

1B5N22216

(Pages : 2)

Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Fifth Semester BVOC AUTO Degree Examination, November 2022

GEC5HR13 – Human Resource Management

(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A****Answer *all* questions.****Each question carries Two mark.****Ceiling -25 Marks**

1. What is SHRM?
2. What do you mean by EHRM?
3. Write any three methods in job analysis.
4. Define human resource planning.
5. What do you mean by job evaluation?
6. Define recruitment.
7. What is outsourcing?
8. Write three characteristics of job description.
9. What is retrenchment?
10. What do you mean by off the job training?
11. What is MBO?
12. Define performance appraisal.
13. What is compensation management?
14. What is fringe benefits?
15. Define grievance.

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

16. What are the differences between recruitment and selection?
17. Define career planning. Briefly explain process of career planning .
18. What are the important factors influencing wage system?
19. Explain operative functions of human resource management.
20. Discuss importance of human resource planning?
21. What are advantages of training?
22. Explain the objectives of performance appraisal.
23. What are the advantages and disadvantages of E-HRM?

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

24. Explain the important methods of performance appraisal.
25. Define human resource management? Explain the nature and scope of personnel management.
26. What do you mean by labour participation in management? Explain importance and methods of workers participation in management.
27. What are the objectives of job evaluation? Discuss the methods of job evaluation.

**2 x 10 = 20 Marks**



1B5N22217

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Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE  
Fifth Semester BVOC AUTO Degree Examination, November 2022  
GEC5LS14 – Life Skill Application  
(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**  
**Answer *all* questions.**  
**Each question carries Two mark.**  
**Ceiling -25 Marks**

1. Define empathy
2. Elaborate the concept of self-knowledge
3. Explain JOHARI window method
4. Differentiate between verbal and non- verbal communication
5. Define decision making skill
6. Mention any two problem solving strategies
7. Discuss the concept of proxemics
8. State and illustrate the law of reciprocity
9. Explain communication styles
10. State the different types of problem
11. Explain Career decision making skill
12. Define creativity
13. Elaborate the concept of women empowerment
14. Explain coping skills
15. Differentiate between active and passive listening skill

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

16. Briefly explain the needs and importance of life skill education
17. What is empathy? State different types of empathy.
18. Discuss problem solving strategies used when solving a problem
19. Describe the process of communication
20. What is the need for career decision making skill in the life of a student
21. What are the components of non- verbal communication? Explain.
22. Explain the importance of life skill training in career planning.
23. How does life skill training contribute to women empowerment

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

24. Life skill education promote quality life. Do you agree with this statement? If yes? Why?
25. Define self- awareness. Discuss importance and benefits of self- awareness in real life.
26. Briefly describe life skill training in different areas.
27. Explain in detail about the importance of making decisions and solving problems in real life.

**2 x 10 = 20 Marks**



1B5N22218

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Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE  
Fifth Semester BVOC AUTO Degree Examination, November 2022  
GEC5BS15 – Professional Business Skills

(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**  
**Answer *all* questions.**  
**Each question carries Two mark.**  
**Ceiling -25 Marks**

1. What is Google Scholar ?
2. What is E-Learning?
3. What is Green computing?
4. What is Verbal communication?
5. Define data.
6. Briefly describe any four popular e-commerce websites.
7. Define e-mail
8. Write a short note on IT ACT 2000.
9. Who is a data analyst?
10. What is Microlearning ?
11. Define cyber ethics.
12. What are the disadvantages of new generation computers ?
13. What is White Hat hacking ?
14. Define business analytics
15. What do you mean by e-waste?

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

16. What are the advantages and challenges of B2C model ?
17. Explain features of new generation computers.
18. What are the dimensions of data quality standards ?
19. What are the benefits of quality data?
20. Elucidate types of online advertising
21. How will you manage e-waste?
22. What are various benefits of using videos in e-Learning ?
23. What is written communication ? List out the advantages and limitations of written communication.

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

24. Elaborate major technological tools in e-learning
25. What are cyber crimes ? Explain the major categories of cyber crimes. How such crimes can be prevented or avoided ?
26. Explain in detail various types of e-commerce
27. How online learning is different from classroom learning ? What are the advantages and disadvantages of online learning ?

**2 x 10 = 20 Marks**



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Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Fifth Semester BVOC AUTO Degree Examination, November 2022

SDC5AE17 – Automotive Electrical Systems and Hybrid Vehicles

(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**

**Answer *all* questions.**

**Each question carries Two mark.**

**Ceiling -25 Marks**

1. List out three type of Head Light Reflectors.
2. Define Luminous Intensity.
3. What is Gas Discharge Lamp?
4. Write the equation for wiper motor torque calculation.
5. List out any three features of wiper blades.
6. Prepare a short note on wiper linkage.
7. Describe about conventional circuit diagrams.
8. What are the disadvantages of General Motor EN-V?
9. What is Vision Enhancement?
10. List the terms to describe performance characteristics of torque converter.
11. Draw the flow chart of a Hybrid Electric Vehicle.
12. What are the disadvantages of steam technology?
13. Define series hybrid system.
14. Why HEV is significant in present world?
15. What are the requirements of EMs used in Electric Vehicles?

