DIP–216       DCC–01


WEB APPLICATION DEVELOPMENT

Time: 3 hours  Maximum marks: 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Discuss about HTML tags.

2. Explain about the Java Script libraries.

3. Write a short note on UDP sockets.

4. What is cookies? Explain about it.

5. Explain about SOAP protocol.

6. Give an overview on Java EE design pattern.

7. Explain the new features of servlet 3.1 and JSP 2.5.
PART B — \((5 \times 10 = 50\) marks)

Answer any FIVE questions.

8. Explain in detail about the XML technologies.
10. Explain about JavaMail API.
11. Illustrate the Java beans in detail.
12. Describe about the JDBC database connectivity.
13. Explain about the Model View Controller (MVC) framework.

___________
PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. List out the challenges of Cloud Computing.

2. Explain the advantages of Cloud Architecture.

3. What are all the tools used to manage cloud service deployment?

4. Explain about the Amazon application development environments.

5. How to adopt cloud computing architecture? Analyse.

6. Write a short note on Cloud Economics.

7. Write a short note on Disaster Recovery.
PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Explain about the different types of Cloud.

9. How to deploy the web services outside the cloud architecture?

10. Explain about the cloud service management

11. Describe about Google app application development.

12. How to decide if the cloud is right for your requirements

13. Explain about the role of virtualization in enabling cloud.

14. Explain about the cloud service provider in detail (any 3).
DIP–219  DCC–03

DIPLOMA EXAMINATION —
JUNE, 2018.

CLOUD STORAGE INFRASTRUCTURE

Time : 3 hours                Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain the significance of Private clouds.

2. What are the issues in virtual machine?

3. List the standards of SANs and Explain.

4. Discuss on challenges of global nature of clouds.

5. What is disaster recovery of data? Explain

6. Give an account on ecosystem of private clouds.

7. What are the two types of SAN? And explain any one in detail.
PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Give an account on different types of cloud infrastructure.


10. With diagram explain the architecture of SAN.

11. With an example explain CDN.

12. Explain the role of disaster recovery in cloud storage systems.

13. Give an account on components on iSCSI Cloud.

14. Describe replication strategies
PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Explain about the Data Center Design Models.

2. With neat diagram explain the Top-of-Rack Architecture.


4. Explain about the Spanning Tree Protocol (STP).

5. Write a short note on Internet Protocol (IP).

6. Why should we build a Hybrid Cloud?

7. Explain about the Data Center Cabling Infrastructure.
PART B — (5 x 10 = 50 marks)

Answer any FIVE questions.

8. Give an detailed account on greenhouse gas emissions.

9. Write a short note on Horizontal cabling and backbone cabling.

10. Explain the types of server clusters.

11. Illustrate the Map Address mapping.

12. How to Mix the RBridges with Bridges. Explain.

13. Illustrate 40 Gigabit Ethernet Architecture in detail.

CLOUD SECURITY

Time : 3 hours  Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.


2. Write a short note on Malware.

3. Write a short note on Virtualization System-Specific Attacks.

4. Write a short note on :
   (a) File Access
   (b) Registry Access.

5. Explain about the public key Infrastructures.

6. Explain about the legal and Compliance issues.

7. Explain about the cloud provider.
PART B — (5 × 10 = 50 marks)

Answer any FIVE questions.

8. Give a detailed account on Public-Key Cryptography.


10. Explain about the management server attacks.

11. List out the challenges in DLP solutions.

12. Summarize the Right to penetration test.

13. Discuss about Backup and Recovery.

14. Explain about the virtualization vulnerabilities.
1. The two kinds of coping are problem focused coping and

   (a) knowledge coping

   (b) exercise based

   (c) emotion focused coping

   (d) positive action
2. The two types of influences are external and
   (a) internal influence (b) psychological
   (c) media  (d) religious
   (A) மேல் வாய்ப்பு (B) உட்கூடு
   (C) சிறுத்து (D) வண்ணமுறை

3. The inner layer of life is
   (a) emotional  (b) academic
   (c) film and media (d) communal
   (A) எண்ணையான (B) வலமுறை
   (C) சிறிது (D) வண்ணமுறை
4. The importance of high self esteem is to
   (a) ineffective        (b) accept challenges
   (c) incompetent        (d) feeling bored

