



BCA (Sem. IV) BCA Fourth Semester Examination May - 2016 (Faculty of Science) SECOND PAPER PHP Programming Paper Code: 4621 Maximum Marks TS Time Allowed: Three Hours The second will be given to any constitute. Hence the condidates should write the an precisely in the most answer book only. (2) All the parts of one question should be answered at one place in the answer book (Attempt all six questions) art I (Question No. 1& 2) is compulsory & Part II (Question No. 3, 4, 5 & 6) has internal inice. PART-I 10×1=18 1. Answer stry 10 questions. Each question carries 1 mark. (Words fimit upto 20 words each) Write different Scatures of PHP. Give the numes of different data types available in PHP. c) Define various jump statements in PHP. (i) Her can recorde a string in PHP. Give an example. What is a function ? in how many ways can you call a function ? (Give name only) What is an Array? Give names of different type of arrays. What do you means by Cookies? 26) What is 5. First Variable ? Weite the difference between Exception and Error. What is File? 45 What is Session 7 many of operations which you can perform on database. 435=39 services. Each question carries 5 marks. amit upto 50 words each) Explain the basic system of PHP with an example. In displace the variable scope in PHP with example. What do you mean by a User Defined Function? Create a user defined function nto justify your answer. What is an Exception ? How can you handle an exception ? Give an example, Explain the function fopen () and felose () to handle a file.

PART-II UNITI Tree 3. Explain the various types of Loop statements supported by PHP. Explain different types of operators available in PHP with example. UNIT II Explain the following string function. 2½ x 4= Strstr () (1) StmPoS() (11) (iii) SubStr-Count () (iv) Str-replace () OR In how many ways can you pass parameters to a function ? Explain each with an example. UNIT III 5. Write a script that uses cookies to remember how long ago a visitor first visited the page. Display this value in the page, in minutes and seconds. What is PHP Error Handling ? Explain the die () function and trigger error () function to bandle an octor. UNIT IV 6. Write out a SQL statement that creates a table called member in your mydatabase to store information about the members of a book club. Store the following data for each person: First name, Last name, age and the date they joined the club. Create more SQL statements to insert five imaginary people into this table. (i) Jo Scrivener, aged 31, joined September 3, 2006. (ii) Marty Pareene, aged 19, joined January 7, 2008. (iii)Nick Blakeley, aged 30, joined August 19, 2010 (iv)Bill Swan, aged 20, joined June 11,2011. (v) Jane Field, aged 36, joined March 2012.

OR

Explain the following function.

(i) fgetc ()
(ii) Unlink ()
(iii) is-exists ()
(iv) rename ()
(v) touch ()

BCA (Sem. IV) BCA Fourth Semester Examination May - 2016 (Faculty of Science) THIRD PAPER **Advanced Database Concepts** Paper Code | 4631 Time Allowed: Three Hours No supplementary answer book will be given to any conditate. Hence the conditions should write answers precisely in the main answer book only. (Attempt all six questions) Part I (Question No. 1& 2) is compulsory & Part II (Question No. 3, 4, 5 & 6) has PART-I Answer any 10 questions. Each question carries 1 mark. (Words limit upto 20 words each) 10:1-10 What is Scrilizability? b) What is Integrity of Data ? What is Deadlock ? What do you mean by a Transaction? What is Multiple Grandfully 2 What is OID ? n What is PL/SQL? What do you mean by a Distributed Database ? What is Client-Server Architecture ? What are Parallel Databases ? 1988 What is Persistent Programming Language? -12) What is Composite Data Type in PL/SQL? Give an example. 2. Attempt all questions. Each question carries 5 marks. 415=28 (Word-limit upto 50 words each) What is Locking? How locking is helpful in Concurrency Control? Explain the concept of inheritance in SCL. Explain 2-phase commit protocol. d) Explain the skeleton of a PL/SQL progr. m.

PART-II UNITI 3. (a) What is Concurrency Control ? Explain Tin : Stamp based protocol. 10 (b) With the help of a neat diagram explain different states of a transaction. Also explain ACID properties of a transaction. 10 UNITIE (a) What are Object-based Dotabases ? Explain in a tan. Also disease Complex Data types 10 OR (b) What do you mean by Database System Architecture? Explain different types of Database System Architecture. 10 UNIT III (a) How a global transaction can be handled in a Distributed Databases? Explain in detail 10 with a neat diagram. OR (b) What are the advantages of using Parallel Databases? Differentiate between Intra-Operation Parallelism and Inter-Operation Parallelism in detail. 10 UNITIV that are Triggers? Explain different types of triggers. Also discuss advantages of 10 using triggers. OR (b) What are Cursors? Why we use them? How an explifeit cursor can be defined and 10 used? Give an example.

(Faculty of Science) 11 May - 2016 FOURTH PAPER

Data Communication and Net Working Paper Code : 4641

Time Allowed: Three Hours

No augotementary answer book will be given to any candidate. Hence the conditions there are the second and the main passwer book only. answers avecisely in the main answer book only.

(Attempt all six questions)

Part I (Question No. 1& 2) is compulsory & Part II (Question No. 3, 4, 5 & 6) has

PART-I

- 1. Answer any 10 questions. Each question carries 1 marks.
 - (Words limit upto 20 words each)
 - What do you mean by a Network?
 - by How will you classify networks on the basis of scale,
 - What is Internet ?
 - What is the difference between half duplex and full duplex transmission as
 - What do you mean by a protocol?
 - What is the function of ISO?
 - Write the full form of IEEE.
 - Name the two protocols used in application layer.
 - What do you mean by Error Control?
 - What is Internet-Protocol (IP)?
 - What is the function of a bridge?
 - Name the different sections in which DNS is divided.
- attempt all questions. Each question carries 5 marks.
- (Word limit upto 50 words each)
- (a) What do you understand by Network Architecture?
 - What are the functions of Data Link Layer?
 - Explain in brief wireless LAN protocols.
 - Explain the working of SMTP.

4:5=20

1911-10

PART-II UNITI 19 Explain the following types of topologies (D) Ring (iii) Mess (iii) Bus (iv) Star OR 16 Explain different types of transmission modes with relevant examples. UNIT II 10 With a neat and clean diagram explain in detail the OSI model. Differentiate between guided and unguided transmission medium. Explain twisted 10 pair, coaxial cable and optical fiber as guided transmission mediums. UNIT III What do you mean by network connectivity in WAN's? Explain the different types of 10 switching techniques. OR What are Congestion Control Algorithms ? Explain congestion control in virtual circuit. subnets and datagram subnets. 19 UNIT IV Explain TCP/IP protocol architecture? How this architecture differs from OSI reference model ? 10 OR Write short notes on any two of the following. 2x5=10 TELNET Protocol. File Transfer Protocol. H1) Wi-Fi Network (m) 特尔特特特