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Score: 40/50 (80.00%)

Code: 0632

1. Which ministry of India regulate the motor vehicle activity?

- A) Minister of finance  
B) Minister of defence  
C) Minister of rural and development  
**D) Minister of road transport and highways (Correct)**

2. Which equipment used for quick inspection under chassiss of a car?

- A) Stand  
B) Screw jack  
**C) Trolley jack (Correct)**  
D) Two post hoist

3. Where the emulsion tube is provided in solex carburetor?

- A) Choke  
B) Idle jet  
**C) Main jet (Correct)**  
D) Cold starter

4. What is the specification of 6J x 15?

- A) Tyre size (Incorrect)  
B) Engine size  
C) Vehicle size  
**D) Wheel rim size**

5. Which digit indicate the engine type in 17 digit of win number?

- A) 2 digit  
B) 3 digit  
C) 5 digit  
**D) 8 digit (Correct)**

6. How the amount of work done in a specification is called?

- A) Torque  
B) Power (Correct)  
C) Stroke length  
D) Cycle

7. Which engine has more length?

- A) Opposed engine (Correct)**  
B) 'V' engine  
C) Inline engine  
D) Radial engine

8. Which is the engine having cylinders in 180 Degree?

- A) Inline engine  
B) V- engine  
**C) Opposed engine (Correct)**  
D) Radial engine

9. How can identify a four stroke engine?

- A) Valves**  
B) Ports (Incorrect)  
C) Cavities  
D) Passages

10. What is the working cycle of compression ignition engine?

**A) Diesel cycle (Correct)**

C) Sterling cycle

B) Otto cycle

D) Rankin cycle

11. How the ports are opened and closed in two stroke engine?

- A) Movement of valve  
B) Movement of Rocker arm  
**C) Movement of piston (Correct)**  
D) Movement piston pin

12. How many crank shaft rotation required to open exhaust valve one time in four stoke engine?

- A) One  
B) Two (Correct)  
C) Three  
D) Four

13. What is the volume of the space above the piston at TDC?

- A) Swept volume  
B) Clearance volume (Correct)  
C) Total volume  
D) Displace volume

14. How many times, ports are open in two rotation of crank shaft in two stroke engine?

- A) One time  
B) Two times (Correct)  
C) Three times  
D) Four times

15. Where is the air fuel mixture compressed in the two stroke petrol engine?

- A) Intake port  
B) Exhaust port  
C) Transfer port  
**D) Combustion chamber (Correct)**

16. How many crank shaft rotations required to get one power in four stroke single cylinder diesel engine?

- A) One  
B) Two (Correct)  
C) Three  
D) Four

17. What is the angle of throw for 4 cylinder engine?

- A) 60 Degree  
B) 90 Degree  
C) 120 Degree  
**D) 180 Degree (Correct)**

18. Which is used to determine the stroke of an engine?

- A) Cycle  
B) Throw  
C) Dia of piston  
D) Length of connecting rod (Incorrect)

19. How the set of operations performed in sequence of motion of the piston in an engine produce power is called?

- A) **Cycle (Correct)**
- B) Stroke
- C) Stroke
- D) Efficiency

20. Which is the compression pressure of C.I engine?

- A) 90 to 160 psi
- B) 180 to 280 psi
- C) 290 to 390 psi
- D) **400 to 550 psi (Correct)**

21. Which is the engine called as constant volume cycle?

- A) **S.I engine (Correct)**
- B) C.I engine
- C) Turbine engine
- D) Steam engine

22. A cycle consisting of one constant pressure, one constant volume and two isentropic processes is known as

- A) Constant volume
- B) Constant pressure
- C) **Diesel Cycle (Correct)**
- D) Isothermal

23. A cycle consisting of one constant pressure, one constant volume and two isentropic processes is known as

- A) Constant volume
- B) Constant pressure
- C) **Diesel Cycle (Correct)**
- D) Isothermal

24. What is the name the portion below the piston boss?

- A) Land of the piston
- B) Ring section of the piston (Incorrect)
- C) Crown of the piston
- D) **Skirt of the piston**

25. What type of bearing fitted in the connecting rod big end?

- A) Needle bearing
- B) Ball bearing
- C) Taper roller bearing
- D) **Shell bearing (Correct)**

