

**लोक सेवा आयोग**  
**सिडिएस एण्ड विलयरिङ्ग लिमिटेड, सिडिएससि, साधारण, प्रशासन, छैटौ, अधिकृत पदको खुला**  
**प्रतियोगितात्मक लिखित परीक्षा**  
**२०८०/१२/२७**

पत्र : द्वितीय  
 समय : ३ घण्टा

पूर्णाङ्क : १००

**विषय : अर्थ, वित्त तथा धितोपत्र बजार सम्बन्धी**

प्रत्येक खण्डको उत्तर छुट्टाछुट्टै उत्तरपुस्तिकामा लेख्नुपर्नेछ । अन्यथा उत्तरपुस्तिका रद्द हुनेछ ।

**खण्ड "क"**

**४० अङ्क**

१. आर्थिक विकास (Economic Development) को अवधारणाभाषि प्रकाश पार्दै यसको मापन कसरी गरिन्छ? स्पष्ट गर्नुहोस् । २+३=५
२. नेपालको आर्थिक विकासमा सहकारी क्षेत्रको योगदान चर्चा गर्दै यस क्षेत्रलाई नियमन गर्न के के गर्नुपर्ला? सुझाव पेश गर्नुहोस् । २+३=५
३. नेपालको वैदेशिक व्यापारको पछिल्लो स्थिति र प्रवृत्तिको चित्रण गर्दै यस क्षेत्रको सुधारका उपायहरू सुझाउनुहोस् । २+२+६=१०
४. नेपालको वित्त नीति र मौद्रिक नीतिको कार्यक्षेत्रहरू कसरी निर्धारण गरिएको छ? चर्चा गर्दै यी दुई नीतिबीचको अन्तरसम्बन्ध विश्लेषण गर्नुहोस् । ४+६=१०
५. नेपालका सार्वजनिक निकायमा आन्तरिक नियन्त्रण प्रणाली र आन्तरिक लेखा परीक्षणमा रहेका कमी कमजोरी आँल्याउँदै यिनमा सुधार ल्याउन के गर्न उपयुक्त हुन्छ? सुझाव प्रस्तुत गर्नुहोस् । ५+५=१०

**खण्ड "ख"**

**६० अङ्क**

६. नेपालको पूँजी बजारमा विद्यमान रहेका समस्याहरू पहिचान गर्दै ती समस्याहरूको समाधान गर्न नेपाल धितोपत्र बोर्ड र नेपाल स्टक एक्सचेञ्जमा के-कस्तो संरचनागत सुधार (Structural Reform) को खाँचो रहेको छ? छोटकरीमा लेख्नुहोस् । ३+२=५
७. धितोपत्र सम्बन्धी ऐनले धितोपत्र व्यवसायको वर्गीकरण सम्बन्धी गरेको व्यवस्था उल्लेख गर्नुहोस् । ५
८. क्रेडिट रेटिङ्ग प्रणाली भनेको के हो? जानकारी गराउनुहोस् । नेपालमा यो प्रणालीको अभ्यास कतिको भएको पाउनुहुन्छ? लेखाजोखा गर्दै यस प्रणालीको कार्यान्वयनबाट हुने फाइदा र बेफाइदाको चर्चा गर्नुहोस् । ३+३+४=१०
९. सिडिएस एण्ड विलयरिङ्ग लिमिटेडको काम, कर्तव्य र अधिकार उल्लेख गर्नुहोस् । साथै, यस संस्थाले भोगेका समस्या तथा चुनौतीको चर्चा गर्दै समस्या समाधानका उपायहरू प्रस्तुत गर्नुहोस् । ३+४+३=१०
१०. धितोपत्र बजारमा केन्द्रीय निक्षेप प्रणालीको भूमिका र यसको वर्तमान अवस्थाको वस्तुगत विश्लेषण गर्दै केन्द्रीय निक्षेप प्रणालीमा निक्षेप गरिएका धितोपत्रहरू कारोबार गर्ने प्रक्रिया उल्लेख गर्नुहोस् । ३+३+४=१०
११. कम्पनी ऐन, २०६३ बमोजिम कम्पनी संस्थापना गर्न चाहने व्यक्तिले कम्पनी स्थापनाको लागि पूरा गर्नुपर्ने प्रक्रिया विस्तृतमा जानकारी गराउनुहोस् । १०
१२. सार्वजनिक खरिद ऐन, २०६३ बमोजिम सार्वजनिक निकायले वस्तु तथा सेवा खरिद गर्दा अवलम्बन गर्नुपर्ने विधिहरूको चर्चा गर्नुहोस् । १०