5. Self acceptance is
   (a) hating oneself     (b) loving oneself
   (c) accepting myself   (d) hiding oneself

6. Positive attitude put us into a better frame of mind
   (a) to face problems   (b) to be tough
   (c) to avoid people    (d) to create problems
7. A goal is defined as a
(a) fear    (b) target
(c) anger   (d) tiredness

8. Achieving what you want is called
(a) happiness (b) feeling
(c) success   (d) life
9. Characteristics of a successful leader is
(a) knowing himself first
(b) not respecting his members
(c) not accepting other's views
(d) not thinking of others

10. Team work means
(a) questioning
(b) asking ideas
(c) providing opportunities
(d) all the above
11. Shyness means
(a) feeling insecure  (b) friendly
(c) self confidence  (d) satisfaction

12. Loneliness makes ———— oneself.
(a) proud  (b) low self esteem
(c) jobless  (d) conflict

13. During fear adrenal glands releases from the
(a) heart  (b) nervous system
(c) stomach  (d) hands and legs
14. Anger is generally a ———— feeling.
   (a) ignorance  (b) healthy
   (c) insecure    (d) highest

15. ———— may be good or pointing out the wrong.
   (a) fear       (b) anger
   (c) criticism  (d) decision making

16. Depression causes
   (a) poor concentration
   (b) happiness
   (c) active work
   (d) increase in body weight
17. To make our work place comfortable
   (a) to stand for the right
   (b) not to talk
   (c) lack of concentration
   (d) lack of interest

18. Managing time is known as
   (a) situation   (b) time management
   (c) work       (d) time table
19. Some obstacles to success
   (a) ego  (b) well planning
   (c) responsible  (d) setting goals

20. Physical stress is an immediate threat to our
   (a) physical being  (b) emotion
   (c) experience  (d) situation

SECTION B — (5 x 5 = 25 marks)
Answer any FIVE questions.

21. Bring out the five positive and five negative ways
    of life coping.

9    VDP-101
22. What is Motivation? Depict the hierarchy of human needs according to Abraham Maslow.

23. What is success? What are the qualities that make a person successful?

24. What is Depression? What are the symptoms of depression?

25. What is Anger? What happens when you are angry?

26. What is Team work? What do you learn from a team?
27. What are the different kinds of fear? How will you overcome fear?

பழுக்காள் பணியாள வாதத்துப்பகுதி? பழுக்காள் வருமாறு வழிபடுத்துவது கேள்வி.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

28. What is change? What are the twelve steps to implement change?

மாற்றம் வாய்ந்தது? மாற்றம் வெளிப்படுத்துவதில் கொண்டால் மாற்றம் வடிவமைப்பது வழியாறு வாய்ந்தது?

29. What is AIDS? What are the symptoms of AIDS? What are the causes for HIV transmission? How is HIV diagnosed?

ஆயிரம் வாய்ந்தது? ஆயிரம் வாய்ந்ததில் வருமாறு உயர்வாய்ந்தது வாய்ந்தது நழுவப்படுத்துவது வழியாறு வாய்ந்தது.

30. Define Personality. Explain the characteristics and elements of Personality.

அவைகள் கிளை வாய்ந்தது? அவைகள் கிளைகள் கிளையாய்வகத்தில் வாய்ந்து ஆய்வரை வடிவமைக்கும் வழியாறு வாய்ந்தது.
31. What is Stress? What are the two types of stress? How does stress affect you? How to manage stress?

32. How will you prepare for an interview? How should you behave during the interview?
DIPLOMA EXAMINATION —
JUNE, 2018.

COMMUNICATION SKILLS

Time : 3 hours Maximum marks : 75

SECTION A — (20 × 1 = 20 marks)

Answer ALL questions.

