



TECHNICAL UNIVERSITY OF MOMBASA

FACULTY OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF BUILDING AND CIVIL ENGINEERING

DIPLOMA IN BUILDING AND CIVIL ENGINEERING

EBC 2303: SPECIFICATIONS BUILDING AND CIVIL ENGINEERING WORKS

END OF SEMESTER EXAMINATION

SERIES: APRIL 2016

TIME: 2 HOURS

INSTRUCTIONS TO CANDIDATES

You should have the following for this examination

- Answer booklet
- Calculator
- Drawing instruments

This paper consists of **FIVE** questions

Answer any other **THREE** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed papers.



SGS ISO 9001:2008 Certified

QUESTION ONE

- a) Briefly describe the **FOUR** main contract documents in civil engineering construction. **(8 marks)**
- b) Write specification notes for construction of a standard Bitumen flexible pavement. **(12 marks)**

QUESTION TWO

- a) Write Specification notes for erection of hoarding to a new construction site under preliminary site works. **(10 marks)**
- b) Write Specification notes for construction of a typical railway track work on a stabilized embankment. **(10 marks)**

QUESTION THREE

- a) State the Main sources of information in Civil Engineering specification writing. **(8 marks)**
- b) Write specification notes for construction of a typical concrete road on a stabilized sub grade. **(12 marks)**

QUESTION FOUR

- a) Write specification notes for supply of water to a construction site under preliminary preliminary site works. **(10 marks)**
- b) A deep trench excavated for storm water drainage is to be supported for concreting works. Write Specification notes for timbering to sides of excavation in sawn softwood. **(10 marks)**

QUESTION FIVE

- a) Write specification notes for construction of formwork for construction of a suspended concrete slab in sawn softwood formwork. **(10 marks)**
- b) Write general specification notes for concreting works in reinforced concrete structural suspended beam. **(10 marks)**