:: समाप्त ::

लोक सेवा आयोग  
सिडिएस एण्ड विलयरिङ्ग लिमिटेड, सिडिएससि, प्राविधिक, छैटौ, आई.टी. अधिकृत पदको खुला  
प्रतियोगितात्मक लिखित परीक्षा  
२०८०/१२/२३

पत्र : द्वितीय  
समय : ३ घण्टा

पूर्णाङ्क : १००

विषय : **Information Technology, Capital Market and Related Legislations**

प्रत्येक Section को उत्तर छुट्टाछुट्टै उत्तरपुस्तिकामा लेख्नुपर्नेछ । अन्यथा उत्तरपुस्तिका रद्द हुनेछ ।

- Section "A" 40 Marks**
1. Explain the architecture of a computer system with the help of a block diagram. 5
  2. Differentiate between Network OS and Distributed OS. 5
  3. Explain how linear and binary searches work. Compare them in terms of time complexities. 10
  4. Explain how normalization helps to ensure the consistency and integrity of database. Illustrate the role of Data Warehousing and Data Mining in the large data centric organization. 5+5=10
  5. Define e-commerce and e-business. Describe the role of EDI in e-commerce and its advantage. Also, provide the real life example of B2B and G2G application in Nepal and explain how electronic payment system is helping it to make it productive. 10

- Section "B" 40 Marks**
6. What is Firewall? How does it work? Explain. 1+4=5
  7. Discuss the provisions relating to Electronic Record and Digital Signature in Electronic Transactions Act, 2063. 5
  8. Describe spiral software development model. When do you prefer this model? Explain. 6+4=10
  9. Describe Control file and Redo Log Management with example. State the common features of Automatic Workload Repository (AWR) and Automatic Database Diagnostic Monitor (ADDM) with a suitable case. 10
  10. List out major duties of a network administrator and explain any one of them in detail. 4+6=10

- Section "C" 20 Marks**
11. Many corporations raise funds through issuing shares in primary markets, however, investors liquidate these shares in secondary markets. How is this possible in the country? Write on the basis of the role of SEBON in Nepali capital market. 5
  12. Explain the major features of Securities Act, 2063 and outline the major instruments available in Nepali capital market. 3+2=5
  13. Assess the role of CDSC in the development of capital market. Also, specify the issues and challenges related to it and provide practical solutions in order to resolve these challenges. 4+3+3=10

- The End -

लोक सेवा आयोग  
सिडिएस एण्ड क्लियरिङ लिमिटेड, सिडिएससि, साधारण, प्रशासन, छैटौ, अधिकृत पदको खुला  
प्रतियोगितात्मक लिखित परीक्षा  
२०८०/१२/२६

पत्र : प्रथम  
समय : २ घण्टा १५ मिनेट

पूर्णाङ्क : १००

विषय : सामान्य ज्ञान र अभिरुची परीक्षण तथा प्रशासन र व्यवस्थापन

विषयगत

समय: १ घण्टा ३० मिनेट

अङ्क: ५०

१. कुनै पनि संगठनको संगठन तथा व्यवस्थापन सर्वेक्षण (O & M Survey) गर्दा मूलतः कुन कुन विषयवस्तुको विश्लेषण गरिन्छ? चर्चा गर्नुहोस् । ५
२. संगठनमा निर्णयको आवश्यकता दर्शाउँदै निर्णय प्रक्रियाका चरणहरू उल्लेख गर्नुहोस् । २+३=५
३. संगठनात्मक व्यवहारको सैद्धान्तिक अवधारणा स्पष्ट गर्नुहोस् । साथै, संगठनात्मक व्यवहारको अध्ययनलाई योगदान गर्ने विधाहरू (Disciplines) माथि प्रकाश पार्नुहोस् । ४+६=१०
४. विपद् व्यवस्थापन भनेको के हो? नेपालमा विपद् व्यवस्थापनका लागि गरिएको संरचनात्मक व्यवस्था उल्लेख गर्दै विपद् व्यवस्थापन अपेक्षित रूपमा प्रभावकारी हुन नसक्नुका कारणहरू लेख्नुहोस् । २+४+४=१०
५. अधिकार प्रत्यायोजन तथा अधिकार निक्षेपणका बारे जानकारी प्रस्तुत गर्नुहोस् । यी दुईबीच के के समानता तथा भिन्नताहरू रहेका छन्? प्रकाश पार्नुहोस् । ४+६=१०
६. व्यवस्थापन सूचना प्रणालीको परिचय दिँदै संगठनमा यसको महत्त्व लेख्नुहोस् । यस प्रणालीको प्रयोगमा देखिने जोखिमहरू आँकलन गर्दै ती जोखिम घटाउने उपाय प्रस्तुत गर्नुहोस् । २+३+२+३=१०

