

RGPV (DIPLOMA WING) BHOPAL		OBE CURRICULUM FOR THE COURSE		FORMAT-3	Sheet No. 1/4
Branch	AUTOMOBILE ENGINEERING		Semester	Sixth	
Course Code	602	Course Name	Auto Business Management		
Course Outcome 1	Student will be able to manage the vehicle maintenance and repair work			T-L Hrs	Marks
Learning Outcome 1	Student will be able to supervise the work for the given maintenance or repair related task work			12	15
Contents	Maintenance, types of maintenance, service, repair, difference between them Introduction to Management, functions of management, supervision, need for directions and instructions to subordinates, motivation and theories of motivation, Maslow's hierarchy of human needs, McClelland's Human Motivation Theory, role of supervisor \Foreman, qualities of supervisor, methods of supervision				
Method of Assessment	Theory exam				
Learning Outcome 2	Student will be able to plan, estimate and calculate actual cost of given vehicle repair work			08	10
Contents	Planning and its importance, planning for resources like tools, manpower, spare parts, time required, outsourcing, estimating the expenditures on repair, calculating the actual cost of repairs, major heads of estimation and costing like labor charge, consumables, utilities etc.				
Method of Assessment	Theory assignment				

RGPV (DIPLOMA WING) BHOPAL		OBE CURRICULUM FOR THE COURSE		FORMAT-3	Sheet No. 2/4
Branch	AUTOMOBILE ENGINEERING			Semester	Sixth
Course Code	602	Course Name	Auto Business Management		
Course Outcome 2	Student will be able to coordinate various vehicle repair workshop activities			T-L Hrs	Marks
Learning Outcome 1	Student will be able to allocate and schedule the daily work among the available man-power			10	10
Contents	Need and importance work allocation and work scheduling, Gantt chart, importance of activity plan, elements of activity plan like duration, start/finish date, responsible worker, resources required etc. preparation of activity plan, examples and cases.				
Method of Assessment	Theory exam				
Learning Outcome 2	Student will be able to coordinate the various activities of the vehicle service and repair shop			04	05
Contents	Need and importance of coordination to control various activities, contingencies, work re-allocation, work re-scheduling, revising and updating the activity plan, cases and examples				
Method of Assessment	Theory assignment				
Learning Outcome 3	Student will be able to keep basic records and accounts of the given repair shop			06	05
Contents	Need and importance of record keeping, benefits of record keeping, records related to revenue /income /expenditures /profit /loss/ debts/taxes; records related to repair work/ servicing performed like job card, inspection reports, work sheets, work schedules, PDI record etc.				
Method of Assessment	Theory assignment				

RGPV (DIPLOMA WING) BHOPAL		OBE CURRICULUM FOR THE COURSE		FORMAT-3	Sheet No. 3/4
Branch	AUTOMOBILE ENGINEERING			Semester	Sixth
Course Code	602	Course Name	Auto Business Management		
Course Outcome 1	Student will be able to demonstrate his/her knowledge about dealership/service station/ repair shop			T-L Hrs	Marks
Learning Outcome 1	Student will be able to explain about the car dealership / service station / repair workshop regarding organization structure, staff structure, functions, roles and responsibilities			08	15
Contents	Need and importance of showroom, post sale-services, Functions of dealership / service station / repair shop / garage and difference between them, organization structures and layouts for car dealership / service station / repair workshop, roles and responsibilities of different designations				
Method of Assessment	Theory exam				
Learning Outcome 2	Student will be able to plan an authorized service station /repair shop as self enterprise			09	05
Contents	Entrepreneurship and self-employment, personality of entrepreneur , establishment of self service station/repair-shop, need of financing self enterprise, salient features of various schemes for commercial loans, planning self enterprise, BEP analysis, preparation of short project report for establishing self enterprise				
Method of Assessment	Theory Assignment				
Learning Outcome 3	Student will be able to select a suitable vehicle according to unique requirements of the customer			08	05
Contents	Different categories of cars, Important customer related specifications of cars, important customer requirements for cars, study of customer related specifications of popular models of cars, selection of suitable car according to given customer requirements, comparison of different models of cars within the same category of car				
Method of Assessment	Theory Assignment				

RGPV (DIPLOMA WING) BHOPAL		OBE CURRICULUM FOR THE COURSE		FORMAT-3	Sheet No. 4/4	
Branch	AUTOMOBILE ENGINEERING			Semester	Sixth	
Course Code	602	Course Name	Auto Business Management			
Course Outcome 1	Student will be able to manage stores of the automobile repair-shop / service centre			T-L Hrs	Marks	
Learning Outcome 1	Student will be able to explain the layout and management of store for repair-shop / service centre			10	15	
Contents	Importance of stores, functions of automobile repair shop /service station stores, items to be kept in the stores, coding of items, two bin system, layout of the store, record of stores, procedure of receiving and issue of items in the store					
Method of Assessment	Theory exam					
Learning Outcome 2	Student will be able explain different types of inventory management methods			15	15	
Contents	Inventory, its meaning and importance, types of inventory, examples, purpose of inventory control, various costs related to storage, popular methods of effective inventory management, ABC and XYZ analyses, safety stocks, reorder point, Wilson's model, economic order quantity, re-order point, simple numerical problems based on use of formula					
Method of Assessment	Theory exam					

