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(July)

COMMERCE

(Honours)

(Information Technology in Business)

(BC–203)

Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

UNIT—I

1. *(a)* Explain the following :   2+2=4

　(i) Interpreter

　(ii) Compiler

(b) Define assembler.   1

(c) What is an information system?   2

(d) What is an application software?   2

(e) Explain the role of information technology in business.   3

(f) Explain, in brief, any three charac-teristics of a computer.   3

Or

(a) Write short notes on the following :

　　　　　　　　3×4=12

　(i) Firmware

　(ii) Virus

　(iii) Liveware

　(iv) Tailor-made software

(b) What are the limitations of information technology?   2

(c) What is a linker?   1

UNIT—II

2. *(a)* What is an Operating System (OS)?   2

(b) What is open-source operating system? Briefly discuss on the advantages of open-source operating system.   2+4=6

(c) Explain any three functions of an operating system.   2×3=6

(d) What is record in database management system?   1

(3)

Or

(a) Explain, in brief, about the following networks : 2×3=6

   (i) LAN

   (ii) MAN

   (iii) WAN

(b) What is a Database Management System (DBMS)? 2

(c) What are the advantages of Relational Database Management System (RDBMS)? 4

(d) What is the role of a database administrator? 3

UNIT—III

3. Consider the following data as shown in an electronic spreadsheet :

	A	B	C	D	E
1	Employee Number	Employee Name	Basic Salary (in ₹)	DA (Dearness Allowance) (in ₹)	HRA (House Rent Allowance) (in ₹)
2	101	ABC	1,000		
3	102	DEF	2,000		
4	103	GHI	3,000		
5	104	JKL	4,000		
6	105	MNO	15,000		
7	106	PQR	20,000		

(4)

	F	G	H	I
1	MA (Medical Allowance) (in ₹)	Gross Salary = Basic Salary + All Allowances (in ₹)	Deduction (in ₹)	Net Salary = Gross Salary – Deduction (in ₹)
2				
3				
4				
5				
6				
7				

There are three allowances namely, DA = Dearness Allowance, HRA = House Rent Allowance and MA = Medical Allowance.

But there is only one deduction.

Write down the formulas for calculating the following in an electronic spreadsheet :

(a) DA (Dearness Allowance) = 75% of the Basic Salary 2

(b) HRA (House Rent Allowance) is calculated as follows : 3+4=7

   (i) For a Basic Salary which is less than or equal to ₹ 12,000, the HRA (House Rent Allowance) will be 20% of the Basic Salary

   (ii) Otherwise, for a Basic Salary which is greater than ₹ 12,000, the HRA (House Rent Allowance) will be only 10% of the Basic Salary

(5)

(c) MA (Medical Allowance) = 1% of the Basic Salary   2

(d) Gross Salary   2

(e) Deduction = 10% of the Basic Salary   1

(f) Net Salary   1

Or

(a) Explain any three types of charts in Excel. Also draw suitable diagrams. 3×3=9

(b) What is the usefulness of charts in an electronic spreadsheet?   2

(c) Consider the following data as shown in an electronic spreadsheet :

	A	B	C	D	E
	Employee Code	*Basic Salary (in ₹)*	*Sales (in ₹)*	*Commission (in ₹)*	*Total Salary = Basic Salary + Commission (in ₹)*
1					
2	AAA-1	1,000	10,000		
3	BBB-2	2,000	20,000		

Calculate the following in an electronic spreadsheet :

(i) Commission = 10% of the sales

Write the two formulas for calculating the commission in cells D2 and D3.   1+1=2

(6)

(ii) Total Salary = Basic Salary + Commission

Write the two formulas for calculating the total salary in cells E2 and E3.   1+1=2

UNIT—IV

4. (a) Briefly explain the differences between Internet and Intranet.   3

(b) Write the names of some Internet Protocols. Also explain them.   2+5=7

(c) Discuss on the growth of Internet.   2

(d) What is a search engine? Give suitable examples of search engine.   3

Or

(a) What is WWW?   2

(b) Discuss the usage of Internet to the society.   6

(c) What is net etiquette? Explain.   7

UNIT—V

5. (a) What is e-commerce?   2

(b) Explain the e-commerce business models for generating revenue.   9

(c) Write a short note on Advertising on the Web.   4

(7)

Or

(a) Discuss on online payment systems and its usage.   5

(b) Write a short note on Marketing on the Web.   3

(c) What are the advantages of e-commerce over traditional commerce?   3

(d) What is the difference between the two terms 'e-commerce business models' and 'types of e-commerce'? Explain, in brief, with reference to the following :   4

  (i) B2C type of e-commerce, e.g., Amazon

  (ii) Advertising-supported e-commerce business model, e.g., Google

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