:: समाप्त ::

लोक सेवा आयोग  
सिडिएस एण्ड क्लियरिङ लिमिटेड, सिडिएससि, प्राविधिक, छैटौं, आई.टी. अधिकृत पदको खुला  
प्रतियोगितात्मक लिखित परीक्षा  
२०८०/१२/२२

KEY [B]

पत्र : प्रथम

समय : ४५ मिनेट

पूर्णाङ्क : १००

विषय : Information Technology, Capital Market and Related Legislations

उत्तरपुस्तिकामा प्रश्नपत्रको KEY अनिवार्य रूपले उल्लेख गर्नुपर्नेछ । उल्लेख नगरेमा उत्तरपुस्तिका रद्द हुनेछ । परीक्षामा calculator, mobile प्रयोग गर्न पाइनेछैन ।

**Multiple Choice**

50x2=100 Marks

1. An organization can minimize cost in ICT infrastructure by using which of the following technology?  
A) VPN                      B) Cloud                      C) Wireless                      D) Data collocation
2. An enterprise system that integrates the upstream value chain is .....  
A) ERP                      B) SAP                      C) CRM                      D) SCM
3. Which of the following is not a technology driver for an Information System?  
A) Knowledge Asset Management                      B) Networks and the Internet  
C) Object Technologies                      D) Enterprise Applications
4. Management Information System (MIS) is a system that .....  
A) uses the transaction data for day-to-day office activity  
B) reproduces the knowledge of an expert problem solver  
C) produces information needed by managers to run the business  
D) is used for planning and assessment needed for executive management
5. Which of the following is not a function of an Operating System?  
A) Opening files                      B) Editing files                      C) Copying files                      D) Printing files
6. The circular wait condition can be prevented by .....  
A) defining a linear ordering of resource types  
B) using threads  
C) using pipes  
D) using sockets
7. A command interpreter is called .....  
A) prompt                      B) kernel                      C) shell                      D) command
8. Which of the following statements are true?  
i) Shortest remaining time first scheduling may cause starvation.  
ii) Preemptive scheduling may cause starvation.  
iii) Round robin is better than FCFS in terms of response time.  
A) i and ii only                      B) i and iii only                      C) ii and iii only                      D) i, ii and iii
9. What is the major drawback of the Spiral Model?  
A) Higher amount of risk analysis  
B) Doesn't work well for smaller project  
C) Functionalities are added later on  
D) Strong approval and documentation control
10. Regression testing is primarily related to ..... testing.  
A) Data Flow                      B) Functional                      C) Development                      D) Maintenance
11. Which of the following is not an indirect measure of software product?  
A) Quality                      B) Complexity                      C) Reliability                      D) Marketability

Contd...

