

PC-215/A

J-23/2041

INTRODUCTION TO IT-CCA-101

Time : Three Hours]

[Maximum Marks : 80

Note : Attempt *two* questions each from Sections A and B and the entire Section C.

SECTION – A

- I. Explain Computer generations in detail. 16
- II. Explain various types of system software. 16
- III. Suggest a suitable printer for the following situations.
(Justify your answer with suitable reasons).
(a) Banking organisation.
(b) Home user. 8×2=16)
- IV. Write a note on computer languages. 16

SECTION – B

- V. Explain Binary, decimal, octal and hexadecimal system.
Do the following conversions
 $(456)_{10} = (\text{_____})_2 = (\text{_____})_8 = (\text{_____})_{16}$.

VI. Explain various network topologies. 16

VII. Discuss the role of IT in the impact of social media in future. 16

VIII. Write a note on :

(a) Wiki.

(b) Internet Security.

(c) 3G and 4G.

(d) Virtual reality. (4×4=16)

SECTION – C

IX. Write short notes on the following :

(a) Discuss the role of operating system as resource manager.

(b) Write advantages of computers.

(c) What are flatbed scanners?

(d) Differentiate between Firmware and Hardware

(e) Write a short note on Touchpanel.

(f) What is LAN?

(g) Write use of cloud technology.

(h) What is the role of IT in education and training?

(2×8=16)