

TRADE : FITTER-Jr.**MONTHLY TEST : WEEK NO. 25 TO 28**DATE : SEAT NO : **TOTAL MARKS : 100 TIME : 2 Hrs. PAPER-I****TRADE CODE : 453****Note : Attempt all the questions. All questions carry equal marks****1. What 'A' represents in grinding wheel specification 32A46H8V ?**

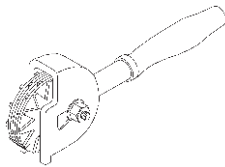
- A) Grade
- B) Grain size
- C) Type of bond
- D) Type of abrasive

2. Which type of bonded wheel is used in foundries for dressing castings ?

- A) Silicate bond B) Shellac bond
- C) Rubber bond D) Resinoid bond

3. What is the name of the tool ?

- A) Stone dresser
- B) Diamond dresser
- C) Star wheel dresser
- D) Abrasive stick dresser

**4. Which of the following is correct way of expressing fit ?**

- A) H7-40-g6
- B) 40g6-H7
- C) 40H7-g6
- B) H7-g640

5. What 'V' denotes in grinding wheel specification 32A46H8V?

- A) Bond B) Grade
- C) Abrasive D) Grain size

6. What type of abrasive wheel is used for grinding die steel?

- A) Silicon carbide
- B) Green silicon carbide
- C) White aluminium oxide
- D) Brown aluminium oxide

7. Which indicates the strength of bond in grinding wheel?

- A) Grid
- B) Grade
- C) Structure
- D) Grain size

8. How many grades of tolerances are there in Indian standard system ?

- A) 25 B) 18
- C) 26 D) 12

9. Which reamer has a long taper lead ?

- A) Socket reamer
- B) Hand reamer
- C) Machine reamer
- D) Helical fluted reamer

10. The type of fit between bush bearing and shaft is -----.

- A) Push fit
- B) Shrinkage fit
- C) Running fit
- D) Drive fit

11. What '5' denotes in grinding wheel specification 41A46H5U8?

- A) Bond B) Abrasive
- C) Structure D) Grain size

12. Which term indicates the amount of bond present between the individual abrasive grains?

- A) Grain B) Grade
- C) Abrasive D) Structure

13. What type abrasive wheel is used for grinding cemented carbides?

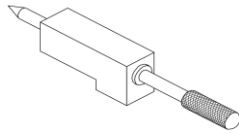
- A) Green silicon carbide
- B) Grey aluminium oxide
- C) White aluminium oxide
- D) Brown aluminium oxide

14. What is the difference between maximum limit of size and the minimum limit of size?

- A) Tolerance
- B) Basic size
- C) Limits of size
- D) Upper deviation

15. What is the tool used in grinding operation?

- A) Honing tool
- B) Abrasive stick
- C) Diamond dressers
- D) Star wheel dressers



16. What 'H' denotes in the specifications of grinding wheel 32A46H8V?

- A) Grain size
- B) Type of abrasive
- C) Grade
- D) Structure

17. What is to be done after mounting the new grinding wheel to run concentric?

- A) Truing
- B) Glazing
- C) Loading
- D) Dressing

18. What is the name of the defect, if the surface of the grinding wheel develops smooth and shining appearance?

- A) Glazing
- B) Truing
- C) Loading
- D) Dressing

19. What is measured with telescopic gauge?

- A) Depth
- B) External dimension
- C) Angular dimension
- D) Size of holes, slots and recesses

20. What '46' represent in standard marking system of grinding wheel (32A46H8V)?

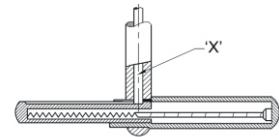
- A) Grade
- B) Grain size
- C) Type of bond
- D) Type of abrasive

21. Which is grade of tolerance?

- A) Bilateral tolerance
- B) Unilateral tolerance
- C) Fundamental tolerance
- D) Fundamental deviation

22. What is the name of part marked as 'X' in telescopic gauge?

- A) Handle
- B) Fixed leg
- C) Plunger lock
- D) Telescopic leg



23. What is the name of system if the size of the hole is kept constant, shaft is varied?

- A) Bilateral system
- B) Unilateral system
- C) Hole basis system
- D) Shaft basis system

24. What is the use of telescopic gauge?

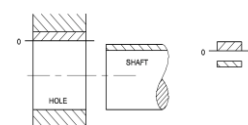
- A) Measure depth
- B) Measure external dimension
- C) Measure angular dimension
- D) Measure size of holes, slots

25. What is the term of the algebraic difference between a size, to its corresponding basic size?

- A) Deviation
- B) Upper deviation
- C) Lower deviation
- D) Actual deviation

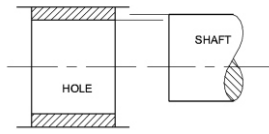
26. What is the name of the fit?

