VRK/KS/14/3165/3483

Faculty of Engineering & Technology Eighth Semester B.E. (Mech. Engg.) /Eighth Semester B.E. (P.T.) (Mech.) Examination POWER PLANT ENGINEERING

Elective—III Sections—A & B

Time—Three Hours

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Maximum Marks—80

INSTRUCTIONS TO CANDIDATES

- (1) All questions carry marks as indicated.
- (2) Answer THREE questions from Section A and THREE questions from Section B.
- (3) Due credit will be given to neatness.
- (4) Assume suitable data wherever necessary.
- Diagrams and Chemical equations should be given wherever necessary.
- (6) Illustrate your answers wherever necessary with the help of neat sketches.
- (7) Use of non programmable calculator is permitted.

SECTION-A

- (a) Explain the concept of fission with the help of binding energy.
 - (b) Draw a neat diagram of CANDU type nuclear reactor. Explain its working along with the materials used for its various components.
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- (a) Draw a neat sketch of hydroelectric power plant. Explain the importance and working of each component.

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