

MODULAR EMPLOYABLE SKILLS (MES)
UNDER SKILL DEVELOPMENT INITIATIVE SCHEME (SDIS)
DIRECTORATE GENERAL OF EMPLOYMENT & TRAINING, MINISTRY OF LABOUR & EMPLOYMENT,
GOVERNMENT OF INDIA
ASSESSMENT CONDUCTED BY – GHRP SKILL (INDIA) PVT. LTD.

Automotive repair
Basic Automotive Servicing of Two & Three Wheeler
Theory

Name of the institute :	
Candidate name :	Father's name :
Max. Marks – 50 (passing marks – 20)	Time of examination :
Marks obtained :	Date of examination :
Result :	Signature of the assessor :

Duration – 45 mins.

(25x2=50 marks)

Choose the correct answer:

1. Which of the following indicates multigrade oil?
 - A. Apisf
 - B. Sae 30
 - C. Sae 20 w-50
 - D. Api 50

2. When the brake pedal free play is less than the specified value, then the
 - A. Brake drags
 - B. Brake fades
 - C. Vapor locking occurs in the brake lines
 - D. Antilock braking system malfunctions

3. The octane number of compressed natural gas (CNG) is
 - A. 100
 - B. 90
 - C. 110
 - D. 120

4. The calorific value of diesel is about
 - A. 36.5 mj/kg
 - B. 38.5 mj/kg
 - C. 42.5 mj/kg
 - D. 45.5 mj/kg
5. The calorific value of diesel is about
 - A. 36.5 mj/kg
 - B. 38.5 mj/kg
 - C. 42.5 mj/kg
 - D. 45.5 mj/kg
6. The octane rating of petrol commercially available is
 - A. 85-95
 - B. 100-110
 - C. 95-100
 - D. 110-125
7. The air resistance to a car at 20 KMPH is r. The air resistance at 40 KMPH will be
 - A. R
 - B. 3r
 - C. 2r
 - D. 4r
8. The octane rating of petrol commercially available is
 - A. 85-95
 - B. 100-110
 - C. 95-100
 - D. 110-125
9. The size of engine cylinder is referred in terms of its
 - A. Diameter and bore
 - B. Displacement and efficiency
 - C. Bore and stroke
 - D. Bore and length
10. If the engine coolant leaks into the engine oil, then engine oil
 - A. Appears milky
 - B. Turns black
 - C. Becomes foamy
 - D. None of these
11. The condition that causes vapor locking in a brake system is
 - A. Overheating of the fluid due to frequent brake application
 - B. Overcooling of the brakes during high speed driving
 - C. Keeping the vehicle without use for an extended period
 - D. An excessively high engine speed on a downhill road
12. It is necessary to maintain the valve clearances as they

- A. Allow for lengthening of the valves owing to the heat of combustion
 - B. Increase the speed at which the valves move up and down
 - C. Reduce the resistance to sliding that occurs between the cam and the tappet
 - D. Make the crankshaft turn smoothly
13. The oil pump is driven by the
- A. Crankshaft via drive belt
 - B. Crankshaft directly
 - C. Camshaft
 - D. Alternator shaft
14. If the air-fuel mixture in a spark ignition engine is too rich, then air-fuel ratio is about
- A. 15:1
 - B. 10:1
 - C. 13:1
 - D. 17:1
15. In radial tyres is.....?
- A. One ply layer runs diagonally one way and another layer runs diagonally the other way
 - B. All plies run parallel to one another and vertical to tyre bead
 - C. Inner tubes are always used
 - D. None of these
16. The vehicle ride will be comfortable if
- A. Sprung mass is kept minimum
 - B. Unsprung mass is kept minimum
 - C. All of these
 - D. Vehicle mass is kept minimum
17. Which of the following symptom is caused as a result of brake disc run out ?
- A. Ineffectiveness of the brakes
 - B. Judder during braking
 - C. Localized wearing of the brake pads
 - D. Rapid wearing of the brake pads
18. The firing order for an in-line four cylinder i.c. Engine is
- A. 1-2-4-3
 - B. 1-2-3-4
 - C. 1-3-2-4
 - D. 1-3-4-2
19. The effect of having excess camber is
- A. Hard steering
 - B. Too much traction
 - C. Uneven tyre wear
 - D. Excessive steering alignment torque

20. Internal gears can be made by
- A. Shaping with pinion cutter
 - B. Shaping with rack cutter
 - C. Hobbling
 - D. Milling
21. Gear lapping is an operation
- A. None of these
 - B. For gear reconditioning
 - C. After heat treatment
 - D. Prior to heat treatment
22. The lip angle of a single point tool is usually
- A. 20° to 40°
 - B. None of these
 - C. 60° to 80°
 - D. 40° to 60°
23. If the diameter of the hole is subject to considerable variation, then for locating in jigs and fixtures, the pressure type of locator used is
- A. Cylindrical locator
 - B. Conical locator
 - C. Diamond pin locator
 - D. Vee locator
24. A twist drill is a
- A. End cutting tool
 - B. None of these
 - C. Front cutting tool
 - D. Side cutting tool
25. The anti-knock property of compression ignition engine fuel can be improved by adding
- A. Tetraethyl lead
 - B. Trimethyl pentane
 - C. Amyl nitrate
 - D. Hexadecane

Signature of the candidate

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ACCOUNTING
BANKING AND ACCOUNTING (BAN.101)
Practical

Name of the institute :	
Candidate name :	Father's name :
Max. Marks – 150(passing marks – 90)	Time of examination :
Marks obtained :	Date of examination :
Result :	Signature of the Assessor :

Duration – 2 hours.

(6x20 = 120 marks)

- Q1.** Explain the procedure for repairing punctured tyre?
- Q2.** Specify the construction detail of shock absorbers.
- Q3.** Describe the function of Horn Circuit.
- Q4.** Describe the cooling system and its functions, different coolant mixtures and troubles.
- Q5.** Describe the procedure for the lubrication system and its causes.
- Q6.** Procedure to adjust carburetor, do's and don'ts while servicing carburetor.

Signature of the candidate

Practical (120 Marks)	Safety (10 Marks)	Cleanness/Quality (10 Marks)	Aptitude (10 Marks)	Total (150 Marks)