12. Which of the following is not involved in the system planning and designing phase of the Software Development Life Cycle (SDLC)?  
A) Application document                      B) Specification freeze  
C) Parallel run                                      D) Sizing
13. The network topology best suited for large business which must carefully control and coordinate the operation of distributed branch outlets is .....  
A) Ring                      B) Local area                      C) Hierarchical                      D) Star
14. Which of the followings are the basic three topologies associated with LANs?  
A) Bus, Ring and Star                      B) Bus, Tree and Ring  
C) Bus, Ring and Mesh                      D) Mesh, Tree and Ring
15. Which of the following methods is used to broadcast two packets on the medium at a time?  
A) Collision                      B) Synchronous                      C) Asynchronous                      D) None of the above
16. Which of the following layers moves the data through the inter network by encapsulating the data and attaching a header to create a packet?  
A) Data-Link Layer                      B) Network Layer                      C) Physical Layer                      D) Transport Layer
17. The license to provide internet services to general public in Nepal is issued by .....  
A) Ministry of Communication and Information Technology  
B) Nepal Police  
C) National Information Technology Center  
D) Nepal Telecommunication Authority
18. One of the goals of ICT Policy, 2072 is to ensure access to broadband service for ..... percent people by 2020 AD.  
A) 75                      B) 80                      C) 90                      D) 100
19. The cyber crime issues are mostly addressed in .....  
A) Nepal Cyber Crime Act, 2057                      B) IT Policy of Nepal, 2000  
C) Nepal Cyber Security Act, 2080                      D) Electronic Transactions Act, 2063
20. As per the Electronic Transactions Act, IT Tribunal is composed of ..... members.  
A) 3                      B) 5                      C) 7                      D) 9
21. COMMIT and ROLLBACK commands are ..... control commands.  
A) Data access                      B) Transaction                      C) Table                      D) File
22. Which of the following modes is not valid for locking table in Oracle?  
A) ROW SHARE                      B) SHARE                      C) EXCLUSIVE                      D) INCLUSIVE
23. What is used to execute STARTUP and SHUTDOWN commands while starting up a database?  
A) Recovery Manager                      B) Enterprise Manager  
C) Security Manager                      D) SQL\*Plus
24. Which of the following is the smallest unit of storage in an Oracle database?  
A) Segment                      B) Data Block                      C) Data File                      D) Extent
25. What type of DNS record is the record that points out the location of the mail server?  
A) SOA                      B) SVR                      C) MX                      D) PTR
26. Which of the following command is used for creating a new group in Linux?  
A) Addgroup                      B) groupadd                      C) addgrp                      D) chgroup
27. An attempt to make a computer resource unavailable to its intended users is called .....  
A) Denial-of-service attack                      B) Virus attack  
C) Worms attack                      D) Botnet process
28. Network layer firewall works as a ..... filter.  
A) frame                      B) packet                      C) content                      D) virus



44. The keyword used to prevent any changes in the variable within a C program is .....
- A) immutable      B) mutable      C) const      D) volatile
45. Which class cannot create its instance?
- A) Abstract class      B) Anonymous class      C) Nester class      D) Parent class
46. Consider a situation where swap operation is very costly. Which of the following sorting algorithms should be preferred so that the numbers of swap operations are minimized in general?
- A) Heap Sort      B) Selection Sort      C) Insertion Sort      D) Merge Sort
47. A foreign key combined with a primary key creates .....
- A) Network model between the tables that connect them  
B) Parent-Child relationship between the tables that connects them  
C) One to many relationship between the tables that connects them  
D) Hierarchical model between the tables
48. Rows of a relation are known as the .....
- A) Entity      B) Degree      C) Tuples      D) Attributes
49. The activity of choosing an efficient execution strategy for processing a query is called as .....
- A) Query execution      B) Query optimization  
C) Query plan evaluation      D) Query parsing
50. Which of the following helps business managers to predict future trends and behaviours in order to make proactive knowledge driven decision?
- A) Metadata      B) Data Warehousing  
C) Data Mining      D) Microdata

- The End -

उत्तरपुस्तिकामा KEY अनिवार्य रूपमा लेख्नुहोला ।

लोक सेवा आयोग  
सिडिएस एण्ड विलयरिङ्ग लिमिटेड, सिडिएससि, साधारण, पाँचौ, वरिष्ठ सहायक पदको खुला  
प्रतियोगितात्मक लिखित परीक्षा  
२०८०/१२/२४

