THE INSTITUTE OF BANKERS PAKISTAN
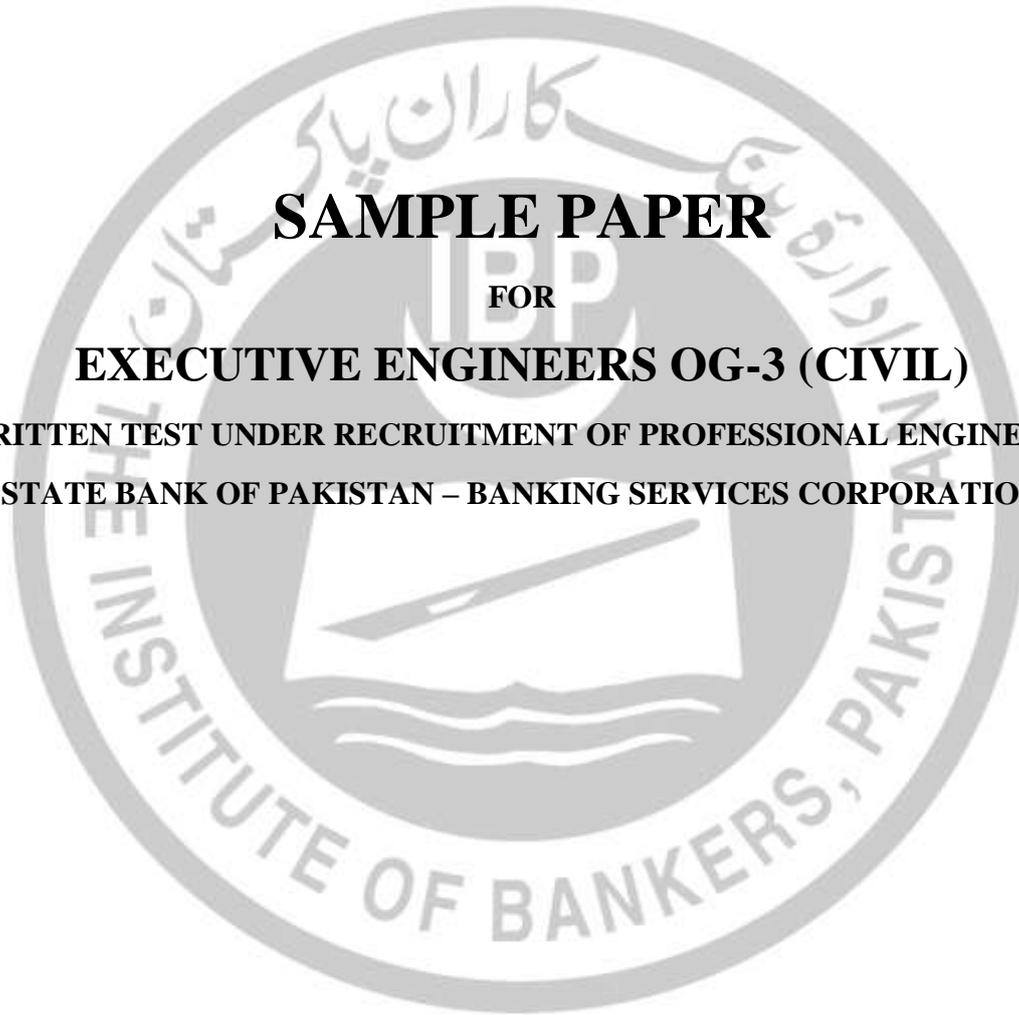
SAMPLE PAPER

FOR

EXECUTIVE ENGINEERS OG-3 (CIVIL)

WRITTEN TEST UNDER RECRUITMENT OF PROFESSIONAL ENGINEERS

STATE BANK OF PAKISTAN – BANKING SERVICES CORPORATION

ENGLISH

Read the passage carefully and answer questions 1-2

Some interesting information has been produced from a year-long analysis carried out on mobile phone network. It might be useful for epidemiologists and social scientists. It might shed light on how rumors are spread via social networks.

Researchers developed a link between a pair of phone users, on the basis of total time spent talking to each other. Strong links exist between members of same social group, whereas weak links join members from different social groups.

A dramatically differential effect was observed when researchers started removing links in the network whether starting with the strongest or with the weakest. It was surprising to them that removing strong links had little effect on overall structure of the network. On the other hand, removing weak links broke the network into a series of remote islands, with individual users connected to a small number of other phone users.

