

**2/H-76 (v) (b) (Syllabus-2015)**

**2 0 1 6**

**( April )**

**COMMERCE**

**( Honours )**

**( Information Technology in Business )**

*Marks : 75*

*Time : 3 hours*

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

1. (a) What is an Information System?  
Discuss different types of information  
system. 3+4=7
- (b) Discuss system software with  
appropriate examples. 4
- (c) What is a firmware? 4

*Or*

- (a) Write short notes on interpreter and  
compiler. 7
- (b) What is an assembler? 4
- (c) Write the difference between virus and  
worm. 4

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2. (a) What is an operating system (OS)?  
Discuss any three services performed by the OS. 2+5=7

- (b) What are the two types of network configuration possible in a network? Discuss any two types of topology to design a network. 4+4=8

Or

- (a) What is a database management system? Discuss the main benefits of database management system. 3+6=9

- (b) Discuss the role of database administrator. 6

3. Consider the following data as shown in spreadsheet :

C8									
	A	B	C	D	E	F	G	H	I
1	NAME	ROLL	COMM	ECO	ENG	TOTAL	PERCENTAGE	GRADE	PASS/FAIL
2	XYZ	1	15	16	23				
3	ABC	1	23	45	45				
4	ERT	1	56	78	23				
5	SSS	1	80	89	78				
6	FGH	1	45	12	19				
7									
8									
9									
10									

Write down the formulas for calculating the following : 2+3+5+3+2=15

- (a) The total marks of each student

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( Continued )

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- (b) The percentage of marks of each student

- (c) The grades of each student

For calculating grades, assume the following :

- (i) If percentage < 40, then Grade "F"
  - (ii) If percentage  $\geq 40$  but < 60, then Grade "D"
  - (iii) If percentage  $\geq 60$  but < 70, then Grade "C"
  - (iv) If percentage  $\geq 70$  but < 80, then Grade "B"
  - (v) If percentage  $\geq 80$ , then Grade "A"
- (d) If percentage < 40, then to print "FAIL" otherwise "PASS" in the PASS/FAIL column
- (e) The number of students, secured "A" Grade

Or

- (a) Explain the terms 'absolute reference' and 'relative reference' with examples.

3+3=6

- (b) Explain the following functions of Excel : 2+2=4

(i) NOW()

(ii) SUMIF()

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( Turn Over )

( 4 )

- (c) Describe the usefulness of the following two types of chart :  $2\frac{1}{2}+2\frac{1}{2}=5$

(i) Bar chart

(ii) Column chart

4. (a) Discuss briefly different Internet Protocols. 10
- (b) Discuss the usage of Internet to society. 5

Or

- (a) Discuss briefly different ways to connect computer with the Internet. 6

- (b) Define the following terms :  $3 \times 3 = 9$

(i) World Wide Web

(ii) Search Engine

(iii) Gateway

5. (a) Describe the following E-commerce business models : 10

(i) Storefront model

(ii) Service provider model

(iii) Subscription-based access model

(iv) Broker model

(v) Portal site model

- (b) Describe the pros and cons of online shopping. 5

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( Continued )

( 5 )

Or

- (a) Describe different ways of product promotion through a Web site. 4
- (b) Discuss five guidelines for a merchant to attract customers to his Web site. 5
- (c) State the benefits of credit card from the viewpoint of the seller and the banker. 6

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