



AYELECH DEGEFU MEMORIAL GENERAL SECONDARY AND HIGHER EDUCATION PREPARATORY
SCHOOL

የጻፍ ክፍል የጋፍጡ/ጠ/ት/ት መለማመጃ ጥያቄዎች

4. ከምንባቡ መረዳት እንደተቻለው በጌዲኦ ማህበረሰብ ዘንድ አስተዳደሩ ምን አይነት ነበር፤
ሀ. ወገናዊነትን የተላከለ ለ. በመንግስት አስተዳደር የሚመራ
ሐ. ህዝባዊ ስርዓትን የተከተለ መ. ከመንግስትና ከህዝብ በተወጣጡ መሪዎች የሚመራ
5. የራባ ባለስልጣኖች የስልጣን ደረጃ ምንድን ነው?
ሀ. በወቅቱ ያለውን አስተዳደርና ስልጣን ሀላፊነት መያዝ
ለ. ጥፋት በፈፀሙ ወንጀለኞች ላይ የፍርድ ውሳኔ መስጠት
ሐ. በሶንጎ ዘንድ የተወሰነውን ውሳኔ ይግባኝ መጠየቅ
መ. የበሀይቻ ችሎት በጥፋተኛ ላይ የወሰነውን የፍርድ ውሳኔ ማስፈፀም
6. በገዳ ስርዓት መሰረት ለህብረተሰቡ የመተዳደሪያ ህግና ስርዓት የሚያመጡት እነማን ናቸው?
ሀ. የባዎች ለ. ሉባዎች ሐ. ራባዎች መ. ደራሳዎች
7. “ሶንጎ” ተብሎ በሚጠራ የማህበረሰቡ የበላይ ጉባኤ እየተሰበሠቡ ህብርተሰቡን ያስተዳድሩ የነበሩ እነማን ናቸው?
ሀ. ደራሳ፣ ሶንጎ፣ ራባ፣ የባ፣ ሉባ ለ. ጀልቀባ፣ በሀይቻ፣ ሶንጎ፣ ደራሳ
ሐ. ጀልቀባ፣ ገዳ፣ ሮጋ፣ ሀይቻ መ. በሀይቻ፣ ሶንጎ፣ ራባ፣ የባ፣ ሉባ
8. የጌዲኦ ህዝብ “ራባ” ሉባ፣ እና የባ” ተብሎ በሶስት ተከታታይ የዕድሜ ክልሎች ተከፋፍሎ የተመደበው ለምንድን ነው?
ሀ. ለህዝባዊ አስተዳደር ምርጫና አሰራር እንዲያመች በማሰብ
ለ. የህዝቡ የአኗኗር ሁኔታ የሚጠይቀው ግዴታ በመሆኑ
ሐ. ለህዝባዊ አስተዳደር መኖር አንዱ መከሰቻ መንገድ ነው ተብሎ ስለሚታመንበት
መ. በዚህ አይነት መንገድ መከፈሉ ጥንቱንም ቦሆን የነበረ ስለነበረ
ትዕዛዝ ሁለት፡- ከዚህ በታችየቀረቡትን ልዩልዩ ቃላትን ፍች፤ፈሊዊ አነጋገሮች፤ እንቅስቃሴዎችና ምሳሌያዊ አነጋገሮችን እንደ ጥያቄዎቹ መንፈስ ትክክለኛ መልሳቸውን በመምረጥ መልሱ፡፡
9. ማቀናጀት ሀ. ማለያየት ለ. ማጣበቅ ሐ. ማጣመር መ. ማገኘት
10. ድሎት ሀ. ምችት ለ. ሀብት ሐ. ጨንራ መ. ጉበት
11. ሙስና ሀ. ግልግል ለ. ቅሚያ ሐ. ዝርፊያ መ. ጉበኛነት
12. እድምተኛ ሀ. ቤተሰብ ለ. ሙሽራ ሐ. ሚዜ መ. ተሳታፊ
13. መላተም ሀ. መጣላት ለ. መጋጨት ሐ. መዋጋት መ. መነታሪክ
14. አይነ-ደረቅ ሀ. የማያለቅስ ለ. ፈጣጣ ሐ. እድፍም መ. ሀናለ
15. የምድር ጉድ ሀ. ጠንቋይ ለ. ድባኖ ሐ. ካህን መ. ቧልተኛ
16. የወገብ ቅማል ሀ. ተባይ ለ. ቁንጫ ሐ. ነዝናዛ መ. ተብታባ
17. የቀበሮ ባህታዊ ሀ. አስመሳይ ለ. መነኩሴ ሐ. ባዕድ መ. ባልደረባ
18. ልቡ-ሠባ ሀ. ተበተ ለ. ወፈረ ሐ. ደለባ መ. ጎፈየ
19. ነጋዴ የሚጣለው ተክልን እውቁልኝ ሀ. ዝናብ ለ. ቀረጥ ሐ. ትርፍ መ. ማንጎ
20. በእጅ ይዘራ በአፍ ይለቀም ምንድን ነው? ሀ. ማር ለ. መብራት ሐ. እንጀራ መ. መፅሀፍ
21. ቢበላም ጉብ ባይበላም ጉብ የሚለው እንቅስቃሴ ፍች የቱ ነው?