Researchers thus hypothesized that weak links are more significant in maintaining wider social network. If you lose a contact with casual acquaintances, there are more chances that your social circle may split but if you stop talking to your sister, there will be less visible impact on the structure of your social network.

Q1.   The passage offers support for which of the following statements?

    A. Strong links are less significant than weak links.
    B. Face-to-face communication is similar to communication via phone.
    C. Phone network patterns are considered useful for social scientists by some people.
    D. Geographically close individuals have strong links.

Q2.   In the last paragraph the author is trying to:

    A. Emphasize the effectiveness of current research.
    B. Get more specific to enrich the reader's understanding.
    C. Strengthen the researchers' inferences.
    D. Support his argument to make it more plausible.

For question 3, correct the sentence by selecting the right substitute of the underlined text from the given options

Q3.   The lady <u>to who I sold</u> my car was a cheat.

    A. which was sold
    B. to that I sold
    C. to who was sold
    D. to whom I sold

Q4.   Select the correct ANTONYM (opposite) for the given word:

CLUE

A. Key
B. Indication
C. Question
D. Trace

Q5.   Select the correct SYNONYM (same or nearly the same meaning) for the given word:

SPLENDID

A. Common
B. Normal
C. Ordinary
D. Excellent

QUANTITATIVE & INTELLIGENCE

Select the pair of words that best expresses the relationship similar to that of the pair given in question 6.

Q6.   MATCH: FIRE

A. AIR: CLOUD
B. KEY: CAR
C. HORSE: LOYAL
D. WORK: LOAD

Select the correct answer from the given options.

Q7.   The average height of five boys in a class is 22.994 inches. If the heights of four boys are 6.45, 11.70, 12.35, 75.28 inches, find the height of fifth boy:

A. 15.79 inches
B. 20.25 inches
C. 9.19 inches
D. 12.50 inches

Q8.   144 is what percent of 360?

A. 25%
B. 30%
C. 40%
D. 45%

Q9.   Complete the sequence: 3, 2, 6, 4, 12, 8, ___, ___

    A. 18, 12
    B. 16, 10
    C. 18, 16
    D. 24, 16

CIVIL ENGINEERING

Select the correct answer from the given options.

Q10.   The document that formally initiates the project and details the needs and requirements of the stakeholders is called:

    A. Project Proposal
    B. Project Plan
    C. Project Charter
    D. Project Management

Q11.   A technique used to estimate cost based on comparing different variables and estimating on number of units of work is called

    A. Analogous estimating
    B. Bottom-up estimating
    C. Parametric estimating
    D. Top-down estimating

Q12.   If on a site, the concrete slump test fails, which of the following action can save time and money?

    A. Continuing the work until completion.
    B. Immediately proceed to the compression test.
    C. Order suspension of the work.
    D. Provide resources to the contractor.

Q13.   In a cantilever subjected to a combination of concentrated load, uniformly distributed load and uniformly varying load, maximum bending moment is _____.

    A. at the point where shear force is zero
    B. at the fixed end
    C. at the mid-point
    D. at the free end

Q14.   If the depth of actual neutral axis in a beam is more than the depth of critical neutral axis, then the beam is called _____.

    A. Balanced beam
    B. Under reinforced beam
    C. Over reinforced beam
    D. Unbalanced beam

Q15. If the voids of a soil mass are full of air only, the soil is termed as _____.

  A. dehydrated soil
  B. partially saturated soil
  C. air entrained soil
  D. dry soil

Q16. The ratio of Volume of Voids to the Total Volume in soil, is called:

  A. Volume Ratio
  B. Bulk Density
  C. Porosity
  D. Dry Density

Q17. An under-reinforced section is preferred in R.C.C. Design mainly because:

  A. It gives warning before failure
  B. It is economical and saves the cost of construction
  C. The structural drawing of an under-reinforced section is simple and easy to understand by the contractor
  D. The design is very complex

Q18. In Moment Distribution Method, if we add the Distribution Factors of all the members meeting at a joint, then the sum is always:

  A. zero
  B. less than one
  C. greater than one
  D. one

Q19. A mutually appointed official party who settles the disputes between a contractor and the owner, is called:

  A. Arbitrator
  B. Negotiator
  C. Mediator
  D. Intermediary

Q20. The lowest or the last level in a Work Breakdown Structure (WBS) is called:

  A. operation
  B. event
  C. milestone
  D. activity

XXX --- END OF PAPER --- XXX