पत्र : प्रथम  
समय : २ घण्टा

पूर्णाङ्क : १००

विषय : सामान्य ज्ञान र अभिरुची परीक्षण तथा प्रशासन र व्यवस्थापन

- | विषयगत   | समय: १ घण्टा १५ मिनेट |
|--|-----------------------|
|  | अङ्क: ५०              |
| १. कर्मचारीलाई उत्प्रेरित गर्न के-कस्ता गैर मौद्रिक उपाय अवलम्बन गर्न सकिन्छ? संक्षेपमा प्रकाश पार्नुहोस् ।  | ५                     |
| २. सुपरिवेक्षणको परिचय दिनुहोस् । साथै, असल सुपरिवेक्षकमा के-कस्ता गुणहरू हुनुपर्छ? उल्लेख गर्नुहोस् ।   | २+३=५                 |
| ३. अभिलेखको परिचय दिंदै अभिलेख व्यवस्थापनको महत्व संक्षेपमा चर्चा गर्नुहोस् ।  | २+३=५                 |
| ४. बैंक नगदी किताबको परिचय दिनुहोस् । बैंक नगदी किताबले संगठनलाई के-कस्तो जानकारी प्रदान गर्दछ? उल्लेख गर्नुहोस् ।   | २+३=५                 |
| ५. सार्वजनिक उत्तरदायित्वको परिचय दिंदै सार्वजनिक उत्तरदायित्व बढाउने उपायहरू के के हुन सक्छन्? चर्चा गर्नुहोस् ।  | ३+७=१०                |
| ६. द्वन्द्व व्यवस्थापन भनेको के हो? जानकारी गराउँदै संगठनमा द्वन्द्व व्यवस्थापन गर्नु किन आवश्यक छ? प्रष्ट पार्नुहोस् । साथै, द्वन्द्व व्यवस्थापनका लागि के-कस्ता विधि/उपायहरूको उपयोग गर्न सकिन्छ? संक्षेपमा उल्लेख गर्नुहोस् । | ३+३+४=१०              |
| ७. नेपालमा सरकारी बजेट प्रणालीको सम्बन्धमा संक्षेपमा चर्चा गर्दै बजेट तर्जुमा गर्दा ध्यान दिनुपर्ने पक्षहरू लेख्नुहोस् ।   | ४+६=१०                |

:: समाप्त ::

लोक सेवा आयोग  
सिडिएस एण्ड क्लियरिङ लिमिटेड, सिडिएससि, प्राविधिक, पाँचौं, वरिष्ठ कम्प्युटर अपरेटर पदको खुला  
प्रतियोगितात्मक लिखित परीक्षा  
२०८०/१२/२९

पत्र : द्वितीय  
समय : २ घण्टा ३० मिनेट

पूर्णाङ्क : १००

विषय : **Information Technology and Related Legislations**

प्रत्येक Section को उत्तर छुट्टाछुट्टै उत्तरपुस्तिकामा लेख्नुपर्नेछ । अन्यथा उत्तरपुस्तिका रद्द हुनेछ ।

- | Section "A"  | 40 Marks |
|--|----------|
| 1. Differentiate multiprocessing and multiprogramming operating system.  | 5        |
| 2. What do you prefer; procedure oriented or object oriented programming approach? Justify your answer.  | 5        |
| 3. Compare between RISC and CISC architecture. Describe why cache memory mapping is best.  | 5+5=10   |
| 4. What are uses of static, auto, register and extern keywords while defining a function? Write a program in C to demonstrate the use of static function.  | 4+6=10   |
| 5. Define an operating system. What is meant by the term "time sharing operating system"? Why is time sharing operating system used? Explain.  | 3+4+3=10 |
| Section "B"  | 40 Marks |
| 6. Describe Second Normal Form (2NF). Why do you need to normalize a database? Explain.  | 2+3=5    |
| 7. With the help of suitable diagram, describe various network topologies.   | 5        |
| 8. Explain the differences between Data Warehousing and Data Mining. Explain the process of Knowledge Discovery in Databases (KDD).  | 4+6=10   |
| 9. Describe the process of creating Software Requirements Specifications (SRS). Discuss the key components of SRS document and explain why it is essential for successful software development projects. Compare and contrast between Data Flow Diagrams (DFDs) and Entity-Relationship (E-R) diagrams as tools used in system design. | 4+3+3=10 |
| 10. Discuss the importance of OSI Reference Model. Briefly explain each of the layers of OSI Reference Model.  | 3+7=10   |
| Section "C"  | 20 Marks |
| 11. What is E-commerce? List out the major provisions related to Small and Middle Size Enterprises (SME) in the ICT Policy, 2072.  | 2+3=5    |
| 12. How can social media be a threat to an organization? What measures can be taken to avoid social media threats? Explain briefly.  | 2+3=5    |
| 13. Introduce CDS and Clearing Limited. Explain its function, roles and responsibilities.  | 3+7=10   |

- The End -

लोक सेवा आयोग  
सिडिएस एण्ड क्लियरिङ्ग लिमिटेड, सिडिएससि, प्राविधिक, पौडौ, वरिष्ठ कम्प्युटर अपरेटर पदको खुला  
प्रतियोगितात्मक लिखित परीक्षा  
२०८०।१२।२८

KEY [A]

पत्र : प्रथम  
समय : ४५ मिनेट

पूर्णाङ्क : १००

विषय : Information Technology and Related Legislations

उत्तरपुस्तिकामा प्रश्नपत्रको KEY अनिवार्य रूपले उल्लेख गर्नुपर्नेछ । उल्लेख नगरेमा उत्तरपुस्तिका रद्द हुनेछ । परीक्षामा calculator, mobile प्रयोग गर्न पाइनेछैन ।

