

Roll No.....29985.....

Total No. of Questions—10]

[Total No. of Printed Pages—5

Time Allowed—3 Hours

Maximum Marks—100

FRG

Answers to questions are to be given only in English except in the case of candidates who have opted for Hindi medium. If a candidate who has not opted for Hindi medium, answers in Hindi, his answers in Hindi will not be valued.

Answers to Sections A and B should be given in separate sets of answer-books.

SECTION—A

Attempt **all** questions.

Marks

1. (a) Describe briefly the following terms :

5×1=5

~~(i)~~ RISC

(ii) SCSI

(iii) WiFi

~~(iv)~~ Linked List

~~(v)~~ Metadata.

(b) Explain each of the following :

5×1=5

~~(i)~~ Mirror Log

(ii) Open Source Software

(iii) Fire wall

(iv) Intranet

(v) Multitasking.

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P. T. O.

2. Answer the following :

- (a) Explain the value added services that a Data Centre provides. 5
- (b) Explain different core phases that are required in developing a backup and recovery strategy. 5

3. (a) Discuss the various attributes of Local Area Network (LAN). 5
- (b) What is Integrated Services Digital Network (ISDN) ? Write its advantages. 5

4. The Income-tax for the employees of an organization is calculated on the basis of their Gross Income and the Investments made by them, under Section 80CCC. The taxable income is calculated according to the following rules : 10

Taxable Income = Gross Income – Investments provided investments are less than 1 lac. Otherwise

Taxable Income = Gross Income – 1,00,000

Following rules are applied to calculate the Income-tax, on the Taxable Income :

Taxable Income	Income-tax
(i) 0–1,60,000	Nil
(ii) 1,60,001–3,00,000	10%, on the excess of 1,60,000
(iii) 3,00,001–5,00,000	14,000 + 20% on the excess of 3,00,000
(iv) 5,00,001 and above	54,000 + 30% on the excess of 5,00,000

Also an educational cess of 3% of Income-tax is levied on all the employees, irrespective of the income.

Employee number, Name, Gross Income, Investment amount is given as input.

Draw a flow chart to calculate the Income-tax payable by each employee.

5. Write short notes on the following :

- (a) Stages of Data Mining 5
- (b) Bluetooth Technology. 5