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code		Course Code		CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	
COURSE NAME		AUTO BUSINESS MANAGEMENT									
CO Description		Student will be able to manage the vehicle maintenance and repair work									
LO Description		Student will be able to supervise the work for the given maintenance or repair related task work									
SCHEME OF STUDY											
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1	Maintenance, types of maintenance, service, repair, difference between them Introduction to Management, functions of management, supervision, need for directions and instructions to subordinates, motivation and theories of motivation, Maslow’s hierarchy of human needs, McClelland's Human Motivation Theory, role of supervisor \Foreman, qualities of supervisor, methods of supervision	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	09	03	Books:- 1 Maintenance Engineering by Dr. G. K. Vijayaraghavan from Suchitra Publications 2. Industrial Engg. & Management by O. P. Khanna Dhanpat Rai and Sons Delhi	Teacher will also provide internet based learning material such as websites, videos and links				
SCHEME OF ASSESSMENT											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1.	Theory exam	One question related to the learned content will be asked in the university question paper	15	Question paper, Check list	External						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)											
NIL											

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code		Course Code		CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	
COURSE NAME	AUTO BUSINESS MANAGEMENT										
CO Description	Student will be able to manage the vehicle maintenance and repair work										
LO Description	Student will be able to plan, estimate and calculate actual cost of given vehicle repair work										
SCHEME OF STUDY											
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1.	Planning and its importance, planning for resources like tools, manpower, spare parts, time required, outsourcing, estimating the expenditures on repair, calculating the actual cost of repairs, major heads of estimation and costing like labor charge, consumables, utilities etc.	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	06	02	Books:- 1. Automotive service management by pearson (3 rd edition)	Teacher will also provide internet based learning material such as websites, videos and links				
SCHEME OF ASSESSMENT											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1.	Theory assignment	One or more cases will be given to student in which they will plan, estimate and calculate actual cost of repair based on given case data	10	Assignment questions, Check list	Internal						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)											
NIL											

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code			Course Code			CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	2	1	
COURSE NAME	AUTO BUSINESS MANAGEMENT												
CO Description	Student will be able to coordinate various vehicle repair workshop activities												
LO Description	Student will be able to allocate and schedule the daily work among the available man-power												
SCHEME OF STUDY													
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks						
1.	Need and importance work allocation and work scheduling, Gantt chart, importance of activity plan, elements of activity plan like duration, start/ finish date, responsible worker, resources required etc. preparation of activity plan, examples and cases.	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	07	03	Industrial Engg. And Management By Dr. O. P. Khanna Dhanpat Rai & Sons	Teacher will also provide internet based learning material such as websites, videos and links						
SCHEME OF ASSESSMENT													
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required			External / Internal						
1.	Theory exam	One question related to the learned content will be asked in the university question paper	10	Question paper, Check list			External						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)													
Format for activity plan:-													

	Activity details	Duration	Start date	Finish date	Responsible worker	Resources required	
	1						
	2						
	3						

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code		Course Code		CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	
COURSE NAME	AUTO BUSINESS MANAGEMENT										
CO Description	Student will be able to coordinate various vehicle repair workshop activities										
LO Description	Student will be able to coordinate the various activities of the vehicle service and repair shop										
SCHEME OF STUDY											
S. No.	Learning Content	Teaching –Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1.	Need and importance of coordination to control various activities, contingencies, work re-allocation, work re-scheduling, revising and updating the activity plan, cases and examples	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	03	01	Books:- 1. PERT & CPM Principles & Applications By L.S. Shrinath, East-west Press	Teacher will also provide internet based learning material such as websites, videos and links				
SCHEME OF ASSESSMENT											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1.	Theory assignment	Assignment will be given to the student, in which student will be asked to reschedule/ revise/ update the given activity plan on basis of given contingencies	05	Assignment question, rating scale	Internal						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)											
NIL											

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code		Course Code		CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	
COURSE NAME	AUTO BUSINESS MANAGEMENT										
CO Description	Student will be able to coordinate various vehicle repair workshop activities										
LO Description	Student will be able to keep basic records and accounts of the given repair shop										
SCHEME OF STUDY											
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1.	Need and importance of record keeping, benefits of record keeping, records related to revenue /income /expenditures /profit /loss/ debts/taxes; records related to repair work/ servicing performed like job card, inspection reports, work sheets, work schedules, PDI record etc.	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	04	02	Books:- Mechanical Estimating and costing by T.R. Banga and S.C. Sharma, Khanna Pub. 2 Accounting for small business owners by Tycho Press	Teacher will also provide internet based learning material such as websites, videos and links				
SCHEME OF ASSESSMENT											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1.	Theory assignment	Assignments related to various types of record preparation for the given case data, will be given to assess learning of students	05	Assignment questions, rating scale	Internal						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)											
NIL											