**Multiple Choice**

50x2=100 Marks

1. The power efficient computer architecture is .....  
A) RISC                      B) ISA                      C) IANA                      D) CISC
2. .... register keeps track of how instructions are being executed.  
A) Instruction              B) Program counter      C) Memory address      D) Memory data
3. Which of the following is not considered as the direct entry input device?  
A) Optical scanner                      B) Mouse and digitizer  
C) Light pen                      D) Data files from other source
4. The clock speed of a CPU measures .....  
A) the size of cache in CPU              B) the processing speed of CPU  
C) the amount of RAM in CPU              D) the number of CPUs
5. The collection of 8-bits is called .....  
A) Byte                      B) Nibble                      C) Word                      D) Record
6. The .... provide fastest data access.  
A) Caches                      B) DRAMs                      C) SRAMs                      D) Registers
7. Which of the following is a part of computer that stores data and information temporarily?  
A) ROM                      B) RAM                      C) DISK                      D) CD ROM
8. The full form of USB is .....  
A) Universal Sequential Bus                      B) Universal Serial Bus  
C) Universal Serial Batch                      D) United Sequential Bus
9. Which of the following input/output devices is not associated with personal computers?  
A) Mice                      B) Color monitors      C) Punched cards      D) Dot-matrix printers
10. Method which uses a list of well-defined instructions to complete a task starting from a given initial state to end state is called as .....  
A) Program                      B) Flowchart                      C) Algorithm                      D) Pseudocode
11. The more effective way of calling the C++ functions is call by .....  
A) object                      B) pointer                      C) value                      D) reference
12. The output of the statement "printf("%d", (a++))" is .....  
A) Value of (a + 1)      B) Current value of a      C) Error message      D) Garbage
13. The "new" operator in C++ .....  
A) creates new class                      B) defines new data type  
C) allocates memory on stack                      D) allocates memory on heap
14. What is the maximum number of dimensions an array in C may have?  
A) Two  
B) Eight  
C) Sixteen  
D) Theoretically no limit. The only practical limits are memory size and compilers

Contd...

15. Which of the following is the HTML tag used to create a hyperlink?  
A) <link>                      B) <href>                      C) <a>                      D) <hyperlink>
16. Which CSS property is used to control the text size of an element?  
A) font-style                      B) text-size                      C) font-size                      D) text-style
17. System software acts as a bridge between the hardware and ..... software.  
A) utility                      B) operating                      C) processing                      D) application
18. Which of the following CPU scheduling algorithm is based on quantum?  
A) Shortest Job First                      B) First In First Out  
C) Round Robin                      D) Shortest Remaining Time
19. Operating system maintains the page table for each .....  
A) thread                      B) process                      C) address                      D) instruction
20. Run time mapping from virtual to physical address is done by .....  
A) Memory Management Unit                      B) CPU  
C) PCI                      D) Memory Bus
21. The database management system .....  
A) is a collection of queries                      B) is a high-level language  
C) is a programming language                      D) stores, modifies and retrieves data
22. A composite key is .....  
A) required when a table does not have any unique fields in it  
B) the primary key with AutoNumber as the field type  
C) made up of two or more fields to uniquely identify records  
D) is a foreign key that uniquely identifies records
23. Which of the following operations does not preserve non-matched tuples?  
A) Inner Join                      B) Natural Join                      C) Left Outer Join                      D) Right Outer Join
24. COMMIT and ROLLBACK commands are ..... control commands.  
A) Data access                      B) Transaction                      C) Table                      D) File
25. Which of the following is not a characteristic of OLAP (Online Analytical Processing)?  
A) It is optimized for complex queries  
B) It is used for decision support and data analysis  
C) It focuses on real-time transaction processing  
D) It involves multidimensional data analysis
26. Which normal form ensures that there are no repeating groups in a relation?  
A) 1NF                      B) 2NF                      C) 3NF                      D) BCNF
27. The essential process in which the intelligent methods are applied to extract data patterns is called .....  
A) Warehousing                      B) Data Mining                      C) Text Mining                      D) Data Selection
28. Which of the following is not a part of software process?  
A) Development                      B) Specification                      C) Validation                      D) Dependence
29. Which of the following models is not suitable for accommodating any change?  
A) Build and Fix Model                      B) Prototyping Model  
C) RAD Model                      D) Waterfall Model
30. In the context of e-commerce, which transaction type involves business selling goods or services directly to consumers over the internet?  
A) B2B                      B) B2C                      C) C2C                      D) G2G
31. Debugging in software engineering is known as .....  
A) creating an algorithm  
B) creating program code  
C) identifying the tasks to be computerized  
D) finding and correcting errors in program code