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ሀ. ቤት ለ. ድስት ሐ. ሞሰብ መ. መሳሪያ

22. መምህ “እኔ የሚጠበቅብኝን ሁሉ ሰርቻለሁ” ከዚህ በኋላ የእናንተ ስራ ይሆናል አሉ።
የሚለውን ሀሳብ የቱ ይገልፀዋል።

ሀ. ስራችሁ ያውጣችሁ ለ. ጀር ደባ ልበስ
ሐ. ሜዳውም ያው ፈረሰም ያው መ. በሬ ያርሳል አህያ ምርቱን ያፍሳል

23. የተለየ ፍች ያለው የቱ ነው?

ሀ. የማታ ሩጫ እንቅፋት ነው ትርፍ ለ. የአህያ ቀበጥ ከጅብ ጡት ትጠባለች
ሐ. አይጥ ለሞቷ የድመት አፍንጭ ታሽታለች መ. መክት ሲሠባ ሾተል ይልሳል

24. የዘመድ ጥል የሥጋ ትል ለሚለው ምሳሌያዊ አነጋገር በፍች የሚቀርበው የቱ ነው?

ሀ. ያመኑት ፈርስ ይጥል በደንደስ ለ. አህያ ለአህያ ቢራገጥ ጥርስ አይሰብርም
ሐ. ሚዳቋ ዘላ ዘላ ከምድር መ. በወንድሜ ግንባር ደም አልይበት

25. ከሚከተሉት ተረትና ምሳሌዎች አፍራሽ መልዕክት ያለው የቱ ነው?

ሀ. ትምህርት በልጅነት አበባ በጥቅምት ለ. ልጅ ያለ ልጅ አከለ
ሐ. እልፍ ሲሉ እልፍ ይገኛል መ. መታፈር በከንፈር

26. ጥጡን ነድፈሽ ነድፈሽ ባልጋ ቆልለሻል ይህን አመልምላሽ ብተይ ይሻላል።

ቅኔው ለመፍታት የሚያገለግለን ዘዴ የቱ ነው?

ሀ. ቃልን መሰንጠቅ ለ. ቃላትን መገጣጠም ሐ. ቃልን ማትበቅና ማላላት መ. የቃልን ፍች ማወቅ

27. ነጠላ ነው ልብሴ አገር ጠይቁብኝ

ይበርደዋል ብለሽ እንዳትደርቢብኝ።የዚህ ቅኔ ወርቅ -----ነው

ሀ. ነጠላ ብለብስም ብርድ አይነካኝም ለ. ባለትዳ ባልሆንም አትጨነቁልኝ
ሐ. ችግርኛ ብሆንም ለእኔ አታስቢ መ. ሌላ ፍቅርኛ በእኔ ላይ አትያዥብኝ