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code		Course Code		CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	
COURSE NAME	AUTO BUSINESS MANAGEMENT										
CO Description	Student will be able to demonstrate his/her knowledge about dealership/service station/ repair shop										
LO Description	Student will be able to explain about the car dealership / service station / repair workshop regarding organization structure, staff structure, functions, roles and responsibilities										
SCHEME OF STUDY											
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1.	Need and importance of showroom, post sale-services, Functions of dealership / service station / repair shop / garage and difference between them, organization structures and layouts for car dealership / service station / repair workshop, roles and responsibilities of different designations	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	06	02	Any standard book on business organization and management, Internet based material related to contents	Teacher will also provide internet based learning material such as websites, videos and links				
SCHEME OF ASSESSMENT											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1.	Theory exam	Two questions will be asked related to learned contents	15	Exam question paper, rating scale	External						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)											
NIL											

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code		Course Code		CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	
COURSE NAME	AUTO BUSINESS MANAGEMENT										
CO Description	Student will be able to demonstrate his/her knowledge about dealership/service station/ repair shop										
LO Description	Student will be able to plan an authorized service station /repair shop as self enterprise										
SCHEME OF STUDY											
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1.	Entrepreneurship and self-employment, personality of entrepreneur , establishment of self service station/repair-shop, need of financing self enterprise, salient features of various schemes for commercial loans, planning self enterprise, BEP analysis, preparation of short project report for establishing self enterprise	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	07	02	Essentials of Entrepreneurship and small business management by N.M. Scarborough & J. R. Cornwall, Pearson (in India, sales by Meripustak)	Teacher will also provide internet based learning material such as websites, videos and links				
SCHEME OF ASSESSMENT											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1.	Theory assignment	Students will prepare short project reports on establishment of dealership / service station/ auto repair shop	05	Assignment questions, rating scale	Internal						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)											
NIL											

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code		Course Code		CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	
COURSE NAME	AUTO BUSINESS MANAGEMENT										
CO Description	Student will be able to demonstrate his/her knowledge about dealership/service station/ repair shop										
LO Description	Student will be able to select a suitable vehicle according to unique requirements of the customer										
SCHEME OF STUDY											
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1.	Different categories of cars, Important customer related specifications of cars, important customer requirements for cars, study of customer related specifications of popular models of cars, selection of suitable car according to given customer requirements, comparison of different models of cars within the same category of car	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	06	02	1. Book:- Principles of marketing by P. Kotler & Armstrong 17E Pearson 2. Standard internet based material related to content	Teacher will also provide internet based learning material such as websites, videos and links				
SCHEME OF ASSESSMENT											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1.	Theory assignment	Assignments will be given to compare different models of cars on given criteria or to conduct short survey of customer expectations about car or to prepare arguments for sales of a particular model of car to particular category of customer	05	Assignment questions, rating scale	Internal						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)											
NIL											

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code		Course Code		CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	
COURSE NAME	AUTO BUSINESS MANAGEMENT										
CO Description	Student will be able to manage stores of the automobile repair-shop / service centre										
LO Description	Student will be able to explain the layout and management of store for repair-shop / service centre										
SCHEME OF STUDY											
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1.	Importance of stores, functions of automobile repair shop /service station stores, items to be kept in the stores, coding of items, two bin system, layout of the store, record of stores, procedure of receiving and issue of items in the store	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	07	03	Book:- Industrial Engineering and management by Dr. O.P. Khanna, Dhanpat Rai and Sons Delhi or its equivalent	Teacher will also provide internet based learning material such as websites, videos and links				
SCHEME OF ASSESSMENT											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1.	Theory exam	Two theory questions will be asked from the learned contents	15	Question paper	External						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)											
NIL											

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING OUTCOME			Branch Code		Course Code		CO Code	LO Code	Format No. 4
					A	0	3	6	0	2	
COURSE NAME	AUTO BUSINESS MANAGEMENT										
CO Description	Student will be able to manage stores of the automobile repair-shop / service centre										
LO Description	Student will be able explain different types of inventory management methods										
SCHEME OF STUDY											
S. No.	Learning Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	Pract. /Tut Hrs.	LRs Required	Remarks				
1.	Inventory, its meaning and importance, types of inventory, examples, purpose of inventory control, various costs related to storage, popular methods of effective inventory management, ABC and XYZ analyses, safety stocks, reorder point, Wilson’s model, economic order quantity, re-order point, simple numerical problems based on use of formula	Traditional lecture method	Teacher will teach the contents with help of examples and cases, teacher will provide cases for discussion, teacher will assess weaknesses of students and will improve their learning through tutorials/ remedial classes	11	04	Book:- Industrial Engineering and management by Dr. O.P. Khanna, Dhanpat Rai and Sons Delhi or its equivalent	Teacher will also provide internet based learning material such as websites, videos and links				
SCHEME OF ASSESSMENT											
S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal						
1.	Theory exam	Two theory questions will be asked from the learned contents	15	Question paper	External						
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)											
NIL											