32. What is the primary purpose of Software Requirements Specification (SRS) document?  
A) To provide a detailed description of the software architecture  
B) To outline the testing procedures for the software product  
C) To document the functional and non-functional requirements of the software  
D) To list the programming languages used in the software development
33. Which of the following testing levels focuses on customer usages?  
A) Alpha testing      B) Beta testing      C) Both A and B      D) Validation testing
34. Regression testing is primarily related to ..... testing.  
A) Data flow      B) Functional      C) Development      D) Maintenance
35. What is the full form of OSI with reference to computer network?  
A) Open Service Internet      B) Optical Service Internet  
C) Open System Interconnection      D) Open System Internet
36. Which of the following is not a function of network layer?  
A) Congestion control      B) Error control  
C) Routing      D) Inter-networking
37. What is the full form of HTTP?  
A) Hyper Text Transfer Package      B) Hyper Text Transfer Protocol  
C) Hyphenation Text Test Program      D) Hyper Test Transmission Program
38. What is the first line of HTTP request message?  
A) Request line      B) Header line      C) Status line      D) Payload
39. .... layer moves the data through the inter-network by encapsulating the data and attaching a header to create a packet.  
A) Data-link      B) Network      C) Physical      D) Transport
40. What is the primary function of a firewall in a computer network?  
A) To provide wireless connectivity  
B) To encrypt data transmissions  
C) To filter incoming and outgoing network traffic  
D) To manage IP addresses
41. The main function of the CDS and Clearing Limited is .....
- A) stock broking and issue management  
B) centralized depository, clearing and settlement of securities  
C) registrar and transfer agents (RTA) service  
D) provide margin loan against share
42. What does C-KYC stand for?  
A) Computerized Know Your Customer      B) Centralized Know Your Customer  
C) Computerized Know Your Client      D) Clearing Know Your Customer
43. Which of the following is false regarding the records and documents to be maintained by every depository participant?  
A) Details about identity of beneficiary and proof documents of it  
B) Details about materialization or dematerialization of securities and details about the accounts provided to the beneficiary  
C) The depository participant shall keep the records and documents safe at least seven years  
D) None of the above
44. Which of the following tools is used with C-ASBA?  
A) Meroshare      B) Shareasba      C) Mero Kitta      D) Mero Dhitopatra

45. CDS and Clearing Limited, a company established under the company act is a company promoted by .....
- A) Securities Board of Nepal  
B) Nepal Rastra Bank  
C) Nepal Stock Exchange  
D) Nepal Clearing House Limited
46. Which of the following is the mission of IT Policy, 2072 of Nepal?
- A) To promote ICT to further productivity among the sectors that is key drivers of the national economy  
B) To promote research and innovation on the role of ICT on the resilience of low income communities amid potential environmental, economic and social shocks  
C) To create conditions for the intensified development and growth of ICT sector as a key driver for Nepal's sustainable development and poverty reduction strategies  
D) To create easily accessible, affordable and innovative public access points under comprehensive community/village network initiative
47. Which of the following agencies was established in 2031 BS to manage computer by Government of Nepal?
- A) National Information and Technology Center  
B) High Level Commission for Information Technology  
C) Department of Information Technology  
D) National Computer Center
48. What does Unicode Nepali refer to?
- A) Lower resource usage  
B) A standardized encoding system for representing Nepali characters digitally  
C) Higher quality font rendering  
D) None of the above
49. Which of the following is the first computer used by the Government of Nepal?
- A) Apple II  
B) Dell 1st Generation  
C) IBM 1st Generation  
D) IBM 2nd Generation
50. Nowadays social engineering attacks like Phishing, Smishing, Pretexting are increasing in Nepal. What can be the appropriate measure to avoid such incidents?
- A) Use of firewall  
B) Cyber security awareness  
C) Use of VPN  
D) Use of Antivirus