**PART - B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

16. List out Seven external lights of a vehicle with their Cd range.
17. Which are the procedures of headlight beam setting?
18. What are the functional requirements of wiper?
19. What are EMC problems? Write two examples.
20. Write a short note on environmental importance of hybrid vehicles.
21. Draw the circuit diagram for brake light.
22. Explain wind screen zones with the aid of a neat sketch.
23. Define Hybrid Electric Vehicle. Write its three configurations.

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

24. Prepare a brief note on Ultra Violet Head light technology.
25. Write 11 stage process of checking an auxiliary system circuit.
26. Write a brief note on Road Trains.
27. What are the advantages of a Hybrid over a Conventional Vehicle?

**2 x 10 = 20 Marks**



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Reg. No:.....

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE

Fifth Semester BVOC AUTO Degree Examination, November 2022

SDC5AE18 - Automobile HVAC

(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**

Answer *all* questions.

Each question carries **Two** marks.

**Ceiling -25 Marks**

What are the different ice collection methods in the ancient era?

List out the components in VCR.

Explain the role of Absorber in VAR.

Explain Air refrigeration.

Define refrigerants.

Define Azetrope refrigerants.

List down any four applications of Air conditioning

Define Dry-Bulb Temperature

What are the different types of subsystems of automobile HVAC?

0 Classify Automobile Compressors.

1 Explain the need for a Receiver-driver in automobile AC.

2 What do you mean by compressor controls?.

3 Briefly explain Cooling fan switch.

4 Explain Valves-In-Receiver (VIR).

5 Explain Power brake switch.

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

- 16 Explain Magnetic refrigeration.
- 17 How Temperature and pressure are changed in different VCR components.
- 18 Explain how temp affects the life of different products.
- 19 Write a note on R 134a.
- 20 Explain the issue of liquid refrigerant entry into Compressors.
- 21 Draw the cutaway view of the Accumulator.
- 22 Explain Low-pressure cut-out switch and High-pressure cut-out switch.
- 23 Cooling fan switch, Air conditioning system high-pressure fan switch and Air conditioning system trinary switch.

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

- 24 Write an essay on Vapor Absorption Refrigeration.
- 25 Write an essay on applications of Refrigeration's and Air conditioning.
- 26 Explain the working of the Automobile Air conditioning system using an expansion valve with necessary layouts.
- 27 Explain SOP of Heating and air conditioning system service and repair.

**2 x 10 = 20**



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Reg. No:.....

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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE  
Fifth Semester BVOC AUTO Degree Examination, November 2022

**SDC5AE19 - Vehicle Body Engineering**

(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**

**Answer *all* questions.**

**Each question carries Two marks.**

**Ceiling -25 Marks**

- 1 What are the different aerodynamic devices used in a car?
- 2 What are the features of a Saloon car?
- 3 What is forward visibility?
- 4 List out any 4 classifications of Passenger carry Bus according to the style of the vehicle.
- 5 Explain about a Long distance coach.
- 6 Explain about Articulated Passenger Carry Bus.
- 7 Explain about the Type 4 Passenger Carry Bus.
- 8 Explain about Fixed side Truck.
- 9 Explain about Transit mixer Truck
- 10 What is Knee Bolster?
- 11 What is a child-safety seat?
- 12 List down a few features for minimum injury in case of an accident.
- 13 Explain about Adaptive Cruise Control.
- 14 Explain ESP.
- 15 What are the special features of Delphi's STAR air bag?

**PART – B**  
**Answer all questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

- 16 List out the different requirements of a Automobile Body
- 17 Draw and explain Estate and Limousine.
- 18 Explain about Windows and steps in the Passenger Carry Bus.
- 19 Explain about Touring and Midi bus.
- 20 What are the different advantages of Light Commercial Trucks?
- 21 How do Airbags enhance safety, explain?
- 22 State the functions of Continental's GCC?
- 23 What are the different steps of accident investigation?

**PART - C**  
**Answer any two questions.**  
**Each question carries Ten marks.**

- 24 Write an essay on different car body designs.
- 25 Classify and explain Passenger Carry Bus according to distance traveled by the vehicle and Capacity of the vehicle.
- 26 Draw and Explain Drop side, Fixed side, Tipper body and Tanker body Trucks.
- 27 Explain ABS , EBA , TCS , Assisted Parking and ESP.