1. Which of the following does not belong to the effective Communication?
   (a) Express your feelings
   (b) Present yourself well
   (c) To solve problems effectively
   (d) To be aggressive in assertive

2. Argyle is one of the major British exponents of
   (a) Physical skill model
   (b) Social skill model
   (c) Structural skill model
   (d) Economical skill model
3. Communication that occurs between 8 to 10 people is ————
   (a) Conversational communication
   (b) Large group communication
   (c) Small group communication
   (d) Medium group communication

4. Processed data is called ————
   (a) bio-data     (b) decision
   (c) co-ordination (d) information

5. The three elements required for successful Public Speaking are ————
   (a) content, drafting, evaluation
   (b) content, confidence, connection
   (c) connection, drafting, evaluation
   (d) drafting, confidence, evaluation

6. In interpreting body language the people who are anxious to interrupt do ————
   (a) place their hand on your arm
   (b) have a static body and posture
   (c) rub their hands together
   (d) tighten their clothing
7. ________ involves control by the leader without input from other group members.
   (a) Consultative leadership
   (b) Participative leadership
   (c) Laissez-faire leadership
   (d) Authoritarian leadership

8. The word ‘interview’ is derived from the French word “entrevue” which means ________
   (a) related to communication
   (b) related to sight
   (c) related to speech
   (d) related to expression

9. “Tell me something about yourself you’ve never told anyone”

   What type of Interview question does the above question belong?
   (a) frequently asked question
   (b) awkward interview question
   (c) general question
   (d) killer question
10. ________ is a group of words, which convey partial meaning.
   (a) phrase  (b) sentence  (c) modals  (d) voice

11. ________ is typically a group of elected or appointed officials for establishing all policy for an organization.
   (a) board  (b) team building group  (c) human relations group  (d) fact finding group

12. ________ writing is an expansion or descriptive writing.
   (a) essay writing  (b) précis writing  (c) comprehension  (d) paragraph

13. ________ essay needs deep thinking.
   (a) argumentative  (b) reflective  (c) both argumentative and reflective  (d) none of the above
14. Structural words include ————
   (a) noun, pronoun, verbs, adjectives
   (b) noun, conjunctions
   (c) prepositions, conjunctions, interjections
   (d) adjectives, preposition

15. ———— is used to infer a resemblance between things or situation that are not really associated.
   (a) simile    (b) hyperbole
   (c) metaphor  (d) none

16. ———— communication, is the communication between persons.
   (a) Intrapersonal    (b) Interpersonal
   (c) One way         (d) Personal

17. ———— is non-verbal communication.
   (a) Reflecting    (b) Answering
   (c) Facial expression (d) Questioning

18. Encoding and decoding is possible only when the symbols are
   (a) Familiar    (b) Unfamiliar
   (c) Local       (d) Focused
19. ‘May God bless you!’ Is a ————
   (a) possibility       (b) permission
   (c) wish             (d) an informal request

20. ‘Have to’ is used to denote the ————
   (a) ‘necessity’ or ‘obligation’
   (b) necessity alone
   (c) obligation alone
   (d) none of above

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

21. Write down the various elements of speech.

22. What is Interpersonal communication?

23. What are the characteristics of a good conversation?

24. Write the patterns for expressing gratitude.

25. Write down the factors that matters in Group Discussion.

26. Write note on speech and its elements.

27. Point out the ten principals for Leadership Communication.

28. Give the factors that lead to the success in Interview.
SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

29. Write a letter to the Municipal authorities complaining about the bad roads in your locality.

30. Write a note on Communication strategies.

31. Specify the guidelines required while delivering Negative feedback.

32. Read the following poem and answer the questions given below:

Where did you come from, baby dear?
Out of the everywhere into here.

Where did you get those eyes so blue?
Out of the sky as I came through

What makes the light I then sparkle and spin?
Some of the starry spikes left in.

Where did you get that little tear?
I found it waiting when I got here.

What makes your forehead so smooth and light?
Questions
(a) What is the colour of the baby’s eye?
(b) Where does the colour blue come from?
(c) What is the meaning of ‘sparkle’
(d) Who is addressed in the poem?
(e) The baby’s forehead is ————
   (i) Smooth and broad
   (ii) Smooth and big
   (iii) Smooth and light
   (iv) Smooth and narrow

33. Write a paragraph on Time Management.