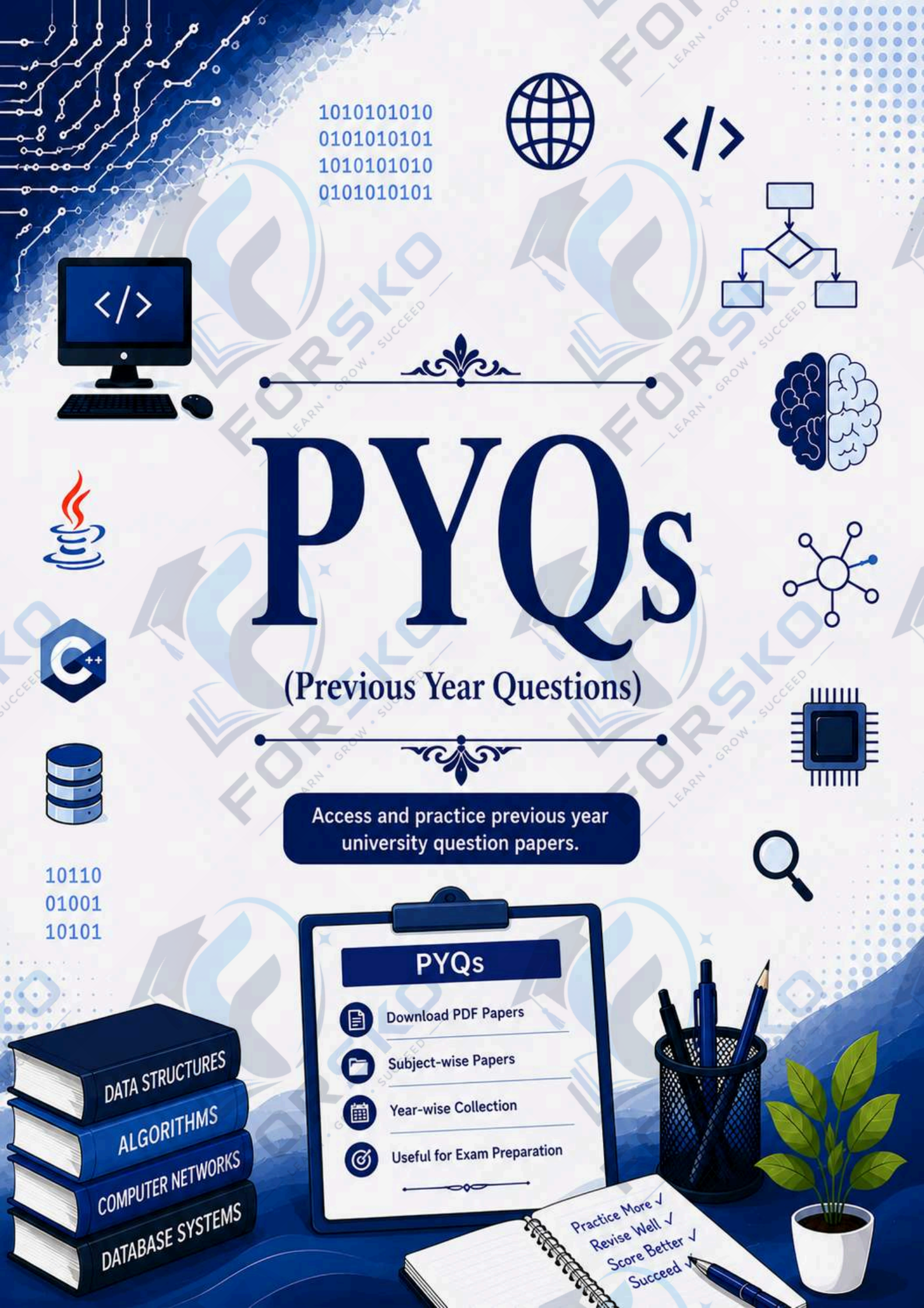

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B.Sc. (Part-II) Fourth Semester (NEP) Winter 2026

109208/110208/112208/123208/134208/135208 - Computer Science/ Computer Application(R)/Computer Application (Voc.)/ Data Analytics/Information Technology/Data Science and Analytics

Computer Networks

P. Pages : 1

Time : Two Hours

* 0 2 2 3 *

AK - 4566

Max. Marks : 30

Notes : 1. All questions are compulsory.
2. Draw neat diagrams wherever necessary.
3. Assume suitable data wherever necessary.

1. Write answer in one or two lines solve **any six** 6

i) What is communication protocol?

ii) What is Network topology?

iii) What is the uses of switch in Networking?

iv) What is Repeater ?

v) What is wirless media?

vi) What is Twisted pair guided media?

vii) Give an Application of Internet.

viii) What is web browsers.?

2. Long answer question solve **any one** 6

a) Explain MAN with their Advantages & disadvantages.

b) What is network Topology? Explain mesh topology?

3. Long answer question solve **any one** 6

a) Explain Different Networking devices in brief.

b) Explain in detail OSI model with diagram.

4. Short answer question solve **any two** 6

a) Explain circuit switching with example.

b) Explain time division multiplexing.

c) What is guided media? Explain Fiber Optics.

d) Describe infrared wireless media.

5. Short answer question solve **any two** 6

a) Explain wired type of internet Connection

b) Explain TCP/ IP protocols.

c) Explain www with example

d) Give an example of search engine

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