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QUESTION: 1

Which product allows you to collect, measure, view, analyze and evaluate application service-level metrics?

- A. ASAP
- B. TPDC
- C. PEEK
- D. MEASURE

Answer: A

QUESTION: 2

Which embedded SQL/MP statement is used for performance data collection?

- A. INCLUDE SQLCA
- B. INCLUDE SQLSA
- C. INCLUDE SQLDA
- D. INCLUDE SQLSTATS

Answer: B

QUESTION: 3

When are the best times to take measurements of a system? (Select TWO)

- A. when another detailed measurement is active
- B. continuously
- C. when the system is lightly loaded
- D. at peak time
- E. during database reorganization

Answer: B, D

QUESTION: 4

Which PATHCOM command displays statistical information for all TCPs in the RUNNING state for a 10-minute interval?

- A. STATS TCP *, STATE RUNNING, PERIOD 10 MINS
- B. STATUS TCP *, STATE RUNNING, INTERVAL 10 MINS
- C. STATS TCP *, STATUS RUNNING, PERIOD 10 MINS
- D. STATS TCP *, STATE RUNNING, INTERVAL 10 MINS

Answer: D

QUESTION: 5

Which statistical information can be obtained in SQLCI?

- A. disk reads, message count, lock waits
- B. lock escalations, cash hit, records accessed

- C. index level, records used, timeouts
- D. disk open, message bytes, esp time

Answer: A

QUESTION: 6

Which Measure entities provide the data needed to determine a high level overview of the system over a 24-hour period?

- A. CPU, PROCESS and DISC
- B. CPU, PROCESS and DISKFILE
- C. CPU, PROCESS and DISCOPEN
- D. CPU, PROCESSH and DISC

Answer: A

QUESTION: 7

Performance has gradually worsened for an application that sequentially reads a frequently updated file (inserts, deletes & updates).

What would you do to enhance the performance?

- A. fup reload
- B. create index
- C. add partition
- D. update statistics

Answer: A

QUESTION: 8

Which MEASURE entity can be used to implement transaction counting within an application process?

- A. System
- B. Process
- C. Userdef
- D. CPU

Answer: C

QUESTION: 9

What is the best strategy to start measuring a system?

- A. Run PEEK at random intervals.
- B. Use VIEWSYS to monitor the system.
- C. Use VIEWPOINT to highlight thresholds.
- D. Perform a 24-hour measurement of the complete system.

Answer: D

QUESTION: 10

What does ViewSys collect information about?

- A. Open Control Blocks (OCB) currently in use
- B. processor dispatch rate
- C. EXPAND line utilization
- D. records accessed/used for SQL SELECTS

Answer: B

QUESTION: 11

Exhibit

```
Data Chain Information:
Number of chains      100
Longest chain         2
Chain length histogram
1                     0
2 -10                100
11 -25               0
26 - 50              0
51 ?100              0
> 100                0
Avg blocks/chain      2
% of total blks in avg chain
1%
```

A query accessing a file has recently suffered significant performance degradation.

What recommended action is required on the file?

- A. The query needs recompilation.
- B. The file does not need a reload.
- C. The file needs a reload.
- D. The file needs update statistics.