9. ማቀናጀት ሀ. ማለያየት ለ. ማጣበቅ ሐ. ማጣመር መ. ማገናኘት

10. ድሎት ሀ. ምቹት ለ. ሀብት ሐ. ጨንራ መ. ጉበት

11. ሙስና ሀ. ግልግል ለ. ቅሚያ ሐ. ዝርፊያ መ. ጉበኝነት

12. እድምተኛ ሀ. ቤተሰብ ለ. ሙሽራ ሐ. ሚዜ መ. ተሳታፊ

13. መላተም ሀ. መጣላት ለ. መጋጨት ሐ. መዋጋት መ. መነታሪክ

14. አይነ-ደረቅ ሀ. የማያለቅስ ለ. ፈጣጣ ሐ. እድፍም መ. ሀናለ

15. የምድር ጉድ ሀ. ጠንቋይ ለ. ድባኖ ሐ. ካህን መ. ቧልተኛ

16. የወገብ ቅማልሀ. ተባይ ለ. ቁንጫ ሐ. ነዝናዛ መ. ተብታባ

17. የቀበሮ ባህታዊ ሀ. አስመሳይ ለ. መነኩሴ ሐ. ባዕድ መ. ባልደረባ

18. ልቡ-ሠባ ሀ. ተበተ ለ. ወፈረ ሐ. ደለበ መ. ጎፊየ

19. ነጋዴ የሚጠላው ተክልን እወቁልኝ ሀ. ዝናብ ለ. ቀረጥ ሐ. ትርፍ መ. ብድር

20. በእጅ ይዘራ በአፍ ይለቀም ምንድን ነው?

ሀ. ማር ለ. መብራት ሐ. እንጀራ መ. መፅሀፍ

21. ቢበላም ጉብ ባይበላም ጉብ የሚለው እንቅፅልሽ ፍች የቱ ነው?

ሀ. ቤት ለ. ድስት ሐ. ሞሰብ መ. መሳሪያ

22. መምህሩ “እኔ የሚጠበቅብኝን ሁሉ ሰርቻለሁ” ከዚህ በኋላ የእናንተ ስራ ይሆናል አሉ።
የሚለውን ሀሳብ የቱ ይገልፀዋል።



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ሀ. በሞሰቡ ሙሉ ይቅረብ እንጀራው አስተዳዳሪያችን ሆደ ሰፊ ነው

ለ. ይቆጡኝም እንደሁ ይመቱኝም እንደሁ ይኸው ቆምኩልዎያለምጣም ምኒልክ ብዩ ሰደብኩዎ

ሐ. በላሁ ይበቃኛል ከእንጀራ ከወጡ እግዚአብሔር ይስጥልኝ ከሞሰቡ አይጡ

መ. ጠላቴ ነህ እንጅ መች ወዳጄነህ አትድረስ ከደጄ አንተናልይህ

37.በግጥም ውስጥ የቀለማትን መጠን በሀረግ ውስጥ የምንለካበት ዘዴ--ይባላል፡፡

ሀ. ምት ለ. ምጣኔ ሐ. ዜማ መ. ድምፀት

38.ከሚከተሉት አንዱ ምናባዊ ሥራ አይደለም፡፡

ሀ.ልብወለድ ለ.ግጥም ሐ. ተውኔት መ.የህይወት ታሪክ

39.የስነ-ቃልን ብያኔ የማይመለከተው የትኛው ሀሳብ ነው?

ሀ.አንድ የስነ-ፅሁፍ ዘርፍ ነው

ለ. ከተፃፉ ስነ-ፅሁፎች የሚለይበት ባህሪ የለውም

ሐ. በቃል ከትውልድ ወደ ትውልድ የሚተላለፍ ዘርፍ አለው መ. ሁሉም መልስ ነው

40.ከሚከተሉት አንዱ ሀተታዊ አረፍተነገር ነው?

ሀ.ጀግና ወታደር ያስፈልገናል ለ. ቶሎ ጨርሱ ሐ. ስነ-ሥርዓት ከሌላችሁ አልመጣም መ. ሀ ና ለ

41.እንደፈሪ ለምን ትርበደበዳለህ? በዚህ አረፍተነገር ውስጥ ስንት ሀረግ አለ?