**2 x 10 = 20**



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Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE  
Fifth Semester BVOC SD Degree Examination, November 2022  
SDC5IT18 – Dot Net and Database Administration

(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**

Answer *all* questions.

Each question carries Two mark.

**Ceiling -25 Marks**

1. Define the term CLR?
2. What are the namespaces used in C#.NET?
3. What is the role of the JIT compiler in .NET Framework?
4. What is an enumeration in C#?
5. What are the properties of text box Control?
6. How to show message box in C#?
7. How can you define the DataSet?
8. What are Parameters in ADO.NET?
9. Describe Data Adapter object?
10. What is Extent in oracle?
11. What are the oracle security methods?
12. What is flash back technology?
13. What is ASM instance?
14. How ASM disk groups are created?
15. What is tuning RMAN module?

**PART – B**

Answer *all* questions.

Each question carries **Five** marks.

**Ceiling -35 Marks**

16. Write short note on .net IDE interface?
17. What is Boxing and unboxing?
18. Explain constructor over loading in C# with example?
19. What is font dialogue box? Explain with example?
20. Give a short note on connected mechanism?
21. Give a short note on Exception handling?
22. What are the most important SGA components?
23. How to view or change your RMAN configurations?

**PART - C**

Answer any *two* questions.

Each question carries **Ten** marks.

24. Explain the architecture of .NET Framework
25. Explain mouse events in C#?
26. Create student registration form using form control?
27. Explain Oracle Database architecture?

**2 x 10 = 20 Marks**



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Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE  
Fifth Semester BVOC SD Degree Examination, November 2022  
SDC5IT19 - Operating Systems  
(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**

**Answer all questions.**

**Each question carries Two mark.**

**Ceiling -25 Marks**

- 1 Define Operating system. List the objectives of an operating system.
- 2 What is a process?
- 3 What do you understand by distributed systems?
- 4 Define Thread? Write the difference between user-level and kernel-level threads?
- 5 What is deadlock?
- 6 Distinguish between preemptive and non preemptive scheduling.
- 7 What are the advantages of Inter Process Communication?
- 8 What is a critical section problem?
- 9 Distinguish between logical address space and physical address space.
- 10 What is the cause of thrashing?
- 11 What are the various file attributes?
- 12 What is dynamic loading?
- 13 What is Spooling?
- 14 What are the different types of shells available in Unix?
- 15 Give any four features of mobile operating system.

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

- 16 Write short note on time sharing operating system.
- 17 Explain the necessary conditions for deadlock to occur.
- 18 Explain PCB and its importance in process execution.
- 19 Explain Round Robin scheduling algorithm.
- 20 Explain the concept of overlay in memory management.
- 21 What is virtual memory? Explain the benefits of virtual memory technique.
- 22 Explain any two disk scheduling Algorithms.
- 23 Explain the features of mobile operating system.

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

- 24 Distinguish between paging and segmentation.
- 25 Explain the need for process scheduling. Write short note on FCFS, SJF, and Priority scheduling.
- 26 Explain various methods for free space management in files.
- 27 Explain the kernel architecture of Unix operating system.

**2 x 10 = 20 Marks**



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Reg. No:.....

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**FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE**  
**Fifth Semester BVOC SD Degree Examination, November 2022**  
**SDC5IT20 - Mobile Software Development Using Android**  
(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART - A**  
**Answer all questions.**  
**Each question carries Two mark.**  
**Ceiling -25 Marks**

1. What is the purpose of AndroidManifest.xml ?
2. What are the different types of layout managers ?
3. What is AVD and Emulator ?
4. How does toast work in android ?
5. What are plurals ?
6. What is Android Debug Bridge ?
7. What is the purpose of Layout resource ?
8. What is TimePicker ?
9. What is Persistent state in Android ?
10. What are the contents of Android SDK ?
11. Explain the purpose of Views and View Groups.
12. What are Shared Preferences ?
13. What is Android Cursor ?
14. What is Pending Intent ?
15. Name four Android Versions?

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

- 16 Explain Check Box in detail with Example.
- 17 Explain Android software Stack ?
- 18 Differentiate String Resources and Layout Resources ?
- 19 Write short note on Adapters and Adapter views ?
- 20 Define the structure of Android application.
- 21 Explain cursor in Android SQLite with example.
- 22 Explain the Activity life cycle in Android.
- 23 Briefly explain the working of intent in android with example.

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

- 24 Explain the database manipulation using SQLite ?
- 25 Explain the Architecture of Android with the help of a neat diagram.
- 26 Briefly explain the following Android resources :  
(a) Colors. (b) Strings. (c) Plurals. (d) Images. (e) Dimensions.
- 27 What are check boxes and radio buttons ? Write a code to show the usage of check boxes and radio buttons in Android.

