

CBSE: DEPARTMENT OF SKILL EDUCATION

AUTOMOTIVE (SUBJECT CODE: 804)

CLASS XI (SESSION 2021 – 2022)

BLUE - PRINT FOR SAMPLE QUESTION PAPER (FOR TERM – II)

Max. Time Allowed: 2 Hours

Max. Marks: 30

PART – A: EMPLOYABILITY SKILL (05 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS			TOTAL NUMBER OF QUESTIONS
		VSA (1 MARK EACH)	SA (2 MARKS EACH)	LA (4 MARKS EACH)	
4	Entrepreneurial Skills - III	2	1	-	3
5	Green Skills - III	2	1	-	3
TOTAL QUESTIONS		4	2	-	6
NO. OF QUESTIONS TO BE ANSWERED		Any 03	Any 01	-	04
TOTAL MARKS		3 X 1 = 3 marks	1 X 2 = 2 Marks	-	05 Marks

PART – B: SUBJECT SPECIFIC SKILL (25 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS				TOTAL NUMBER OF QUESTIONS
		VSA (1 MARK EACH)	SA – I (2 MARKS EACH)	SA – II (3 MARKS EACH)	LA (4 MARKS EACH)	
2	Regular Maintenance of Transmission System	-	1	-	-	01
3	Regular Maintenance of Gear Box	1	1	1	-	03
4	Service of Wheels	1	1	1	1	04
5	Regular Maintenance of Tubes & Tyres	2	1	1	1	05
6	Regular Maintenance of Brakes	3	1	1	1	06
TOTAL QUESTIONS		07	05	04	03	19
NO. OF QUESTIONS TO BE ANSWERED		Any 05	Any 03	Any 02	Any 02	12
TOTAL MARKS		5 X 1 = 05 Marks	3 X 2 = 06 Marks	2 X 3 = 06 Marks	2 X 4 = 08 Marks	25 Marks
GRAND TOTAL		05 + 25 = 30 Marks (Part A+ Part B)				

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SAMPLE QUESTION PAPER FOR TERM - II

Max. Time Allowed: 2 Hours

Max. Marks: 30

General Instructions:

1. Please read the instructions carefully
2. This Question Paper is divided into **03 sections**, viz., Section A, Section B and Section C.
3. **Section A is of 05 marks and has 06 questions on Employability Skills.**
 - a) Questions numbers 1 to 4 are **one mark** questions. Attempt any three questions.
 - b) Questions numbers 05 and 06 are **two marks** questions. Attempt any one question.
4. **Section B is of 17 marks and has 16 questions on Subject specific Skills.**
 - a) Questions numbers 7 to 13 are **one mark** questions. Attempt any five questions.
 - b) Questions numbers 14 to 18 are **two marks** questions. Attempt any three questions.
 - c) Questions numbers 19 to 22 are **three marks** questions. Attempt any two questions
5. **Section C is of 08 marks and has 03 competency-based questions.**
 - a) Questions numbers 23 to 25 are **four marks** questions. Attempt any two questions.
6. Do as per the instructions given in the respective sections.
7. Marks allotted are mentioned against each section/question.

SECTION A marks)

(3 + 2 = 5

Answer any 03 questions out of the given 04 questions		1 x 3 = 3
Q.1	"They are highly ambitious and normally not satisfied by slow progress in their jobs." This applies to which type of entrepreneurs?	1
Q.2	State one crucial feature of Fabian entrepreneurs.	1
Q.3	Write the full form of NAPCC.	1
Q.4	Who deals with the cases related to the environment protection, conservation of forests and other natural resources?	1
Answer any 01 question out of the given 02 questions		1 x 2 = 2
Q.5	Name the type of an entrepreneur who concentrates more on production than marketing.	2
Q.6	Explain Swachh Bharat Mission (SBM) in brief.	2

SECTION B**(5 + 6 + 6 = 17 marks)**

Answer any 05 questions out of the given 07 questions		1 x 5 = 5
Q.7	In modern cars, how many kilometers/times does the gear oil need to be replaced on a regular basis?	1
Q.8	Name the lubricant used to keep the wheel bearing and hub lubricated.	1
Q.9	Why is tyre rotation important on a regular basis?	1
Q.10	Define " Aspect Ratio " of tyres.	1
Q.11	Name and State the law under which the hydraulic brake system operates.	1
Q.12	Define the bleeding of hydraulic brake system.	1
Q.13	Name the component incorporated in the hydraulic brake system of heavy motor/commercial vehicles to increase the pressure applied by the driver?	1
Answer any 03 questions out of the given 05 questions		2 x 3 = 6
Q.14	Write a procedure for adjusting the free play of the clutch pedal for heavy vehicles.	2
Q.15	Write down the procedure for replacing the oil in the gearbox.	2
Q.16	Make a list of different requirements of an automobile wheel.	2
Q.17	Prepare a list of the various steps involved in tyre maintenance.	2
Q.18	What is the procedure for adjusting the brake shoe clearance?	2
Answer any 02 questions out of the given 04 questions		3 x 2 = 6
Q.19	Explain the setting of gear box for the defects of hard gear engagement and gears jumps out of mesh.	3
Q.20	Explain step by step how to remove the wheel from the stub axle.	3
Q.21	Write the advantages of tubeless tyres over tubed tyre.	3
Q.22	Explain the procedure of overhauling of brake master cylinder.	3

SECTION C**(2 x 4 = 8 marks)****(COMPETENCY BASED QUESTIONS)**

Answer any 02 questions out of the given 03 questions		
Q.23	Explain the procedure of adjusting the wheel bearing/wheel play.	4
Q.24	Write down different steps of repairing the punctured tube using cold patch.	4
Q.25	Describe how to properly bleed the hydraulic brake system.	4