PJF2

Roll No. ....

Total No. of Questions – 6

Total No. of Printed Pages – 4

Maximum Marks – 70

GENERAL INSTRUCTIONS TO CANDIDATES

1. The question paper comprises two parts, Part I and Part II.
2. Part I comprises Multiple Choice Questions (MCQs).
3. Part II comprises questions which require descriptive type answers.
4. Ensure that you receive the question paper relating to both the parts. If you have not received both, bring it to the notice of the invigilator.
5. Answers to Questions in Part I are to be marked on the OMR answer sheet only. Answers to questions in Part II are to be written on the descriptive type answer book. Answers to MCQs, if written in the descriptive type answer book, will not be evaluated.
6. OMR answer sheet will be in English only for all candidates, including for Hindi medium candidates.
7. The bar coded sticker provided in the attendance register, is to be affixed only on the descriptive type answer book. No bar code sticker is to be affixed on the OMR answer sheet.
8. You will be allowed to leave the examination hall only after the conclusion of the exam. If you have completed the paper before time, remain in your seat till the conclusion of the exam.
9. Duration of the examination is 3 hours. You will be required to submit (a) Part I of the question paper containing MCQs, (b) OMR answer sheet thereon and (c) the answer book in respect of descriptive type answer book to the invigilator before leaving the exam hall, after the conclusion of the exam.
10. The invigilator will give you acknowledgement on Page 2 of the admit card, upon receipt of the above-mentioned items.
11. Candidate found copying or receiving or giving any help or defying instructions of the invigilators will be expelled from the examination and will also be liable for further punitive action.

PART – II   70 marks

1. Question paper – Part-II comprises **6** questions. Answer Question No. 1 which is compulsory and any **4** out of the remaining 5 questions.

2. Answers to the questions are to be given only in English except in the case of candidates who have opted for Hindi Medium. If a candidate has not opted for Hindi Medium, his/her answers in Hindi will not be evaluated.

PART – II

1. ABC bank is a large bank with more than 4000 branches and 20000 ATMs in India. With an aim to grow further, it has acquired three smaller private banks with similar lines of business. This acquisition has brought a variety of products, applications and branches under its umbrella. Besides consumer banking through brick and mortar branches, ABC bank also wants to consolidate its position through internet banking.

The growth strategy of the Bank has resulted in fragmented business operations that operate in a regional structure as well as a distributed IT environment. Hence ABC bank wishes to implement a new, cutting edge web-based core banking system to manage all its operations from a single window. ABC bank also recognizes that failure or malfunction of any critical system will cause significant operational disruptions and materially impact its ability to provide service to its customers, besides loss of reputation. To overcome this risk, ABC bank plans to implement Business Continuity Management (BCM). You have been appointed as IT consultant by ABC bank to make a presentation to the Board of Directors to justify the need for the new system. Answer the following queries raised by the Management :

(a) What are the key management practices which are required for aligning the IT Strategy of ABC bank with its Enterprise Strategy ?   **6**

(b) What are the IT tools you may consider critical for business growth ?   **5**

(c) Explain the five stages or components of the BCM process which will help ABC bank to manage any future disruptions to the proposed new core banking system.   **3**

2. (a) You are appointed by a leading enterprise to assess and to evaluate its system of IT internal controls. What are the key management practices to be followed to carry out the assignment in compliance with COBIT5 ? **6**

(b) 'There is a practical set of principles to guide the design of measures and indicators to be included in an EIS.' Explain those principles in brief. **5**

(c) What are the common operating system access controls to protect IT resources from unauthorized access ? List any six controls. **3**

3. (a) 'Crimes can be committed by using computers and can damage the stability, reputation, morale and even the existence of an organization.' What are the problems that an organisation can face as a result of computer crimes ? **6**

(b) Risk assessment is an important part of the information systems auditor's planning and implementation. Enumerate the steps followed for a risk based approach to prepare an audit plan and briefly describe how risks are categorized. **5**

(c) The Spiral model is intended for large, expensive and complicated projects. What are the major strengths of this model ? **3**

4. (a) A company has decided to outsource its backup and recovery process to a third-party site. What are the issues that should be considered by the security administrators while drafting the contract ? **6**

(b) As an IS Auditor of a company, you want to use SCARF technique for collecting some information, which you want to utilize for discharging some of your functions. Briefly describe the type of information that can be collected using SCARF technique. **5**

(c) Discuss the 'Use of Electronic Records in Government and its agencies' in the light of Section 6 of Information Technology Act, 2000. **3**

5. (a) Audit is vital, as information systems are vulnerable to destruction, error, abuse and system quality problems. Briefly describe the different types of audit tools. **6**

(b) What is a Knowledge Management System ? Discuss in brief. **5**

(c) COBIT is a set of best practices for Information Technology management which provides a business framework for the governance and management of enterprise Information Technology. Briefly describe its components. **3**

6. (a) What is an information security policy ? What are its different types ? Explain in brief and write a note on the members comprising the security policy. **6**

(b) Discuss any five characteristics of Platform as a Service (PaaS). **5**

(c) Discuss the key components of Mobile Computing in brief. **3**

OR

What is the concept of BYOD ? Explain briefly.

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