26. Which part connect the piston with connecting rod?

- A) **Piston pin (Correct)**
- B) Spilt pin
- C) Crank pin
- D) Cotter pin

27. Which part is connect the piston with crank pin?

- A) Push rod
- B) **Connecting rod (Correct)**
- C) Cam Shaft
- D) Crank Shaft

28. Which tool used to remove the crank shaft pully?

- A) Double and spanner
- B) Ring spanner
- C) Pipe wrench
- D) **Puller (Correct)**

29. Which tool is used to measure the diameter of the crank shaft main journal?

- A) Inside micrometer
- B) **Outside micrometer (Correct)**

C) Three point internal micrometer

D) Master ring gauge

30. What is the material for cam shaft?

- A) **Forged alloy steel (Correct)**
- B) Copper alloy
- C) Aluminium alloy
- D) Zinc alloy

31. Which tool is required to remove the valves?

- A) Torque wrench
- B) **Valve spring lifter (Correct)**
- C) Box spanner
- D) Scraper

32. Which instrument is used to check the vacuum of the cylinder?

- A) Compression gauge
- B) Dial gauge (Incorrect)
- C) **Vacuum gauge**
- D) Wire gauge

33. Which measuring instrument used to check the fly wheel face out?

- A) **Dial indicator**
- B) Compression gauge
- C) Outside micrometer (Incorrect)
- D) Feeler gauge

34. Which is the most preferred use of taper roller bearings?

- A) Gear boxes
- B) Fly wheel and water pump
- C) **Differential and wheel hub**
- D) Connecting rods (Incorrect)

35. What is the property of a bearing helps to with stand metal to metal contact?

- A) **Surface action**
- B) Thermal conductivity
- C) Fatigue strength (Incorrect)
- D) Embeddability

36. Which is the most preferred use of roller bearings?

- A) **Gear boxes**
- B) Fly wheel
- C) Differential
- D) Connecting rods (Incorrect)

37. Which is connected with pison through piston pin?

- A) Gudgeon pin
- B) **Connecting rod (Correct)**
- C) Cam shaft
- D) Rocker arm

38. Which is the key element in converting reciprocating motion in to rotary motion?

- A) **Connecting rod (Correct)**
- B) Gudgeon pin
- C) King pin
- D) Cam shaft

39. What is the square root of 0.017?

- A) 0.001  
C) 0.00001

- B) 0.13 (Correct)**  
D) 0.000001

40. What is the definition of ratio?

**A) Relation of two quantities of the same kind**

B) Relation of two quantities of the different kind  
(Incorrect)

C) Equality between two ratios

D) Inequality between two ratios

41. What is the ratio of 4 kg to 800 grams?

- A) 05:01 (Correct)**  
C) 08:04

- B) 04:08  
D) 02:04

42. What percentage of 80 is 20?

- A) 0.8  
**C) 0.25 (Correct)**

- B) 0.4  
D) 0.2

43. How much is 8% of 40 kg?

- A) 2.2 kg  
C) 4.2 kg

- B) 3.2 kg (Correct)**  
D) 5.2 kg

44. Convert 52% into fraction?

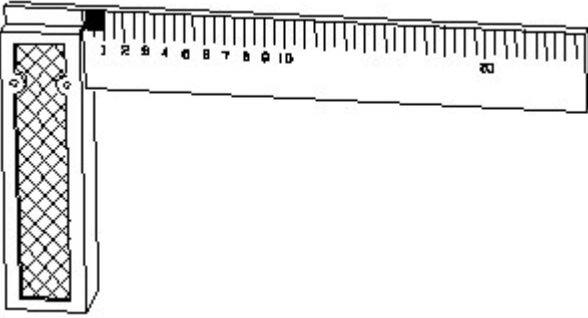
A) (9/25)

B) (11/25)

**C) (13/25) (Correct)**

D) (17/25)

45. 1). Identify the name of tool? | ಉಪಕರಣದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



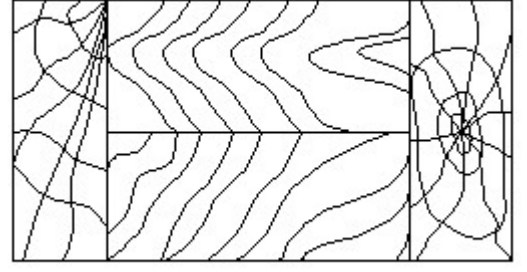
**A) Try square | ಟ್ರೈ ಸ್ಕ್ವೇರ್ (Correct)**

B) Surface gauge | ಮೇಲ್ಮೈ ಮಾಪಕ

C) Steel rule | ಸ್ಟೀಲ್ ರೂಲ್

D) Feeler gauge | ಫೀಲರ್ ಗೇಜ್

46. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?