2 x 10 = 20



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Reg. No:.....

Name: .....

FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE  
Fifth Semester BVOC SD Degree Examination, November 2022

GEC5LS13 – Life Skill Development

(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**

**Answer all questions.**  
**Each question carries Two mark.**  
**Ceiling -25 Marks**

1. Define empathy
2. Elaborate the concept of self-knowledge
3. Explain JOHARI window method
4. Differentiate between verbal and non- verbal communication
5. Define decision making skill
6. Mention any two problem solving strategies
7. Discuss the concept of proxemics
8. State and illustrate the law of reciprocity
9. Explain communication styles
10. State the different types of problem
11. Explain Career decision making skill
12. Define creativity
13. Elaborate the concept of women empowerment
14. Explain coping skills
15. Differentiate between active and passive listening skill

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

16. Briefly explain the needs and importance of life skill education
17. What is empathy? State different types of empathy.
18. Discuss problem solving strategies used when solving a problem
19. Describe the process of communication
20. What is the need for career decision making skill in the life of a student
21. What are the components of non- verbal communication? Explain.
22. Explain the importance of life skill training in career planning.
23. How does life skill training contribute to women empowerment

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

24. Life skill education promote quality life. Do you agree with this statement? If yes? Why?
25. Define self- awareness. Discuss importance and benefits of self- awareness in real life.
26. Briefly describe life skill training in different areas.
27. Explain in detail about the importance of making decisions and solving problems in real life.

**2 x 10 = 20 Marks**



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Reg. No:.....

Name: .....

**FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE**  
**Fifth Semester BVOC SD Degree Examination, November 2022**  
**GEC5HR12 – Human Resource Management**  
(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**

**Answer *all* questions.**

**Each question carries Two mark.**

**Ceiling -25 Marks**

1. What is SHRM?
2. What do you mean by EHRM?
3. Write any three methods in job analysis.
4. Define human resource planning.
5. What do you mean by job evaluation?
6. Define recruitment.
7. What is outsourcing?
8. Write three characteristics of job description.
9. What is retrenchment?
10. What do you mean by off the job training?
11. What is MBO?
12. Define performance appraisal.
13. What is compensation management?
14. What is fringe benefits?
15. Define grievance.

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

16. What are the differences between recruitment and selection?
17. Define career planning. Briefly explain process of career planning .
18. What are the important factors influencing wage system?
19. Explain operative functions of human resource management.
20. Discuss importance of human resource planning?
21. What are advantages of training?
22. Explain the objectives of performance appraisal.
23. What are the advantages and disadvantages of E-HRM?

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

24. Explain the important methods of performance appraisal.
25. Define human resource management? Explain the nature and scope of personnel management.
26. What do you mean by labour participation in management? Explain importance and methods of workers participation in management.
27. What are the objectives of job evaluation? Discuss the methods of job evaluation.

**2 x 10 = 20 Marks**



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FAROOK COLLEGE (AUTONOMOUS), KOZHIKODE  
Fifth Semester BVOC SD Degree Examination, November 2022  
GEC5LS13 – Life Skill Development  
(2020 Admission onwards)

Time: 2 ½ hours

Max. Marks: 80

**PART – A**  
**Answer *all* questions.**  
**Each question carries Two mark.**  
**Ceiling -25 Marks**

1. Define empathy
2. Elaborate the concept of self-knowledge
3. Explain JOHARI window method
4. Differentiate between verbal and non- verbal communication
5. Define decision making skill
6. Mention any two problem solving strategies
7. Discuss the concept of proxemics
8. State and illustrate the law of reciprocity
9. Explain communication styles
10. State the different types of problem
11. Explain Career decision making skill
12. Define creativity
13. Elaborate the concept of women empowerment
14. Explain coping skills
15. Differentiate between active and passive listening skill

**PART – B**  
**Answer *all* questions.**  
**Each question carries Five marks.**  
**Ceiling -35 Marks**

16. Briefly explain the needs and importance of life skill education
17. What is empathy? State different types of empathy.
18. Discuss problem solving strategies used when solving a problem
19. Describe the process of communication
20. What is the need for career decision making skill in the life of a student
21. What are the components of non- verbal communication? Explain.
22. Explain the importance of life skill training in career planning.
23. How does life skill training contribute to women empowerment

**PART - C**  
**Answer any *two* questions.**  
**Each question carries Ten marks.**

24. Life skill education promote quality life. Do you agree with this statement? If yes? Why?
25. Define self- awareness. Discuss importance and benefits of self- awareness in real life.
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27. Explain in detail about the importance of making decisions and solving problems in real life.

**2 x 10 = 20 Marks**