ሀ.2 ለ.3 ሐ.1 መ.4

42.በሀረግ መዋቅር በአጠቃላይ መሪውን ፣ መሙያውን፣አጉላማሹንና ሌላ ተዋቃሪውን የሚይዝ እርከን ----- ይባላል፡፡

ሀ.ንኡስ ሀረግ ለ. አብይ ሀረግ ሐ. አጃቢ ሀረግ መ. መጣኝሀረግ

43.ስለ አማርኛ ቋንቋ ምሳሌያዊ አነጋገሮች ትክክል የሆነው የቱ ነው?

ሀ.ግጥማዊ ባህሪ አላቸው ለ. ዜማን ይፈጥራሉ ሐ.አይረሴነት ባህሪ አላቸው መ. ሁሉም

44. ውሻ እና ውሻ በአጥንት ይጣላ፤

በአውሬ ይስማማ፡፡ የዚህ ምሳሌያዊ አነጋገር ትርጉም

ሀ.ለወዳጅ ጥቂት ይበቃዋል ለ. እሳትና ውሃ ሲነኩት አይወድም

ሐ. በጋራ ጠላት የሚተባበሩ በግል ጥቅም ይጨቃጨቃሉ

መ.ሰዎች እንዳይስማሙ የግል ጥቅም ያጠቃቸዋል

45. የቃል ክፍልን በተመለከተ ልዩ የሆነው የቱ ነው?

ሀ. እውነት ለ. ሰላም ሐ. ፍቅር መ.ጀግና

46.አንድ ብቸኛ የትኩረት ነጥብ ብቻ ያለው የስነ-ፅሁፍ ዘርፍ የቱ ነው?

ሀ.ረጅም ልብ ወለድ ለ. አጭር ልብ ወለድ

ሐ. አፈ ታሪክ መ. ሀተታ ተፈጥሮ

47.ከሚከተሉት አንዱ ቅፅል አይደለም፡፡

ሀ. ፈሪ ለ.ጀግና ሐ. ግጥም መ. ሳቂታ

48.ከማሠሪያ አንቀፅ የሚቀርብን ሀሳብ ፣ ሁኔታ ከጊዜ እና አካሄድን አንፃር የሚገልፅ

ሀ.ቅፅል ለ. ተውሳክ ግስ ሐ. የስም ገላጭ መ.የመስተዋድድ ተገዥ

49.ቃል ጉባኤን በተመለከተ ትክክል የሆነው?

ሀ. ፅሁፋዊ ሰነድ ነው

ለ. የተመረጠ ሀሳብ ይይዛል

ሐ. ውሳኔ ለማስተላለፍ ይረዳል

መ. ሁሉም



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የጻፍ ክፍል የጋሮ/ጠ/ት/ት መለማመጃ ጥያቄዎች

50. የግጥም ባህሪ ያልሆነው የቱ ነው?

ሀ. ቃል መምረጥ ለ. ዘርዛሪነት ሐ. ምት መኖር መ. ምስል መፍጠር

51. በተፈጥሮ የማይመሳሰሉ ሁለት ነገሮችን ወስደን የሚመሳሰሉባቸውን መልኮች ወይም ባህሪያት በማውጣት ያለማነፃፅሪያ ቃላት የምንገልፅበት የዘይቤ አይነት ምን ይባላል?

ሀ. ግነት ለ. አነፃፃሪ ሐ. ተለዋዋጭ መ. ሰውኛ

52. ከሚከተሉት አንዱ ሰውኛ ዘይቤ ነው?

ሀ. ሺ. ቢታለብ ያው በገሌ አለች ድመት ሐ. አባትህን ሺ. ጊዜ ሰላም በልልኝ
ለ. ሀና ነብር ነች መ. ይህ መምህር የአዋቂ ዳር ነው

53. በአንድ አይነት ቤት የተደረገ የስንኞች ስብስብ መጠሪያ ----- ይባላል።

ሀ. አርኬ ለ. ስንኝ ሐ. አንኝ መ. ሀናሐ

54. ከሚከተሉት አንዱ የድርብ ሰረዝን አገልግሎት አይገልፅም።

ሀ. ድርብ አረፍተ ነገሮችን ለማያያዝ ለ. ከሚዘረዘሩ ነገሮች በፊት ይገባል
ሐ. የሚዘረዘሩ ነገሮችን ለመለየት መ. ከጥቅስ በፊት ይገባል

