ROLL NUMBER

WRITTEN TEST FOR THE POST OF TECHNICIAN (FITTER) – A

DATE : 04/07/2017   TIME : 09.30 AM

DURATION : 60 MINUTES   TOTAL MARKS : 60

INSTRUCTIONS TO THE CANDIDATE

1. Write your Roll Number on the top of the Question Booklet and in the OMR sheet.

2. Each question carries 1 mark.

3. There will not be any Negative Marking.

4. Darken only the bubble corresponding to the most appropriate answer.

5. Marking more than one answer will invalidate the answer.

6. Candidate should sign on the question paper and OMR sheet.

7. Candidate should hand over the question paper and OMR sheet to the invigilator before leaving the examination hall.

Signature of the Candidate

1) Any nut fits any bolt of the same size and thread type is known as
   A. Non Selective assembly
   B. Selective assembly
   C. Basic assembly
   D. General assembly

2) Which of the following is a semi circular key
   A. feather key
   B. saddle key
   C. woodruff key
   D. jib head key

3) Specification of a grinding wheel is "51 A 46 H 5 V 8" here V represents the
   A. grade
   B. type of bond
   C. grit
   D. manufactures symbol

4) Taper turning by tail stock offset method, which centre is most suitable for supporting the work
   A. half centre
   B. tipped centre
   C. ball centre
   D. revolving centre

5) Spring washers are used to ....
   A. allow more movement of nut
   B. prevent loosening of nut
   C. proper setting of nut
   D. gap adjusting

6) The extreme permissible size with in which the operator is expected to make a component is called.................
   A. Allowance
   B. Tolerance
   C. Basic size
   D. Limits of size

7) Surface roughness on a drawing is represented by ....
   A. triangles
   B. circles
   C. squares
   D. rectangles

8) A fit expressed as 30H7/g6, the 30 represents the
   A. actual size
   B. clearance size
   C. tolerance size
   D. basic size

9) In soldering operation the base metal is
   A. Not heated
   B. Heated to 450^0C
   C. Heated to 650^0C
   D. Heated to red hot condition

10) Melting point of aluminium is
    A. 327^0C
    B. 419^0C
    C. 569^0C
    D. 659^0C

11) Bronze is basically an alloy of copper and.............
    A. zinc
    B. tin
    C. lead
    D. aluminium

12) As per Indian standard roughness grade number N12 is equal to .... micron
    A. 15
    B. 0.15
    C. 50
    D. 0.5

13) Galvanized iron sheets are coated with ....
    A. zinc
    B. nickel
    C. tin
    D. Lead

14) The cross section of "V" belt is ....
    A. trapezium
    B. rhombus
    C. square
    D. triangle

15) Cutting speed V= $\frac{\pi dn}{1000}$ m/sec, in this formula unit of diameter "d" is in ....
    A. millimetre
    B. centimetre
    C. decimetre
    D. meter

16) Amount of standard pin taper in metric system...................
    A. 1:20
    B. 1: 30
    C. 1:40
    D. 1:50

17) In a gear train driver gear has 40 tooth and 60 rpm, driven gear has 80 rpm, the number of tooth of driven gear is....................
    A. 24
    B. 30
    C. 32
    D. 36

18) Why acetylene cylinders should always kept vertical position?
    A. to avoid flow of acetone liquid along with the gas
    B. to get uniform rate of flow rate
    C. to help in welding in vertical position
    D. to save floor space

19) Hermaphrodite calliper is also called ....
    A. outside calliper   B. inside calliper   C. odd leg calliper   D. vernier calliper

20) How many fundamental deviations in BIS system
    A. 24   B. 25   C. 26   D. 28

21) Which among the following is a term used in forging, in which the thickness of job increased by decreasing its length.
    A. drawing out   B. jumping   C. punching   D. drifting

22) If D is the blank diameter, d is the bolt diameter, p is pitch of thread, which formula is using to find out blank size for external threading
    A. $D = d - \frac{p}{10}$ B. $D = d + \frac{p}{10}$ C. $D = \frac{p \times d}{10}$ D. $D = \frac{p \times 10}{d}$

23) 10 inches is equal to...............
    A. 2.54 cm   B. 25.4 cm   C. 25.4 mm   D. 2.54mm

24) Included angle of metric taper is ....
    A. $2^0 51' 51''$ B. $2^0 59' 51''$ C. $2^0 51' 59''$ D. $2^0 59' 59''$

25) What is the flame temperature of oxy acetylene gas flame ....^{0}C
    A. 2100 to 2300   B. 2400 to 2700   C. 3100 to 3300   D. 1500 to 1800

26) In a standard system of limits and fits the hole kept constant in
    A. Hole basis system   B. Shaft basis system
    C. Independent system   D. General system

27) Lathe bed is made of ....
    A. mild steel   B. stainless steel   C. cast steel   D. cast iron

28) Calculating drill size for reamer is ....
    A. reamed size – (under size +over size)
    B. reamed size + (under size +over size)
    C. reamed size + (under size -over size)
    D. reamed size – (under size - over size)

