10 -2021

Subject Code: BARC 708  
Minimum Passing Marks: 08  
Sem: 7th  
Duration: 30 minute

---

The respondent's email (**null**) was recorded on submission of this form.

\* Required

1. Email \*

---

Students' Detail

all information is mandatory

2. Students' name\* \*

---

3. Students' Email \*

---

4. Students contact number\* \*

---

5. Students' exam seat number\* \*

---

MCQ

Select the correct option from the given below.  
All questions carry equal marks.

6. Q1) The function of damper is to:

*Mark only one oval.*

- Regulate the air flow
- Increase the air flow
- Decrease the air flow
- None of the above

7. Q2) In mechanical ventilation system:

*Mark only one oval.*

- Stale air is removed and from outside
- Fresh air is introduced inside
- Both stale air and fresh air is removed from inside
- All are true

8. Q3)  $400 \text{ CFM} = 1 \text{ Ton} = \text{BTU?}$

*Mark only one oval.*

- 1200
- 1/12000
- 12000
- 0.00012

9. Q4) HVAC is largely used in:

*Mark only one oval.*

- Residential buildings
- Commercial buildings
- Public gardens
- All the above

10. Q5) Is the fastest mode of heat transfer with minimum heat loss:

*Mark only one oval.*

- Conduction
- Convection
- Evaporation
- None of the above

11. Q6) Is the types of AC used in residential:

*Mark only one oval.*

- VRV
- Central
- Split
- None of the above

12. Q7) Is the most used heating system in small dwellings:

*Mark only one oval.*

- Radial
- Local
- Central
- All the above

13. Q8) The function of cooling tower is to:

*Mark only one oval.*

- Cool the water
- Cool the refrigerant
- Cool the air
- None of the above

14. Q9) AHU is:

*Mark only one oval.*

- Air handling unit
- Air heating unit
- Automated handling unit
- None of the above

15. Q10) The two types of central AC are:

*Mark only one oval.*

- Ducting AC and ductless AC
- Water chilled and Air chilled
- Air chilled and roof top units
- None of the above

---

This content is neither created nor endorsed by Google.

Google Forms

# SECOND HALF

University of Mumbai  
Mahatma Education Society's  
Pillai College of Architecture, Navi Mumbai  
Bachelor of Architecture Examinations Oct 2021

Subject: Architectural Building Services - 5  
Maximum Marks: 30  
Year: 4th  
Date: 22- 10 -2021

Subject Code: BARC 708  
Minimum Passing Marks: 12  
Sem: 7th  
Duration: 60 minute

---

The respondent's email (**null**) was recorded on submission of this form.

\* Required

1. Email \*

---

Student's Detail

all information is mandatory

2. Students' name\* \*

---

3. Students' email\* \*

---

4. Students' contact number\* \*

---

5. Students exam seat number\* \*

---

## SHORT ANSWERS

NOTE:  
All questions carry equal marks.  
Type descriptive answers below the questions.  
Only typing should be allowed.

6. Q1) your client has large villa in cold region, he wants to have the interior free from any services. which central heating method you suggest him? write detail about that method.

---

---

---

---

---

7. Q2) You asked to guide your client regarding installation of central AC in the building. What points you consider?

---

---

---

---

---

8. Q3) A client has 3 floors underground for parking. What method of ventilation you suggest? Explain in detail about that method.

---

---

---

---

---

9. Q4) Explain calorifier and its commercial application.

---

---

---

---

---

10. Q5) a client is confused to select between split AC and VRV for his mansion. Can you guide him to select the right one? What points you consider for the same?

---

---

---

---

---

---

This content is neither created nor endorsed by Google.

Google Forms