

# Unit 6 - Week 5 - Rural Housing and Town Planning in Ancient India

## Course outline

Unit 1 - How to access the portal

Week 1 - Introduction

Week 2 - Introduction to Science and Agriculture

Week 3 - Introduction to Ancient Indian Agriculture

Week 4 - Textile Technology

Week 5 - Rural Housing and Town Planning in Ancient India

Lecture 21 - Thatched Roof House

Lecture 22 - Rural Walls and Roof materials

Lecture 23 - Indus Valley and Harappan Civilization

Lecture 24 - First and Second of Indian Civilization

Lecture 25 - Town topologies and Brick and Tile making process

Quiz : Assignment 5

Assignment 5: Solution

Feedback For Week 5

Week 6 - Water Harvesting Technology in Ancient India

Week 7 - Materials and Metals in Ancient India

Week 8 - Metal and Glass Technology in Ancient India

Live Session

Text Transcripts

## Assignment 5

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

**Due on 2019-09-04, 23:59 IST.**

1) In case of Inclined roofs, what should be the sloping angle to produce suction of wind on the roof leading to blown away? 1 point

- 60°
- > 60°
- < 60°
- > 30°
- < 30°

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
> 30°

2) Among this, which is the natural ventilation systems? 1 point

- Active Air condition system
- Wind driven cross ventilation
- Exhaust fan-based ventilation
- Construction of Open to sky in roof
- Buoyancy driven ventilation

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Wind driven cross ventilation  
Construction of Open to sky in roof  
Buoyancy driven ventilation

3) What is the preferable economical wall material for rural area? 1 point

- Wood
- Bamboo
- Mud or Rammed earth
- Stone & mud
- Bamboo reinforced mud wall
- All of the above
- None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
All of the above

4) What are the advantages of wooden wall? 1 point

- Low heat conductivity
- High fire susceptibility
- Readily available Material
- Easy to cut in shapes
- Reasonably good against impact load
- High hygroscopic
- All of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Low heat conductivity  
Readily available Material  
Easy to cut in shapes  
Reasonably good against impact load

5) What is the average tensile strength of bamboo? 1 point

- 53-100 Mpa
- 86-229 Mpa
- 6882-20890 Mpa
- 111-219 Kpa
- 111-219 Mpa

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
111-219 Mpa

6) Which of this material can be used for making Natural Geotextile? 1 point

- Coir
- Jute
- Sisal
- Hemp
- bamboo
- All of the above
- None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
All of the above

7) What are the disadvantages of Mud stone composite wall? 1 point

- Less skill required to construct.
- Less stable against vibration
- Less bonding between mud and stone
- Unsafe technology for earthquake prone zone
- low cost if stone locally available
- All of the above
- None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Less stable against vibration  
Less bonding between mud and stone  
Unsafe technology for earthquake prone zone

8) What are the advantages of Thatched roof? 1 point

- Fire susceptible.
- less durable
- Can be blown away under heavy wind.
- Bad conductor of heat
- Light weight material

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Bad conductor of heat  
Light weight material

9) Rammed Earth wall means\_\_\_\_\_ 1 point

- wall constructed by combination of fibres and mud.
- Wall constructed by compacting mud at place of construction.
- Wall constructed by mud bricks made by heavy compression.
- Wall constructed by clay rammed in a kiln.
- Wall constructed by mud and bamboo reinforcement.

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Wall constructed by compacting mud at place of construction.

10) Circular "Bhunga" houses are constructed in \_\_\_\_\_ 1 point

- Kohima, Nagaland
- Badmer, Rajasthan
- Kutch, Gujarat
- Katni, Madhya Pradesh
- Kovalam, Kerala

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Kutch, Gujarat

11) What are the problems of modern town planning in India? 1 point

- Flood water management
- Waste water management
- High level carbon foot prints.
- Street lighting
- Reducing green cover.
- Solid waste management
- Air pollution
- Road & Street network
- All of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Flood water management  
Waste water management  
High level carbon foot prints.  
Reducing green cover.  
Solid waste management  
Air pollution

12) Harappa was having approximate size \_\_\_\_\_ hectors and population of \_\_\_\_\_peoples are living at that time. 1 point

- 150, 25300
- 1500, 235000
- 150, 53200
- 105, 25300
- 150, 23500

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
150, 23500

13) The excavation carried out in Harappa indicates presence of workshops existed for following materials. 1 point

- Stone beads
- Shell ornaments
- Copper and bronze coins
- Stone tools
- Diamond cutting and polishing
- Wooden toys
- Glazed faience ornaments

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Stone beads  
Shell ornaments  
Stone tools  
Glazed faience ornaments

14) As per the ancient Buddhist text, meaning of Pattana means \_\_\_\_\_ town, and Nigama means \_\_\_\_\_town. 1 point

- Market town, Port town
- Fort town, Port town
- Port town, Market town
- Port town, Forest town
- River bank town, Fort town

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Port town, Market town

15) 

As per earth shastra connect the appropriate officer with number of villages			
(P)	<i>Sangrahana</i>	1	400
(Q)	<i>Kharvatika</i>	2	10
(R)	<i>Dronemukha</i>	3	800
(S)	<i>Sthaniya</i>	4	200

1 point

- (P)-3, (Q)-2, (R)-1, (S)-3
- (P)-2, (Q)-4, (R)-1, (S)-3
- (P)-2, (Q)-3, (R)-1, (S)-4
- (P)-4, (Q)-3, (R)-1, (S)-2

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
(P)-2, (Q)-4, (R)-1, (S)-3

16) What is among the 2nd Phase of Indian civilization? 1 point

- Vijaypuri
- Arikamedu
- Lothal
- Warangal
- Harappa
- Vijaynagar
- Mohen-jo-daro

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Lothal  
Harappa  
Mohen-jo-daro

17) "Padmaka" type town planning consists of \_\_\_\_\_shape of city blocks. 1 point

- Circular
- Square
- Rectangular
- Triangle
- Pentagon

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Square

18) What is the common observation from ancient town planning systems? 1 point

- Concentric street system
- Perpendicular street system
- Diagonal street system
- Peripheral ring street system
- Parallel street system

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Parallel street system

19) \_\_\_\_\_ Ancient text describes the materials and techniques for plaster preparation and application. 1 point

- Vishnushashtra Purana
- Atharv veda
- Sankhya karika
- Vishnudharmottar Purana
- Kenopanishad

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Vishnudharmottar Purana

20) Process of preparation of lime mortar was described in \_\_\_\_\_. 1 point

- Bhrugu Samhita
- Shushrut Samhita
- Charak Samhita
- Sharnagadhara Samhita
- Ashtanga Hridaya

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Bhrugu Samhita