



B.C.A. (Semester - VI) Examination, April 2016
MULTIMEDIA TECHNOLOGY

Duration : 2 Hours

Total Marks : 50

Instructions : 1) All questions are compulsory.
2) Figures to the right indicate marks.

1. A) State whether the following statements are True or False : (5×1 = 5)
- i) Movies are examples of linear multimedia.
 - ii) RGB is called as additive colour model.
 - iii) 10 KHz is the highest-pitched sound human ear can hear.
 - iv) MPEG-4 is better than SWF file format.
 - v) Magazine is an example of web-based multimedia.
- B) Answer the following in one or two statements each : (5×1 = 5)
- i) Define hypermedia.
 - ii) What is metagraphics ?
 - iii) Give any two examples of audio formats.
 - iv) What is temporal redundancy ?
 - v) Define web media.
2. Answer the following :
- A) What is multimedia ? Give any two applications of multimedia in the field of education. 2
 - B) Explain 'video' as an element of multimedia. 3
 - C) Differentiate between print media and electronic media. 5
3. Answer the following :
- A) Why is the GIF file format not suitable for photographic images ? 2
 - B) Differentiate between lossy and lossless compression. 3
 - C) What are vector graphics ? Discuss advantages and disadvantages. 5

P.T.O.



4. Answer the following :

- A) Define bit rate. Calculate bit rate of audio of 8 bits with 8 KHz. 2
- B) What are the advantages of using digital audio ? 3
- C) Explain the mechanism of audio streaming. 5

5. Answer the following :

- A) Define frame rate and video bit rate. 2
- B) Explain matte painting visual effect. 3
- C) Write short note on use of intra, predicate and bi-directional frame. 5



B.C.A. (Semester – VI) Examination, April 2016
MANAGEMENT INFORMATION SYSTEMS

Duration : 2 Hours

Max. Marks : 50

- Instructions :** 1) *All questions are compulsory.*
2) *Figures to the right indicate full marks.*
3) *Draw diagrams wherever necessary.*

1. A) Fill in the blanks : (1×5=5)

- i) _____ is raw, unorganised facts that need to be processed.
- ii) _____ prepares output that is very close in quality to that produced by a typesetter.
- iii) _____ decisions see things in literal truth and pragmatism or more grounded on reality.
- iv) _____ information is used by middle management when managing or planning projects.
- v) _____ is extrapolative and non-deterministic, non-probabilistic process which also helps to judge between right or wrong.

B) State whether the following statements are True or False : (5×1=5)

- i) Forward chaining begins with a hypothesis and asks user questions until hypothesis is confirmed or disproved.
- ii) Electronic mail provides easy synchronous communication.
- iii) Optical character recognition converts data on paper to a digital format for storage.
- iv) Enterprise software is built around several pre-defined business processes to reflect the best practises.
- v) CRM systems focus specifically on suppliers.

P.T.O.



2. Answer the following :
- A) Define system and list its elements. 2
 - B) Discuss in brief any three characteristics of MIS. 3
 - C) Explain the three types of knowledge along the tools of knowledge conversion. 5
3. Answer the following :
- A) Explain the operational information sources. 2
 - B) What is pareto analysis ? List down the steps involved in it. 3
 - C) Discuss in brief fuzzy logic systems and neural networks as intelligent techniques. 5
4. Answer the following :
- A) Explain the attribute 'explicitness' of information. 2
 - B) Discuss the key features of e-CRM. 3
 - C) Define ERP. Discuss the cost of implementing ERP systems. 5
5. Answer the following :
- A) What are the limitations of office automation system ? 2
 - B) Explain the conditions in which an expert system can be used for problem solving. 3
 - C) Discuss the various components of an expert system in brief. 5



B.C.A. (Semester – VI) Examination, April 2016
Computer Science Elective
CONTENT MANAGEMENT SYSTEM

Duration : 2 Hours

Max. Marks : 50

Instructions : 1) *All questions are compulsory.*
2) *Figures to the right indicate marks.*

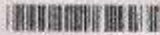
1. Answer the following : (5×2 = 10)
 - a) Define Hosted CMS.
 - b) Define Wiki.
 - c) State any 4 examples of CMS systems.
 - d) What is MOODLE CMS ?
 - e) What does a template comprise of in website design ?

 2. Answer the following :
 - a) State why content is important for site's success. 2
 - b) Explain categories in Joomla. 3
 - c) What are the disadvantages of content Management Systems ? 5

 3. Answer the following :
 - a) How do you keep a post private in wordpress ? 2
 - b) Explain extensions in Joomla CMS. 3
 - c) Write the steps for creating new post in a wordpress blog. 5

 4. Answer the following :
 - a) What are plugins ? 2
 - b) What are the features of Wix CMS ? 3
 - c) Write down steps to add a new course in MOODLE. 5

 5. Answer the following :
 - a) Why are menus essential part of a website ? 2
 - b) Write down the steps for Joomla CMS installation. 3
 - c) Explain how you can edit an article in Wikipedia. 5
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B.C.A. (Semester – VI) Examination, April 2016
NON-COMPUTER SCIENCE (Elective)
Entrepreneurship Development

Duration : 2 Hours

Total Marks : 50

- Instructions :** 1) All questions are compulsory.
2) Figure to the right indicates full marks.
3) From Q. 2 to Q. 5 attempt either (A and B) or (X and Y).

1. Answer the following : (2×5=10)

- A) What are the skills required for an entrepreneur ?
- B) What are the advantages of partnership business ?
- C) Give points of difference between Intrapreneur V/s. Entrepreneur.
- D) What are the objectives of financial management ?
- E) What are the 4 Ps of marketing ?

2. Answer the following : (5×2=10)

- A) State and explain any four types of entrepreneur.
- B) Explain in brief the contribution of an entrepreneur in economic development of India.

OR

- X) Describe the various problems faced by the rural entrepreneurs.
- Y) Briefly explain the qualities of an entrepreneur.

3. Answer the following : (5×2=10)

- A) Explain any five ways in which ideas can be generated.
- B) What is SWOT Analysis ? Explain the internal and external factors.

OR

- X) Explain the various steps involved in idea processing and selection of idea.
- Y) What is Market Survey ? Briefly explain any four techniques of Market Survey.

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4. Answer the following :

(5×2=10)

- A) Explain Peter Drucker's seven sources of purposeful innovation.
- B) Explain any five packaging strategies adopted by an entrepreneur to attract customers.

OR

- X) What is Market Research ? Explain the significance of market research.
- Y) Explain any five benefits of training factory workers.

5. Answer the following :

(5×2=10)

- A) What is project report ? Explain the significance of project report.
- B) Explain any five pricing strategies adopted by an entrepreneur.

OR

- X) Explain the role of finance manager.
- Y) Explain the stages of product life cycle with the help of a diagram.