BOB SO - Technical Manager - Civil Engineer 2026

Sample Questions: **10** | Sections: **8**

Section overview

Section	Questions	Count
Reasoning	1–2	2
English Language	3	1
Quantitative Aptitude	4–5	2
Construction Technology	6	1
Strength of Materials	7	1
RCC Design	8	1
Soil Mechanics and Foundations	9	1
Project Management and Contracts	10	1

Reasoning

Q.1–2 | 2 questions

Q.1 In a certain code, 'sky blue bird' is written as 'ka mo ti', 'blue sea wave' is written as 'zu mo pa' and 'bird fly high' is written as 'ti la ne'. What is the code for 'sky'?

(A) zu **(B)** ti **(C)** mo **(D)** ka

Q.2 In a certain code, PLANET is written as MIXKBQ. How will ORBITS be written in that code?

(A) MOYFQP **(B)** LOYGQP **(C)** LOYFQP **(D)** LPYFQP

English Language

Q.3 | 1 question

Q.3 Had the foundation _____ designed for the actual loads, the cracks would not have appeared.

(A) been **(B)** being **(C)** have been **(D)** be

Quantitative Aptitude

Q.4–5 | 2 questions

Q.4 The average of 5 numbers is 40. If one number is removed, the average of the remaining numbers becomes 35. What is the removed number?

(A) 55 **(B)** 65 **(C)** 60 **(D)** 70

Q.5 A boat goes 30 km upstream in 6 hours and 30 km downstream in 3 hours. What is the speed of the boat in still water?

(A) 7.5 km/h **(B)** 8 km/h **(C)** 7 km/h **(D)** 6.5 km/h

Construction Technology

Q.6 | 1 question

Q.6 A trench 20 m long, 1.2 m wide and 1.5 m deep is excavated in soil that swells by 25% when excavated. What is the volume of loose soil to be hauled away?

(A) 28.8 m^3 **(B)** 36 m^3 **(C)** 45 m^3 **(D)** 54 m^3

Strength of Materials

Q.7 | 1 question

Q.7 In a solid circular shaft under pure torsion, the shear stress varies

(A) linearly from zero at the centre to maximum at the surface

(B) uniformly across the whole cross-section of the shaft

(C) parabolically from maximum at the centre to zero at the surface

(D) linearly from maximum at the centre to zero at the surface

RCC Design

Q.8 | 1 question

Q.8 A student believes the minimum steel in slabs is 0.15% of gross area for all bar types. As per IS 456, for Fe 415 HYSD bars it is

(A) 0.20% of the gross area **(B)** 0.15% of the gross area

(C) 0.30% of the gross area **(D)** 0.12% of the gross area

Soil Mechanics and Foundations

Q.9 | 1 question

Q.9 A smooth vertical wall 6 m high retains dry cohesionless backfill with $\phi = 30°$ and $\gamma = 18$ kN/m^3. What is the total active thrust per metre length?

(A) 108 kN/m **(B)** 324 kN/m **(C)** 216 kN/m **(D)** 54 kN/m

Project Management and Contracts

Q.10 | 1 question

Q.10 A delay caused solely by the employer's late handing over of the site is classified as

(A) an excusable but non-compensable delay

(B) a concurrent delay of both the parties

(C) an excusable and compensable delay

(D) a non-excusable delay of the contractor

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