



## **Sample questions**

### **Examination for GRIHA Trainers**

(All information should be filled in block letters)

**Date:** .....

**Name:** .....

**Organisation:** .....

**Address:** .....

**Contact number:** .....

**Email id:** .....

### **Disclaimer**

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ADaRSH will inform the participants whether they have 'Qualified' or 'Not Qualified' as GRIHA Trainer. However, the marks attained shall not be disclosed to the participants.

Decision of ADaRSH on evaluation of the examination shall be deemed final.

### **Please read carefully**

There are three sections in this paper.

Section 1 contains **multiple choice questions** with **one or more answers**.

Section 2 contains **True/False** type of questions.

Section 3 has **fill in the blanks** type questions.

**Maximum marks= 100**

**Minimum qualifying marks= 70**

**Time= 60 minutes**

**Total number of questions= 60**

**There is no negative marking.**



**(Please note that this is a sample question paper and the actual question paper will have more questions)**

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**Section 1: Multiple choice questions**

**Please tick the correct answer/answers**

1. Using the project information given below, conduct calculations to find out the net paved area percentage for the site

Site Area	= 2500 m <sup>2</sup>
Building footprint	= 900 m <sup>2</sup>
Area under landscape	= 500 m <sup>2</sup>
Asphalt Road area with SRI = 0.65	= 200 m <sup>2</sup>
Grasscrete paved area (60% pervious)	= 500 m <sup>2</sup>
Hard Paved surface (around the building)	= 400 m <sup>2</sup>

The Net Paved Area percentage for the site is .....

- a. 44%
  - b. 50 %**
  - c. 68.7%
  - d. 45.6%
2. Provision of a roof garden will have direct or indirect impact on the following:
- a. Heat island effect of the site**
  - b. Building energy performance**
  - c. Water use during construction
  - d. Rainwater collection on site**
3. As per the mandatory requirement of GRIHA Criterion-13: 'Optimize building design to reduce conventional energy demand', the window to wall ratio (WWR) and skylight to roof ratio (SRR) is limited as per the following:
- a.  $WWR \geq 60\%$  and  $SRR \geq 5\%$
  - b.  $WWR \leq 60\%$  and  $SRR \geq 5\%$
  - c.  $WWR \leq 60\%$  and  $SRR \leq 5\%$**
  - d.  $WWR \geq 60\%$  and  $SRR \leq 5\%$
4. Xeriscaping is a
- a. Waste water treatment technique
  - b. Landscaping technique**
  - c. Potable water treatment technique
  - d. Type of irrigation system



5. Which of the following are units of illuminance

- a. **Foot candle**
- b. Lumen
- c. **Lux**
- d. Candela

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**Section 2: True/False**

**Please tick the correct answer**

1. Hospitals are eligible for certification under the GRIHA system.

**True/False**

2. For sites that are devoid of trees, none of the requirements of GRIHA Criterion 2: 'Preserve and protect landscape during construction', are applicable.

**True/False**

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**Section 3: Fill in the blanks**

1. Total quantity of rainfall collected (kilolitre) = Rainfall (m) x  
.....x area of each catchment surface (sq.m).

**Run-off coefficient of surface type**

2. The mandatory requirement of GRIHA Criterion 18: 'Renewable energy utilization' is that the rated capacity of proposed renewable energy system is equal to or more than  
.....of internal lighting and space conditioning connected loads or its equivalent in the building.

**1%**

3. While conducting whole building simulation to assess the thermal performance of a building, perform hourly analysis for .....hours.

**8760**