29) Difference between maximum limit of size and the minimum limit of size is called
    A. clearance   B. allowance   C. gap   D. tolerance

30) What is the colour painted on acetylene cylinder
    A. black   B. blue   C. maroon   D. black with white neck

31) Angle of British Standard Whitworth thread is ....
    A. 60^0 B. 55^0 C. 47.5^0 D. 29^0

32) .... punch is used to locating hole
    A. prick punch   B. dot punch   C. hole punch   D. centre punch

33) One vernier scale division of vernier bevel protractor
    A. $1^0 55'$ B. $15^0 5'$ C. $5'$ D. $1' 55''$

34) Which of the following property of metal is the ability to return its original shape after deformation when the load is removed
   A. malleability   B. stiffness   C. elasticity   D. ductility

35) The small diameter of jerno taper no: 20 is
   A. 2 inches   B. 0.2 inches   C. 2mm   D. 0.2mm

36) Jockey pulley should be put on the ....
   A. Tension side near the driver pulley   B. Tension side near the driven pulley
   C. Slack side near the driver pulley   D. Slack side near the driven pulley

37) Generally the flux used for brazing is ....
   A. Rutile   B. Sal ammonia   C. Zinc chloride   D. Borax

38) Which of the following is alloy
   A. Lead   B. Iron   C. Copper   D. Steel

39) When specifying a file, one of the following terms is not needed
   A. shape   B. Grade   C. grain   D. Size

40) Cutter in milling machine is mounted on ....
   A. Arbor   B. Spindle   C. Tool holder   D. Vice

41) Length of a Sine bar is measured by ....
   A. Length of flat surface
   B. Width of flat surface
   C. Distance between two ball centres
   D. Distance between inner sides of balls

42) .... is used to align the holes to be riveted.
   A. caulking tool   B. fullering Tool   C. drift   D. dolly

43) Straight cuts made in the edge of sheet metal where it is to be bent is known as ....notch.
   A. square   B. slit   C. slant   D. wire

44) The act of joining slip gauges is called
   A. Clamping   B. Wringing   C. Steping   D. Teaching

45) Trammel is used to scribe .... in sheet metal work
   A. Large arc   B. Notches   C. Parallel lines   D. Inclined Lines

46) A polygon has Seven sides is known as ....
   A. Pentagon   B. Hexagon   C. Octagon   D. Heptagon

47) The external angle of a pentagon is ....degrees
   A. 72   B. 108   C. 118   D. 81

48) The temperature at which the vapour is giving from the oil is called
   A. Fire point   B. Flash point   C. Pour point   D. Boiling point

49) Grease gun is an example for ....feed.
   A. Gravity   B. Force   C. Splash   D. Spray

50) Peen of a hammer is parallel to the Eye hole axis, known as ....hammer.
   A. Sledge   B. Cross peen   C. Straight Peen   D. Ball Peen

51) Spindle of bench vice has ....
   A. "V" Thread   B. Square Thread   C. knuckle Thread   D. Saw Tooth Thread

52) Which of the following is semi permanent fastener
   A. Nut and Bolt   B. Welding   C. Clutch   D. Soldering

53) When measuring Angles with sine bar the slip gauge acts as

    A. Adjacent Side   B. Opposite Side   C. Hypotenuse   D. Tangent

54) ....is not in part of combination set.

    A. Square head   B. Sprit level   C. Steel Rule   D. Scriber

55) Datum of vernier height gauge is

    A. Scriber   B. Beam   C. Vernier Zero   D. Surface plate

56) .... drilling machine has two or more spindles driven by its individual directly connected motor.

    A. Multi spindle   B. Gang   C. Radial   D. Sensitive

57) .... Sheets are used for making Acid tank because it is anti corrosive

    A. Lead   B. Aluminium   C. Black Iron   D. Tin

58) Which fastener has threading both side

    A. Bolt   B. Nut   C. Screw   D. Stud

59) When hardening a metal, brittleness property of metal will ....

    A. Increase   B. Decrease   C. No Change   D. Lost

60) Least count of Vernier micro meter is

    A. 0.0001mm   B. 0.001mm   C. 0.01mm   D. 0.1mm

TECHNICIAN (FITTER)-A-ANSWER KEY (04/07/2017)

No.	Ans	No.	Ans	No.	Ans
1	A	21	B	41	C
2	C	22	A	42	C
3	B	23	B	43	B
4	C	24	A	44	B
5	B	25	C	45	A
6	D	26	A	46	D
7	A	27	D	47	A
8	D	28	A	48	B
9	A	29	D	49	B
10	D	30	C	50	C
11	B	31	B	51	B
12	C	32	D	52	D
13	A	33	A	53	B
14	A	34	C	54	D
15	A	35	A	55	D
16	D	36	C	56	B
17	B	37	D	57	A
18	A	38	D	58	D
19	C	39	C	59	A
20	B	40	A	60	B