ትዕዛዝ አምስት፡- ከዚህ በታች የቀረበውን ግጥም በማንበብ ከስሩ የቀረቡትን ጥያቄዎች መልሱ፡፡

ምነው ሀኪም ጠፋ ለምን ዳኛ ታጣ?
ሀዘቡን ለሚፈጀው ለወገን ባለንጣ።
ወላጅን ያለልጅ ልጅን ያለወላጅ፤
አንደኛውን ከአንዱ ነጥሎ የሚፈጅ።
መድሀኒት ከጠፋ ሀኪም ከጠፋለት፤
ምን አለበት ታዲያ ህግ ቢወጣለት።

ለዚህ አገር አጥፊ ወገን ለሚቀጥፈው፤
በሀኪም ቢታከም መዳኛ ለጠፋው።
ምነው ህግ ወጥቶለት አንቀፅ ተፅፎለት፤
ኸረ የህግ ያለህ! ወገን አለቀብን፤
ከፈጣሪ በታች አንተው ነህ ያለኸን።

ምንጭ ፡- ኑሩ ኢብራሂም ግንቦት 5 1992
ለፈተና የተወሰደ

55. ለዚህ ግጥም የሚስማማው ርዕስ የትኛው ነው?

ሀ. ነፍስ ገዳይ ለ. ኸረ የህግ ያለህ ሐ. የህግ የበላይነት መ. ኤድስና መዘዙ

56. ግጥሙ ስንት ስንኞች አሉት? ሀ. 10 ለ. 12 ሐ. 8 መ. 6

57. በግጥሙ ውስጥ በራብፅ የሚጨርሱ ስንኞች ስንት ናቸው ?

ሀ. 8 ለ. 4 ሐ. 6 መ. 2

58. ከፈጣሪ በታች አንተው ነህ ያለኸን። ተብሎ የተገለፀው ነገር ምንድን ነው?

ሀ. ኤድስ ለ. ህግ ሐ. ቄስ መ. ሀኪም

59. የሚያክም ሀኪምም ሆነ የሚዳኝ ዳኛ ጠፋ የተባለው በምን ምክንያት ነው?

ሀ. እስከ አሁን ድረስ ኤድስን የሚፈውስ መድሐኒት ባለመኖሩ እና በሽታው ሀዘቡን መጨረሱ
ለ. ለህግ የማይገዛ አመፀኛ ሽፍታ ህብረተሰቡን ጨፍጭፎ በመግደሉ
ሐ. ትክክለኛ ህክምናና ፍትሀዊ ፍርድ ባለመስጠቱ
መ. ማንነቱ ያልታወቀ ጠላት በድብቅ ገብቶ ሀዘቡን ስለመጨረሱ



60. ግጥሙ የተገጠመው በምን ቤት ነው?

ሀ.በሰንጉ መገን ቤት ለ. በወሃ ቤት ሐ. በቡሄ በሉ ቤት መ. አይታወቅም

ADM English Work sheet for grade-8

THE STORY OF SCIENCE

1. The great changes that place in the seventeenth and eighteenth centuries begin a new age in the history of man – the age of science. In the nineteenth century science grew very fast and brought about great changes all over the world. **It** was a time of many great inventions and discoveries. We will mention a few examples. Michael Faraday discovered some important laws of electricity. Morse used electricity to invent telegraphy, and Edison made electric lamps. At the end of the century Marconi invented wireless telegraphy. Later this led to the invention of radio.

2. In the nineteenth century too, people began to use steam to run trains and ships, and petrol to run motor- cars. For the first time man was able to travel fast, faster than even horse back! But much greater things were to follow.

3. In our century inventions and discoveries have taken place year after year. Man has learned to fly and travel faster than ever before. The first aero planes flew at about 30 miles an hour; but that was just a beginning.

