

M.E. DEGREE EXAMINATIONS: OCTOBER / NOVEMBER 2008

Third Semester

INDUSTRIAL ENGINEERING

P071EE10 Enterprise Resource Planning

Time: Three hours

Maximum: 100 Marks

Answer ALL Questions:-

PART A – (20 x 1 = 20 Marks)

1. CALS stands for -----.
(a) Computer Aided Logistics Software (b) Computer Aided Logical Systems
(c) Computer Aided Lean Systems (d) Computer- Aided Acquisition and Logistics Support
2. ----- is a group of people with a common goal, which has certain resources at its disposal to achieve that goal.
(a) System analysts (b) Economists (c) Scientists (d) Enterprise
3. The primary concept of ----- is that the data stored for business analysis can most effectively be accessed by separating it from the data in the operational systems.
(a) data mining (b) data warehousing (c) OLAP (d) EIS
4. The elapsed time between placing an order and receiving it is known as the -----.
(a) cycle time (b) processing time (c) transportation time (d) lead- time
5. The objective of a ----- is company-wide control and integration of financial information that is essential to strategic decision-making.
(a) investment management (b) enterprise controlling
(c) financial management (d) financial accounting system
6. ROA stands for -----.
(a) Return on Assembly (b) Rate of Administration
(c) Redesign of Assembly (d) Return on Assets
7. CIQ stands for -----.
(a) Computer Integrated Quality (b) Customer Integrated Quality
(c) Computer Integrated Quantity (d) Computer-Integrated Quality Management
8. ----- is a method of physical inventory, where inventory is counted at regular intervals within a fiscal year.
(a) Periodic inventory (b) Continuous inventory
(c) Inventory sampling (d) Cycle counting

9. It is in the ----- phase that the details of how to go about the implementation are decided.
 (a) pre-evaluation screening (b) package evaluation (c) project planning
 (d) gap analysis
10. In the ----- phase the details of where the company stands now and where it wants to be are identified.
 (a) reengineering (b) configuration (c) testing (d) gap analysis
11. ----- are the people who will be using the ERP system once it is in place.
 (a) Vendors (b) Consultants (c) End-users (d) Software firms
12. ----- are the people who have developed the ERP packages.
 (a) Vendors (b) Consultants (c) End-users (d) Software firms
13. EDI is an abbreviation for -----.
 (a) Enterprise Data Interpretation (b) Electronic Data Interpretation
 (c) Enterprise Document Inventory (d) Electronic Data Interchange
14. R / 3 is the ERP product of -----.
 (a) SAP AG (b) Oracle Corporation (c) PeopleSoft Inc. (d) Baan Co.
15. OneWorld is the product developed by -----.
 (a) SAP AG (b) JD Edwards World Solutions Co.
 (c) PeopleSoft Inc. (d) Baan Co.
16. Oracle recently introduced a program called ----- to speed up implementations of Oracle Applications suites.
 (a) ASAP (b) Fast Forward (c) OracleOne (d) Oracle Applications
17. Kapp, Germany uses the product -----.
 (a) R / 3 (b) OneWorld (c) PeopleSoft (d) Baan IV
18. Alcone Marketing Group, USA uses the product -----.
 (a) R / 3 (b) OneWorld (c) PeopleSoft (d) Baan IV
19. Shrin Corporation uses the ERP package-----.
 (a) R / 3 (b) OneWorld (c) PeopleSoft (d) Baan IV
20. BMW produces -----.
 (a) trains (b) aero planes (c) ships (d) cars

PART B -- (5x16=80 Marks)

- 21.(a) (i) How information is integrated within an organisation using an ERP system? (8)
 (ii) What are the advantages of ERP systems? (8)

(OR)

- (b) (i) Why are integrated information systems important for the organisation's success? (8)
(ii) What are the main characteristics of a DSS? (8)

- 22.(a) (i) What are the sub-systems of the finance module? (8)
(ii) What are the components of a good Warehouse Management Application? (8)

(OR)

- (b) (i) What are the major functions of the manufacturing module? (8)
(ii) How does the plant maintenance module help in achieving competitiveness? (8)

- 23.(a) Describe how you would go about the different phases of the ERP implementation lifecycle, if it were being done in your company. (16)

(OR)

- (b) (i) Why is it that a company cannot implement the ERP system in-house? (8)
(ii) Who is an end-user and why are they so critical for the success of the ERP implementation? (8)

- 24.(a)(i) Why are ERP vendors trying to improve their products and offerings? (8)
(ii) Which are the new markets and channels explored by the ERP vendors? (8)

(OR)

- (b) (i) Why are ERP vendors trying faster implementation methodologies? (8)
(ii) What is the impact of internet and www on the ERP products? (8)

- 25.(a) (i) Explain about a ERP case study at Kapp, Germany. (8)
(ii) What are the benefits for Reynolds Aluminium company of Canada by using ERP package? (8)

(OR)

- (b) (i) Explain about a ERP case study at Alcone Marketing Group, USA. (8)
(ii) What are the benefits for Cisco systems, USA by the usage of ERP package? (8)