Answer: C

QUESTION: 12

Exhibit

```

Operation 1.0 : Scan
Table          : \SUNNY.$CLASS1.SQLDB.EMPLOYEE
Access type    : Record locks, stable access
Lock mode      : Chosen by the system
Column processing : Requires retrieval of 6 out of 6 columns

Access path 1  : Primary, partitioned, sequential cache
SBB for reads  : Virtual
Begin key pred. : None
End key pred.  : None
Index selectivity : Expect to examine 100% of rows from table
Index pred.     : None
Base table pred. : Will be evaluated by the disk process
                  DEPTNUM = 3600
Pred. Selectivity : Expect to select 1.1905% of rows from table

Executor pred. : None
Table selectivity : Expect to select 1.1905% of rows from table
Expected row count : 236 rows after the scan
Operation cost    : 848

Total cost      : 848

>>invoke employee;
-- Definition of table \SUNNY.$CLASS1.SQLDB.EMPLOYEE
-- Definition current at 09:48:13 - 11/08/01

(
  EMPNUM          NUMERIC( 6, 0) UNSIGNED NO DEFAULT NOT NULL
, FIRSTNAME       CHAR(15)                                NO DEFAULT NOT NULL
, LASTNAME        CHAR(20)                                NO DEFAULT NOT NULL
, DEPTNUM         NUMERIC( 4, 0) UNSIGNED DEFAULT NULL
, JOBCODE         NUMERIC( 4, 0) UNSIGNED DEFAULT NULL
, U_TIMESTAMP     DATETIME YEAR TO FRACTION(6) DEFAULT SYSTEM
)

$CLASS1.SQLDB.EMPLOYEE      8 Nov 2001,  9:54
SQL ERASE TABLE
CATALOG $CLASS1.SQLCAT
VERSION 2
TYPE K
FORGOT 1
EXT ( 284 PAGES, 30 PAGES, MAXEXTENTS 160 )
REC 59
PACKED REC 58
BLOCK 4096
KEY ( COLUMN 0, OFFSET 0, LENGTH 4, ASC )
INDEX ( 1, $CLASS1.SQLDB.EMPNUM,
        COLUMN 2, OFFSET 19, LENGTH 20, ASC,
        COLUMN 1, OFFSET 4, LENGTH 15, ASC,
        NOT UNIQUE )
PART ( 0, $CLASS1, 284 PAGES, 30 PAGES, MAXEXTENTS 160, FORMAT 1, 0 )
PART ( 1, $CLASS2, 284 PAGES, 30 PAGES, MAXEXTENTS 160, FORMAT 1, 14521 )
AUDIT
BUFFERED
AUDITCOMPRESS
OWNER -1
SECURITY (RSEP): NONE
DATA MODIF: 12 Apr 2001, 18:11
CREATION DATE: 28 Feb 2001, 14:41
REDEFINITION DATE: 12 Apr 2001, 18:11
LAST OPEN: 8 Nov 2001, 9:31
EOF: 364544 (3.5% USED)
EXTENTS ALLOCATED: 1
INDEX LEVELS: 1

```

What would you do to enhance performance of the following query?

- A. force VSBB
- B. add more cash
- C. partition the table
- D. create an index

Answer: D

QUESTION: 13

Which information is provided by TRA?

- A. cache hit rate
- B. status of reload
- C. average blocks per chain
- D. whether or not to reload a file

Answer: C

QUESTION: 14

Which RDF global parameter should be set to allow monitoring of an Updater's lag time?

- A. UPDATERDELAY
- B. UPDATERRTDWARNING
- C. UPDATERTEXTIME
- D. UPDATEROPEN

Answer: B

QUESTION: 15

Scenario:

The Marketing Group is asking for a new feature to be added to the retail OLTP application. They would like to have an online query that would list the last 30 days of purchases for a given customer (credit card number). The file that currently contains this information is Key-Sequenced and it is updated every time a purchase is finalized. The primary key for this file is system generated, the remaining data elements are: timestamp, credit card number, the part number of the item being purchased, the price and the quantity purchased.

You have been asked to recommend the optimal way to access this data.

- A. Use the internal sort process and sort the file by the Timestamp
- B. Create an Alternate Key file, using the Timestamp as Alternate Key value and accessing the file via the Alternate Key
- C. Use the internal sort process and sort the file by the Credit Card Number
- D. Create an Alternate Key file, using the Credit Card Number as Alternate Key value and accessing the file via the Alternate Key

Answer: D

QUESTION: 16

Which method contributes to increased memory usage?

- A. shared run time libraries
- B. reusable program modules
- C. reusable objects
- D. program pairs

Answer: D

QUESTION: 17

What is the benefit of distributing processes across processors?

- A. shorter path length
- B. easier management of serverclasses
- C. better load balancing
- D. less use of memory resources

Answer: C

QUESTION: 18

Parallelism is a major performance feature exploited by:

- A. a NonStop process pair
- B. an audited transaction
- C. file partitioning
- D. priority setting

Answer: C

QUESTION: 19

Which Pathway server class attribute directly controls the request queue?

- A. TIMEOUT
- B. CHECKPOINT
- C. MAXLINKS
- D. MAXSERVERS

Answer: C

QUESTION: 20

During interpretation of a SCREEN COBOL program, the TCP is responsible for dynamically allocating and deallocating memory space for terminal and server I/O buffers.

Which TCP attributes define the total space available for these buffers? (Select TWO)

- A. MAXTERMDATA
- B. TERMPPOOL
- C. TERMBUF
- D. MAXREPLY

E. SERVERPOOL

Answer: B, E