4. Today there are jet planes that can travel a thousand kilometers an hour. Some of **them** can even go faster than sound. Suppose you are shouting to a friend standing a few hundred meters away from you. And suppose one of these jet planes is flying from you towards your friend, at the same time. The jet plane will reach your friend before he hears your shout! Spacecraft can go still faster –about 20,000 miles an hour; that is, more than mile a second. Scientists are using spacecraft to travel in space and to study distant planets. In 1969 two men, Armstrong and Collins, traveled for three days in space and landed on the moon. We are in fact at the beginning of a new age of space travel. People might begin traveling to the planets in our own life time; and when you grow up, some of you might even visit the moon for a holyday!

5. One of the most important discoveries of our time is that of the atomic power. Many countries have used this discovery to make bombs, but that is not its only use. Scientists

የጾቻ ክፍል የግኛጡ/ጠ/ት/ት ጠለማጠፂ ጥያቄዎች

have started using it to run factories and to drive ships. The use of atomic power may bring about important changes in industry.

6. Here we have told only a small part of the story of science. The story is going on, and, we know greater things will follow!

7. People have a part to play in this great story. Scientists and governments are trying hard to spread the knowledge of science in the world and to increase its use in industry and agriculture. Governments in developed countries around the world have made a good beginning; **they** have opened many colleges of science, built dams and power stations, and started building many new industries. **They** have built some atomic power stations too. But here is much more that they want to do; they have only made a small beginning.

(Source: English Reader-Book II; Special Serious, 1987)

1. Because of the introduction of scientific discoveries, man was able to:
 - A. Learn to fly and travel faster than ever before.
 - B. Begin to use steam to run trains and ships .
 - C. use petrol to run motor-cars.
 - D. all
2. Which one of the following sentences is false about the passage?
 - A. Michel Faraday discovered some important laws of electricity
 - B. wireless telegraphy was discovered by Edison
 - C. Morse was able to invent telegraphy
 - D. Marconi was able to invent wireless telegraphy
3. Scientists used space craft's to:
 - A. invent wireless telegraphy
 - B. study distant planets
 - C. discover aero plane
 - D. travel on earth
4. One of the most important discoveries of our time is _____
 - A. the discovery of electricity
 - B. the invention of aero planes
 - C. the invention of atomic power
 - D. the discovery of jet planes
5. Now a day's scientists are attempting to expand the knowledge of science in _____ and _____
 - A. power stations and dams
 - B. agricultures and collages
 - C. industries and collages
 - D. industries and agricultures
6. According to the information in the passage, which one of the following means of transports travels faster than any others?
 - A. aero plane
 - B. motor-car
 - C. jet plane
 - D. train
7. The first space scientists that traveled in space for three days and landed on the moon are ___ & ___
 - A. Marconi and Armstrong
 - B. Armstrong and Michel Faraday
 - C. Marconi and Collins
 - D. Collins and Armstrong
8. The pronoun "It" in paragraph 1 refers to:

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የጾታ ክፍል የግንባታ/ጠ/ት/ት ሙሉ ስም ጥያቄ ያድርጉ

A. the nineteenth century B. the age of science C. the eighteen century D. the great change

9. The pronoun “**They**” in paragraph 7 refers to:

A. governments’ B. scientists’ C. people D. space craft

10. The pronoun “**Them**” in paragraph 4 refers to:

A. Aero planes B. motor-cars C. jet planes D. developed countries

Part Two: Grammar and Usage

Instruction: Among the given alternatives choose the one that best completes each sentence.

11. Did the students _____ their duty?

A. accomplish B. accomplished C. are accomplishing D. have accomplished

12. She developed health problems _____ poor sanitation.

A. because B. though C. because of D. consequently

13. We spent several days without attending our lesson, so we _____ to complete the units in the expected time. A. will be able B. won’t be able C. can D. might

14. While Gashaw _____ a pencil, he _____ his finger.

A. sharpened/ was cutting B. was sharpening/ cut
C. sharpen/ was cutting D. is sharpening/ was cut

15. I slept on a bed _____ did not have a mattress. A. where B. who C. which D. whose

16. _____ you study hard, you won’t pass the exam. A. If B. When C. Unless D. While