- The End -

उत्तरपुस्तिकामा KEY अनिवार्य रूपमा लेख्नुहोला ।

लोक सेवा आयोग  
सिडिएस एण्ड विलयरिङ्ग लिमिटेड, सिडिएससि, साधारण, पाँचौ, वरिष्ठ सहायक पदको खुला  
प्रतियोगितात्मक लिखित परीक्षा  
२०८०।१२।२५

पत्र : द्वितीय  
समय : २ घण्टा ३० मिनेट

पूर्णाङ्क : १००

विषय : अर्थ, वित्त तथा धितोपत्र बजार सम्बन्धी

प्रत्येक खण्डको उत्तर छुट्टाछुट्टै उत्तरपुस्तिकामा लेख्नुपर्नेछ । अन्यथा उत्तरपुस्तिका रद्द हुनेछ ।

खण्ड "क"

४० अङ्क

१. नेपालको आर्थिक विकासका प्रमुख सूचकहरूको अवस्था लेख्नुहोस् । ५
२. निजीकरण भनेको के हो? निजीकरण ऐन, २०५० अनुसार निजीकरण गर्ने प्रक्रियाहरू के के रहेका छन्? लेख्नुहोस् । २+३=५
३. सार्वजनिक वित्त नीतिको परिचय दिनुहोस् । यसका प्रमुख विशेषताहरू उल्लेख गर्दै मुलुकको आर्थिक विकास र गरिबी निवारणमा वित्त नीतिले पार्ने प्रभाव उल्लेख गर्नुहोस् । २+३+५=१०
४. नेपालको अर्थतन्त्रमा बैंक तथा वित्तीय संस्थाको भूमिका चर्चा गर्दै हाल नेपालको वित्तीय प्रणालीमा देखिएका समस्या र चुनौती उल्लेख गर्नुहोस् । साथै, पहिचान भएका समस्या समाधानका लागि के-कस्तो उपाय अवलम्बन गर्नुपर्ला? सुझाव दिनुहोस् । ३+३+४=१०
५. औद्योगिक वातावरण भनेको के हो? नेपालमा औद्योगिक वातावरण र लगानीको विद्यमान अवस्था जानकारी गराउँदै लगानीको वातावरण अझ उपयुक्त बनाउन के गर्नुपर्ला? व्यावहारिक र कार्यान्वयनयोग्य सुझाव दिनुहोस् । ३+३+४=१०

खण्ड "ख"

६० अङ्क

६. आयकर ऐन, २०५८ अनुसार रोजगारीबाट भएको आय गणना गर्दा कुन कुन भुक्तानीलाई समावेश गर्नुपर्छ? उल्लेख गर्नुहोस् । ५
७. नेपालको धितोपत्र कारोबार प्रणालीबाट हुने प्रतिफल र जोखिम उल्लेख गर्नुहोस् । ५
८. कम्पनी ऐन, २०६३ का मुख्य मुख्य विशेषताहरू उल्लेख गर्नुहोस् । साथै, नेपालको औद्योगिकीकरणमा कम्पनी ऐनले कतिको सघाएको छ? छलफल गर्नुहोस् । ५+५=१०
९. धितोपत्र केन्द्रीय निक्षेप सेवा विनियमावली, २०६८ अनुसार अस्थायी राफसाफ खाता भनेको के हो? उल्लेख गर्दै सिडिएससिले निक्षेप सदस्यको सदस्यता खारेज गर्न नेपाल धितोपत्र बोर्डमा सिफारिस गर्न सक्ने अवस्थाहरू लेख्नुहोस् । ३+७=१०
१०. धितोपत्र भनेको के हो? नेपालमा धितोपत्र बजारको विकासक्रम संक्षेपमा उल्लेख गर्दै यसको हालको अवस्था चित्रण गर्नुहोस् । २+३+५=१०
११. सिडिएस एण्ड विलयरिङ्ग लिमिटेडको काम, कर्तव्य र अधिकार संक्षेपमा उल्लेख गर्दै यसले भोगिरहेका चुनौती कसरी सामना गर्नुपर्ला? सुझाव दिनुहोस् । ५+५=१०
१२. नेपालमा वस्तु बजारको अवस्था जानकारी गराउँदै वस्तु बजारको नियमनका लागि गरिएका संस्थागत र नीतिगत व्यवस्था उल्लेख गर्नुहोस् । वस्तु बजार विस्तारका लागि के-कस्ता प्रयास आवश्यक देखिन्छन्? चर्चा गर्नुहोस् । २+३+५=१०

:: समाप्त ::