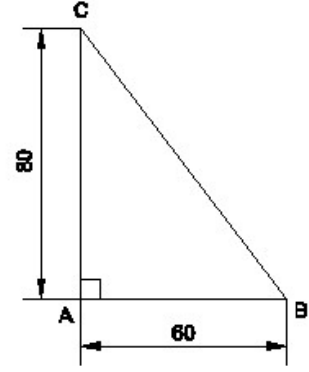
A) Lead | ಲೀಡ್

B) Glass | ಗಾಜು

**C) Wood | ಮರ (Correct)**

D) Paper | ಪೇಪರ್

47. Identify the name of the triangle? | ತ್ರಿಕೋನದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



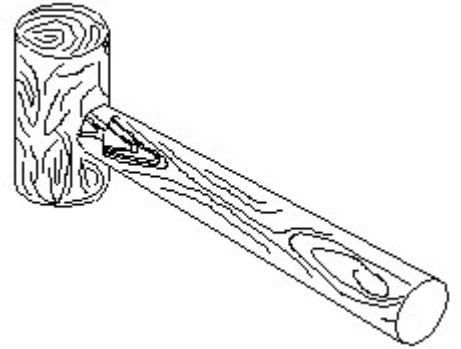
A) Equilateral triangle | ಸಮಕೋನ ತ್ರಿಕೋನ

B) Isosceles triangle | ಸಮದ್ವಿಬಾಹು ತ್ರಿಭುಜ

C) Scalene triangle | ಸ್ಕೇಲಿನ್ ತ್ರಿಕೋನ

**D) Right angle triangle | ಬಲ ಕೋನ ತ್ರಿಕೋನ (Correct)**

48. Identify the name of tool? | ಉಪಕರಣದ ಹೆಸರನ್ನು ಗುರುತಿಸುವುದೇ?



A) Ball pein hammer | ಬಾಲ್ ಪೆನ್ ಹ್ಯಾಮರ್

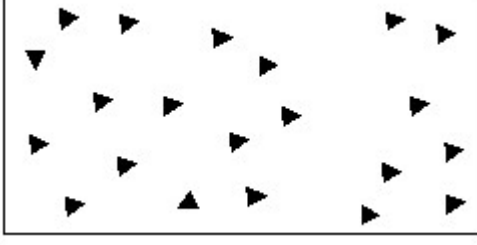
**B) Mallet | ಮ್ಯಾಲೆಟ್ (Correct)**

C) Cross pein hammer | ಕ್ರಾಸ್ ಪೆನ್ ಹ್ಯಾಮರ್

D) Straight pein hammer | ಸ್ಟ್ರೈಟ್ ಪೆನ್ ಹ್ಯಾಮರ್

49. Identify the conventional symbol of material? | ವಸ್ತುವಿನ ಕನ್ವೆಷನಲ್ ಚಿಹ್ನೆಯನ್ನು ಗುರುತಿಸಿ?

ಜೋಡಿಸಲಾದ ಸಿಸ್ಟಮ್ ಆಯಾಮವನ್ನು ಗುರುತಿಸುವುದೇ?



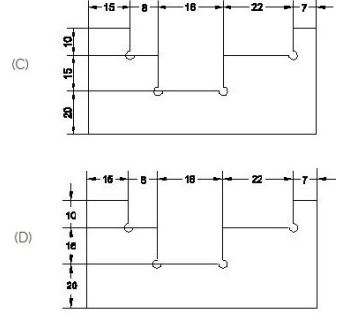
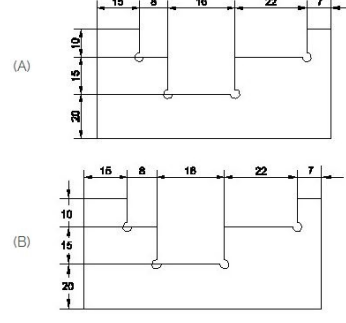
A) Steel | ಸ್ಟೀಲ್

B) Wood | ಮರ

C) Glass | ಗಾಜು

**D) Concrete | ಕಾಂಕ್ರೀಟ್  
(Correct)**

50. Identify the correct aligned system dimension? | ಸರಿಯಾದ



**A) A (Correct)**

B) B

C) C

D) D