- A) Transition fit
- B) Clearance fit
- C) Shrinkage fit
- D) Interference fit



27. What is the name of fit?

- A) Transition fit
- B) Shrinkage fit
- C) Clearance fit
- D) Interference fit



28. What is the term used for the relationship exists between two mating parts?

- A) Fit
- B) Limit
- C) Tolerance
- D) Allowance

29. What is the smaller of the two limits of size?

- A) Actual size
- B) Maximum limit of size
- C) Minimum limit of size
- D) Limit of size

30. What is the number of fundamental deviation in the BIS system available?

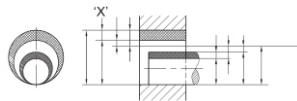
- A) 25
- B) 20
- C) 15
- D) 26

31. How many fundamental tolerance grades are available?

- A) 18 grade
- B) 25 grade
- C) 15 grade
- D) 12 grade

32. What is marked as 'X' in hole basic system?

- A) Tolerance
- B) Maximum dia
- C) Lower deviation
- D) Upper deviation



33. Which term indicates the difference between the maximum limit of size and minimum limit of size?

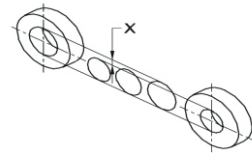
- A) Deviation
- B) Tolerance
- C) Actual size
- D) Upper deviation

34. What is the expression of 30H7/g6?

- A) Fit
- B) Limits
- C) Deviation
- D) Tolerance

35. What is marked as 'X'?

- A) Limit
- B) Tolerance zone
- C) Lower deviation
- D) Upper deviation



36. In the BIS system of limits & fits, all internal features of a component including those which are not cylindrical are designated as

- A) Hole
- B) Shaft
- C) Slot
- D) Key

37. Which gauge used to check internal thread of components

- A) Thread ring gauge
- B) Taper ring gauge
- C) Thread plug gauge
- D) Caliper gauge

38. What is the algebraic difference between the actual size and its corresponding basic size?

- A) Deviation
- B) Tolerance
- C) Actual deviation
- D) Upper deviation

39. Which type of fit, the tolerance zone of hole is below the tolerance zone of shaft?

- A) Transition fit
- B) Clearance fit
- C) Shrinkage fit
- D) Interference fit

40. In the BIS system of limits & fits, all external features of a component including those which are not cylindrical are designated as

- A) Hole
- B) Shaft
- C) Slot
- D) Key

41. What is the extreme permissible sizes within which the operator is expected to make the component ?

- A) Basic size B) Actual size
- C) Nominal size D) Limit of size

42. Which type of assembly provides interchangeability between components ?

- A) Selective Assembly
- B) Non- Selective Assembly
- C) A and B
- D) None of these

43. ----- it is the smaller of the two limits of size.

- A) Minimum limit of size
- B) Maximum limit of size
- C) High limit
- D) Low limit

44. The number positions of fundamental deviations as per IS-919 on limits, fits and tolerances are

- A) 20 positions in alphabets
- B) 25 positions in alphabets
- C) 18 positions in alphabets
- D) 16 positions in alphabets

45. ----- it is the greater of the two limit sizes.

- A) Minimum limit of size
- B) Maximum limit of size
- C) High limit
- D) Low limit

46. What the size of the component by actual measurement after it is manufactured the size as called as ?

- A) Limit of size B) Actual size
- C) Maximum size D) Minimum size

47. In which type of assembly each part fits only its mating part ?

- A) Selective Assembly
- B) Non- Selective Assembly
- C) General Assembly
- D) Mass production

48. In system of limit and fits, the deviation is ----

- A) Positive, Negative or Zero
- B) Always Positive
- C) Always Negative
- D) Positive or Negative

49. Fundamental deviation of shaft or external feature of a part is represented by -----.

- A) IT 01, IT0, IT1 ----- IT16
- B) A, B, C, D ----- Z, JS, ZA, ZB, ZC
- C) Grade 1 to Grade 18
- D) a, b, c, d ----- z, js, za, zb, zc

50. In graphical representation of the above terms, the zero line represents the basic size.

- A) Zero line
- B) Zero Deviation
- C) Zero Clearance
- D) Zero Allowance

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7.1**TRADE : FITTER-Jr.****MONTHLY TEST : WEEK NO. 25 TO 28**DATE : **PAPER-I**TRADE CODE : **453****TOTAL MARKS : 100****ANSWER KEY****Note : Attempt all the questions. All questions carry equal marks**

Q.No.	ANS
1	D
2	D
3	C
4	C
5	A
6	C
7	B
8	B
9	B
10	C
11	C
12	D
13	A
14	A
15	C
16	C
17	A
18	A
19	D
20	B
21	C
22	C
23	C
24	D
25	A

Q.No.	ANS
26	B
27	D
28	A
29	C
30	A
31	A
32	A
33	B
34	A
35	B
36	A
37	C
38	C
39	D
40	B
41	D
42	B
43	A
44	B
45	B
46	B
47	A
48	A
49	D
50	A