

Date:29.09.2016

QUESTION PAPER FOR SELECTION TO THE POST OF JUNIOR ENGINEER /WORKS

Max.Marks:100

Time: 3 hrs

PART:A

Answer any Five of following:

I. Answer the following:

(5 x 2 = 10 marks)

1. Who is the Secretary General of United Nations?
2. Who has won the only Silver medal in 2016 Rio Olympics?
3. Who is the only Indian Governor General of Independent India?
4. Where the 2016 Olympics held?
5. Which is the apex body of Indian Judiciary?

II.Fill in the blanks:

(5 x 2 = 10 marks)

1. -----is one the onsite system of sanitized Toilet where an Under ground drainage system is not available.
2. The eviction of Railway encroachment are carried out as per ----- Act
3. ----- is the standard Form issued for major charges.
4. ----- is the register maintained for reference and checking of quantities such as white washing / painting of buildings.
5. ----- Estimates are prepared before Tendering of proposals.

III. Say True or False:

(5 x 2 = 10 marks)

1. Sanitary pipe shafts open to sky area to be included within the standard plinth area of buildings.
2. Compulsory retirement is one of the penalty for major charges under DAR.
3. The additions and alterations in the station buildings/ important structures should be carried out with the prior approval of Chief Engineer.
4. Steel Structures such as workshops running sheds, foot over bridges shall be inspected by SSE once in a year during prescribed period.
5. The life of trees are calculated based on the Annual rings.

IV.Match the following :

(5 x 2 = 10 marks)

1. Form A - Per meter of perimeter
2. Type-III quarters - Estate Officer
3. Sinking of well - IS 456
4. Disinfection of water- 55.75m²
5. RCC - Chlorination

V. Answer the following:

(5 x 2 = 10 marks)

1. Who is the Mukya Rajbasha Adikari in ICF ?
2. How many regions comes under official languages rules ?
3. What are the Hindi Examinations required to be passed by supervisory staff ?
4. Tamil Nadu comes under which official language region?
5. When Hindi day is celebrated every year?

VI. Abbreviate the following:

(5 x 2 = 10 marks)

1. LWR
2. WHO
3. WCA
4. NEFT
5. HOER

VII. Fill the missing letters which forms a meaningful word:

(5 x 2 = 10 marks)

1. C _ N _ T _ U _ T _ O _ N
2. D _ S _ G _
3. E _ _ L N A _ I _ N
4. _ H _ O _ I N A _ I _ N
5. _ T T _ T _ D _

PART-B

Answer **any FIVE** of the following:

(5 x 4 = 20 marks)

1. Write short notes on Standard Measurement Register
2. Write the Minor and Major penalties under DAR
3. Write short notes on Expansion joints in buildings with a neat sketch.
4. What are the various types of water proofing system for roofs prevalent in India?
5. What are the responsibilities of Engineering department in maintenance and operations of water supply installations?
6. Name any five places where Hindi and English bilingual form should be used?
7. Write short notes on slump test on concrete?

PART-C

Answer **any ONE** of the following :

(1 x 30 = 30 marks)

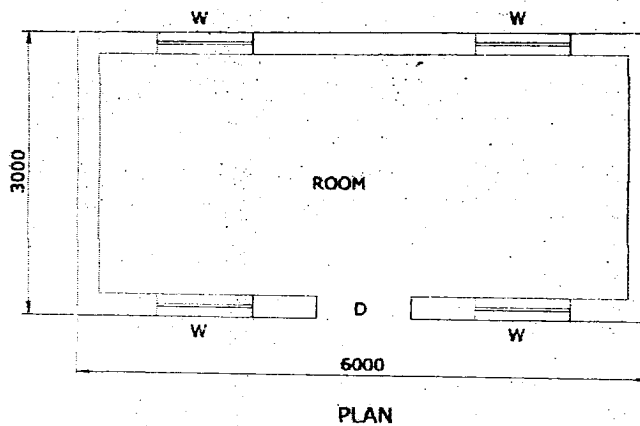
1. Estimate the quantity for a room of size 6.00m x 3.00m for the drawing as per the details given below:

- a. Brick work in super structure
- b. RCC roof slab and lintel
- c. Plastering in wall
- d. White washing and colour washing
- e. Weathering course

specification:

1. Door - 1.00x2.00m size CW door
2. Window - 1.00m x 1.00m
3. All brick walls are 230mm thick and 3m height from floor level
4. Through lintel over wall at 2m height to be provided. Size of the lintel is taken as 230mm x 150mm
5. Thickness of roof slab : 100mm thick
6. Height of the ceiling 3.00 m

Assume any other details if required suitably



OR

2. Write short note with necessary sketch wherever required. (5 x 6 = 30 marks)

- a. W.B.M. Road
- b. Weathering course
- c. S.1302 indent
- d. LWR
- e. PSC sleeper

**END OF QUESTION PAPER
ALL THE BEST**