MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code : HSMC701   Project Management and Entrepreneurship

Time Allotted : 3 Hours   Full Marks :70

The Figures in the margin indicate full marks.
Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :   [1 x 10 = 10]

   (I)   What is idea management system ?

   (II) Definition of project management

   (III) If PI <1, the company _____ the proposal

   (IV) Define Work breakdown structure

   (V) Construction of a house is an example of _____ term project

   (VI) Two types of project costs

   (VII) Define Late Finish (LF)

   (VIII) _____ is one of the qualities of a prospective entrepreneur

   (IX) The quantity supplied _____ when the price of good rises

   (X) What do you mean by Harvesting strategy ?

   (XI) As income increases the demand for normal good will _____

   (XII) PERT is also known as _____

Group-B (Short Answer Type Question)
Answer any three of the following   [5 x 3 = 15]

2. Definition of project with example   [5]
3. What is economic appraisal?   [5]
4. What are the 5 phases of project life cycle . Draw the chart   [5]
5. Discuss the initiation phase of a project   [5]
6. Difference between PERT and CPM   [5]

Group-C (Long Answer Type Question)
Answer any three of the following   [15 x 3 = 45]

7. (a) Company C is planning to undertake a project requiring initial investment of $105 million. The project is expected to generate $25 million per year in net cash flows for 7 years. Calculate the payback period of the project.   [7]

   (b) Company C is planning to undertake another project requiring initial investment of $50 million and is expected to generate $10 million net cash flow in Year 1, $13 million in Year 2, $16 million in year 3, $19 million in Year 4 and $22 million in Year 5. Calculate the payback value of the project.   [8]

8. (a) Write about Steps of innovation management   [5]

   (b) What is idea management system?   [3]

   (c) Discuss divergent and convergent system   [7]

9. (a) What is harvesting strategy?   [6]

   (b) Reasons to employ harvesting strategy?   [9]

10. Factors determining market segment   [15]

11. (a) Discuss pre feasibility studies.   [5]

   (b) Discuss feasibility studies   [5]

   (c) What are the contents of a detailed project report.   [5]

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
Paper Code : PEC-CS702E   Cyber Security

Time Allotted : 3 Hours   *Full Marks :70*

The Figures in the margin indicate full marks.
Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :   [1 x 10 = 10]

   (I)   "Cyberspace" was coined by _____.

   (II)   Which is the oldest techniques used by hackers for phone hacking to make free calls?

   (III)   An attempt to steal, spy, damage or destroy computer systems, networks, or their associated information is known as _____.

   (IV)   The Code Red is a sort of a _____.

   (V)   Give an example of physical hacking.

   (VI)   What is the existence of weakness in a system or network is known as?

   (VII)   Which independent type of malicious program does not require any host program?

   (VIII)   What are Trojan-Horse programs?

   (IX)   When there is an excessive amount of data flow, which the system cannot handle, _____ attack takes place.

   (X)   A _____ can be a hardware device or a software program that filters all the packets of data that comes through a network, the internet, etc.

   (XI)   The Hacker who did break the SIPRNET system is _____.

   (XII)   A cyber-criminal or penetration tester uses the additional data that stores certain special instructions in the memory for activities to break the system. Name the type of attack.

Group-B (Short Answer Type Question)
Answer any three of the following   [5 x 3 = 15]

2. Discuss Security Architecture.   [5]
3. Mention the difference between symmetric and asymmetric encryption.   [5]
4. Write the steps to analyze the E-Mail Application'ssecurity vulnerabilities. [5]
5. What is a response code? List them.   [5]
6. Discuss matrix mining.   [5]

Group-C (Long Answer Type Question)
Answer any three of the following   [15 x 3 = 45]

7. With a diagram, explain handshake protocol action. Explain SSL protocol stack.   [10+5]
8. Discuss security policy database.With a neat diagram, explain ip traffic processing. [5+10]
9. Explain the different Threats to Information System? What do you mean by Information Assurance ? [10+5]
10. What do you mean by packet filtering in Firewall? Explain Firewall and working of Firewall? Explain the need to take Backup?   [4+5+6]
11. Elaborate: "Cyber crime play a vital role against person ,property and govt. to protect all valuable information and rights".   [15]

*** END OF PAPER ***

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL
Paper Code : OECCS701C   Introduction to Philosophical Thoughts

Time Allotted : 3 Hours   Full Marks :70

The Figures in the margin indicate full marks.
Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :   [1 x 10 = 10]

    (I)   What is the correct order of Upanishad according to Taitariya Upanishad?

    (II) Name the fifth kind of material fallacies according to Nyaya Philosophers?

