



དཔལ་ལྷན་འབྲུག་གཞུང་།
རྒྱལ་གཞུང་གི་གཞིག་ལྷན་ཚོགས།



**ROYAL GOVERNMENT OF BHUTAN
ROYAL CIVIL SERVICE COMMISSION**

**BHUTAN CIVIL SERVICE EXAMINATION 2012
MAIN EXAMINATION
(OCTOBER 13, 2012)**

**EXAMINATION CATEGORY : TECHNICAL
PAPER II : GENERAL SUBJECT KNOWLEDGE
for ENGINEERING GROUP**

**ROYAL CIVIL SERVICE COMMISSION
BHUTAN CIVIL SERVICE EXAMINATION (BCSE) 2012
EXAMINATION CATEGORY: TECHNICAL**

PAPER II: GENERAL SUBJECT KNOWLEDGE for ENGINEERING GROUP

Date : 13 October 2012
Total Marks : 100
Examination Time : 90 minutes (1.5 hours)
Reading Time : 15 minutes (prior to examination time)

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

- You have 15 minutes (prior to writing time) to read the instructions, clarify doubts, make sure that you have all the pages, and check for any printing errors. DO NOT write during this time.
- This paper consists of **TWO Parts – Part I and Part II. All questions are compulsory.**
 - ✓ **Part I** consists of **70 Multiple Choice Questions** of 1 (one) mark each; and
 - ✓ **Part II** consists of **10 Short Answer Questions** of 3 (three) marks each.
- While answering the multiple choice questions, write only the letter of the correct answer chosen against the question number, clearly and legibly. E.g. 71(c). Any double writing or smudgy answers shall not be evaluated.
- All answers must be written in the answer booklet provided to you. You will not be given any marks for answers written other than in the answer booklet. Ask for additional answer booklets if required.
- Ensure that you write your roll number in the space provided in the answer booklet. In case you take additional answer booklet, make sure that you write your roll number in the additional answer booklet as well.
- This paper has 14 (fourteen) printed pages including this cover page.

PART-I : MULTIPLE CHOICE QUESTIONS

Choose the correct answer and write down the letter of the correct answer chosen in the Answer Sheet against the question number. E.g. 71(c). Each question carries ONE mark.

SECTION A: Mathematics

1. Diagram used to represent sets:
 - a) Bar chart
 - b) PERT chart
 - c) Venn diagram
 - d) Pie chart

2. The ratio of circumference of a circle to its diameter is:
 - a) Pi
 - b) 2
 - c) 0.5
 - d) 2 pi

3. A half of sphere is called:
 - a) circle
 - b) hemisphere
 - c) circum-sphere
 - d) semicircle

4. Number that has only two factors, one and itself is:
 - a) Unique number
 - b) Odd number
 - c) Prime number
 - d) Fraction

5. Find a number which when increased by 17 is equal to 60 times the reciprocal of the number.
 - a) 2
 - b) 3
 - c) 6
 - d) 8

