

5th Sem. COMMON 2020(W)

Th1- Entrepreneurship and Management & Smart Technology

Full Marks: 80

Time- 3 Hrs

Answer the questions as per the instruction.
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. Write the full form of NABARD.
 - b. Enlist at least four characteristics of an entrepreneur.
 - c. Why should an entrepreneur prepare the project himself?
 - d. Define financial management.
 - e. Distinguish between debit and credit.
 - f. Define market.
 - g. Why does an organization need advertisement?
 - h. Differentiate a manager with a leader.
 - i. Define IoT.
 - j. Define IPR (Intellectual Property Right).

2. Answer **Any Six** Questions 5 x 6
 - a. Differentiate entrepreneur with manager.
 - b. What are the factors to be taken into account to select a technology for an enterprise?
 - c. Write the objectives of financial management.
 - d. Write the different functions of marketing.
 - e. Briefly discuss different types advertising media.
 - f. Briefly explain the functions of HRM.
 - g. Briefly discuss the smart transportation system, the advantages and

- disadvantages related to it.
- h. Explain the Maslow's theory of motivation.

3 Answer any three questions

10x3

- a. Briefly explain different barriers in entrepreneurship.
- b. How do you select a business opportunity? Explain different components (at least five) related to business opportunity.
- c. What is PPR (Preliminary Project Report)? Briefly explain the structure of PPR.
- d. Explain the five functions of management briefly.
- e. Briefly explain the general recruitment process in an organization.
- f. Briefly explain different types of budgets.

Th2- Internet & Web Technology

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. What do you mean by computer network?
 - b. Write down two differences between the internet and intranet?
 - c. What does VSAT stands for? Write one of the applications of VSAT.
 - d. How does firewall work?
 - e. Write down two differences between Internet and WWW.
 - f. Give four examples of Internet Application.
 - g. What are the types of Cascading Style Sheet?
 - h. How do you declare a variable in JavaScript? Give an example of it.
 - i. What is the syntax of anchor tag in HTML? Give an example of it.
 - j. What is the use of GET and POST method in PHP?
2. Answer **Any Six** Questions 6 x 5
 - a. Briefly explain the CIDR Notation.
 - b. Describe the characteristics of Good Web Design.
 - c. Write down five differences between the Static Websites and Dynamic Websites.
 - d. Explain five Form elements of HTML.
 - e. Write down five differences between CSS and SSS.
 - f. What is the use of <table> in HTML? Give an example of a simple HTML table.
 - g. How to create a function in JavaScript? Explain any four of the built-in functions in JavaScript.
- 3 . How many bits are there in IPv6 Address? Give a brief description about IP address. 10
- 4 . Explain in details about TCP/IP Model. 10
- 5 . What do you mean by client side scripting? How do you embed a JavaScript with HTML document? Give an example. 10
- 6 . What does PHP stands for? What are the conditional statements used in PHP? Write a PHP program using while loop. 10
- 7 . Write a short notes on : 10
 - I. SSL
 - II. Document Object Model

5TH SEM./ CSE/IT/ 2020(W) NEW
TH3-SOFTWARE ENGINEERING

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. Differentiate between program and software product.
 - b. What are the responsibilities of Project Manager?
 - c. Define cohesion and coupling.
 - d. What do you mean by unit testing?
 - e. Define error seeding.
 - f. What is project planning?
 - g. Name two approaches of software design.
 - h. What is project scheduling?
 - i. Define software reliability.
 - j. What is prototype?
2. Answer **Any Six** Questions 6 x 5
 - a. Explain why the spiral life cycle model is considered to be a meta model.
 - b. Define COCOMO. Explain the basic features of COCOMO model.
 - c. Explain the characteristics of a good interface. Classify the user interface.
 - d. What is SRS? Explain the characteristics of a good SRS document and its contents.
 - e. Explain different types of integration testing approaches used in software testing.
 - f. Discuss about various project size estimation metrics.
 - g. What is data flow diagram? Write the function of each symbols used in DFD. Discuss the shortcomings of DFD model.
3. Explain the function of each phase of classical waterfall model, used in software development. 10
4. Define system debugging. Discuss about various approaches and guidelines for debugging a software system. 10
5. What is risk? Describe various activities associated with risk management in software development. 10
6. What is the aim of testing? Discuss different methodologies used for white box testing. 10
7. What is software quality and how is it achieved? Discuss software quality management system. 10

5TH SEM./ Computer Science and Engineering/ 2020(W)NEW

Th4 Computer Hardware and Maintenance

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer All questions 2 x 10
 - a. Name Four Major Vendors of Computer Hardware.
 - b. What is BIOS?
 - c. Write the Function of SMPS.
 - d. Write the Different parts of Mother Board.
 - e. Define POST.
 - f. What are the Different types of network connector?
 - g. Define Memory Speed.
 - h. What are the different Slots on a Mother Board?
 - i. Define the Four types of Monitors.
 - j. What does NTFS stands for?
2. Answer Any Six Questions 6 x 5
 - a. Explain the Hierarchy of Computer personnel engaged in different levels in an Organisation.
 - b. Explain Basic Maintenance Concepts.
 - c. Explain Hardware BIOS Interaction.
 - d. What are the different types of Printers available explain it.
 - e. Describe about Primary Memory.
 - f. Describe about different types of File System.
 - g. Write the difference between Core 2 Duo and Quad core Processor.
3. Describe need of Management in Computer Centres and state different types of jobs carried out in Computer Organisations. 10
4. What is trouble shooting? Describe the Methods of trouble shooting. 10
5. Describe the Different Components and Slots of Mother Board. 10
6. Describe Hard Disk Construction and its Working Principle. 10
7. Explain different Networking Interconnecting devices. 10