    (III) _____ school of Budhhism tries to suit all tastes and culture

    (IV) Name the third kind of material fallacies according to Nyaya Philosophers?

    (V)   According to Buddha the transitoriness of life and worldly things is explained as the doctrine of _impes_._____

    (VI) Who founded Carvaka Philosophy?

    (VII) What is soul according to the carvakas?

    (VIII) In Jain Philosophy any kind of immediate knowledge by the unaided soul is limited as its objects are limited and is called _____ .

    (IX) What is the ideal of Bodhisattva?

    (X)   When an inference is called 'anvayavyatireki'?

    (XI) Why did the Carvakas oppose the performance of religious ceremonies with the object of either attaining heaven or avoiding hell?

    (XII) What is kala according to Jaina philosophy?

Group-B (Short Answer Type Question)
Answer any three of the following   [5 x 3 = 15]

2. What is the concept of Atman according to Vedas and Upanishads?   [5]

3. What is wrong according to the carvakas with the following arguments: [5]

    All men are mortal.
    Socrates is a man
    Therefore, Socrates is mortal.

4. Why according to the Carvakas testimony cannot be a valid source of knowledge?   [5]

5. How is the concept of 'substance' developed by the Jaina Philosphers?   [5]

6. What is the reason provided by the Jaina Philosphers for explaining that 'Time' is an non-extended entity?   [5]

Group-C (Long Answer Type Question)
Answer any three of the following   [15 x 3 = 45]

7. Explain the concept of Rta.   [15]

8. Explanation according to the Carvakas about the following line: Liberation as freedom from all pain is an impossible idea.   [15]

9. (a) Explain the essential tenets of the Carvaka Philosohy.   [7]

   (b) What can you say about the Dehatmavada of Carvakas.?   [8]

10. According to Jaina Philosophy analyze the statement , " Liberation is expulsion of matter from the soul".   [15]

11. Discuss the common features of Indian Philosophical systems   [15]

*** END OF PAPER ***

MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY, WEST BENGAL

Paper Code : PEC-CS701B   Cloud Computing

Time Allotted : 3 Hours   Full Marks :70

The Figures in the margin indicate full marks.
Candidate are required to give their answers in their own words as far as practicable

Group-A (Very Short Answer Type Question)

1. Answer any ten of the following :   [1 x 10 = 10]

   (I)   Mention the services that are provided by Window Azure.

   (II) Fill in the blanks
      Hotmail is part of Microsoft's _____ cloud service.

   (III) What is Microsoft Azure?

   (IV) Give examples of the most commonly used message-passing format language

   (V)   What are some of the cloud computing platform databases?

   (VI) Fill in the blanks
      salesforce.com is a _____ platform.

   (VII) What is the acronym for FCAPS in cloud management software?

   (VIII) What is Event-driven SOA 2.0?

   (IX) Fill in the blank:
      In SaaS model, everything from the application down to the infrastructure is the _____ responsibility.

   (X)   What is application porting in cloud computing

   (XI) What is Pods?

   (XII) _____ is a characteristic of cloud computing that is used to handle the increasing workload by increasing in proportion amount of resource capacity.

Group-B (Short Answer Type Question)
Answer any three of the following   [5 x 3 = 15]

2. Give some issues that arise in cloud computing.   [5]

3. Write short notes on
   CardSpace IDaaS system   [5]

4. 'IDaaS interoperability' how does it work?   [5]

5. What factors need to be analyzed for securing a cloud computing system?   [5]

6. Write short notes on :
   Open SaaS   [5]

Group-C (Long Answer Type Question)
Answer any three of the following   [15 x 3 = 45]

7. (a) What are the main features of Google's App Engines? Discuss various web hosting features of this cloud service.   [5]

   (b) What are the main elements of Microsoft's Azure cloud service?   [5]

   (c) Discuss the secure access control mechanisms of Microsoft's AppFabric service. [5]

8. (a) What are the different categories of services are offered in PaaS?   [5]

   (b) Give an example of any Content Management system (CMS) and Customer Relationship Management system (CRM), and explain their operation on PaaS SOA.   [10]

9. (a) What is the role customer/user in PaaS cloud computing?   [5]

   (b) Give a suitable example of a PaaS platform, and described its functionalities. [6]

   (c) What are the limitations of software development in a PaaS platform?   [4]

10. (a) Explain the Brokered cloud storage access mechanism with illustrative diagrams. [11]

(b) How to deal with storage location and tenancy for securing data? [4]

11. (a) Explain the Jericho Forum's Cloud Cube Model with a diagram [9]

(b) Discuss various cloud deployment models [6]

*** END OF PAPER ***