17. She failed to finish her work _____ she started early.

A. although B. because C. as D. however

18. If I _____ the money, I would have bought the house.

A. have had B. had had C. have D. had

19. Please come to my birthday party. It is _____ Saturday, _____ the afternoon _____ 6 o’clock.

A. at/ in/ on B. in/ at/ on C. on/ at/ in D. on/ in/ at

20. The street _____ to traffic. A. closed B. was closed C. have closed D. will close

21. A wheel barrows _____ carry things. A. used to B. are used to C. are used for D. is using

22. Before Tomas went to the school, he _____ his homework.

A. had finished B. has finished C. finished D. used to finish

23. The future couple _____ by parents before marriage takes place.

A. is advised B. advises C. advised D. has advised

24. Teacher: _____ did he write the letter?

Student: He wrote the letter neatly. A. When B. Why C. How D. What

25. My father is _____ old _____ plough.

A. too/ too B. too/ to C. enough/ to D. enough/ too

26. The school director asked _____ for _____ opinion.

A. I/ mine B. my/ me C. me/ my D. me/ mine

27. Zerihun: I don’t like to eat porridge.

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Mastewal: _____.

- A. So do I. B. Neither do I. C. So I do. D. Neither I do.

28. _____ my mother _____ my father lives in Bahir Dar. They both live in Jimma.

- A. Either . . . or B. Both . . . and C. Either . . . nor D. Neither . . . nor

29. Father: _____

Son: I am reading a news paper.

- A. What did you read? B. What were you reading?
C. What are you reading D. What do you often read?

30. Direct speech: "Can you speak English?" the teacher asked me. Which one of the following sentences is correct when it is converted to indirect speech after a few days later.

- A. She asked me can I speak English. C. She asked me whether I could speak English.
B. She asked me could you speak English. D. She asked me if you can speak English.

31. Almaz _____ with her friends yesterday because she was seriously ill.

- A. did play B. played C. hasn't played D. didn't play

32. Your daughter is _____ intelligent _____ polite. All the teachers like her very much.

- A. neither . . . nor B. both . . . and C. either . . . or D. either . . . nor

33. My sister usually _____ films in the evenings.

- A. is watching B. has watched C. has been watching D. watches

34. The children are playing _____ in the street.

- A. happily B. happy C. happiness D. happier

35. Konjit is learning English. She _____ by a professor from a university.

- A. is teaching B. has taught C. is being taught D. she has been teaching

36. Ashenafi _____ his career as a pianist before he was thirteen years old.

- A. had started B. have started C. was starting D. has started

37. You live in the fifth floor, _____ ? A. isn't you B. don't you C. do you D. are you

38. I don't remember the place _____ I met you. A. when B. where C. which D. whom

39. Bezawit: I have a bad cold today. What shall I do?

Firnis: You _____ take a cup of lemon juice. Lemon is rich in vitamin C.

- A. might B. must to C. should D. shouldn't

40. We _____ our lunch yet because we are now taking our examination.

- A. have eaten B. haven't ate C. have ate D. haven't eaten

41. Do you think Mathematics is _____ easy _____ English?

- A. as . . . as B. as . . . than C. very . . . than D. more . . . than

42. _____ the students has answered all the questions.

- A. All B. Every C. Each of D. Half of

43. We have an electric bell _____ it can remind students and teachers about change of activities.

- A. although B. so that C. however D. As a result

44. Kirubael was _____ best student in the class. A. the B. a C. more D. very

45. I watched such an _____ film that I was really _____ in it.

የጻፉ ክፍል የግኝት/ጠ/ት/ት ጠለማጠፂ ጥያቄዎች

- A. interested/ interesting B. interesting/ interested
C. interested/ interested D. interesting/ interesting
46. If it rained, the meeting ____ be postponed. A. would B. will C. would have D. can
47. The exam we did at first semester was _____ than the second semester.
A. much difficult B. much more difficult C. most difficult D. difficult

Part Three: Vocabulary in Context

Instruction: The items from 48 up to 51 contain words or phrases in bold. Guess their meanings from the context and choose the best meaning as they are used in each sentence.

48. This is the **venue** where we celebrate the National Holiday every year. **Venue** means: ____
A. anniversary B. place C. national competition D. song
49. Whenever my teacher found out that I wasn't doing my home work, she would **yell** at me, and ordered to write it ten times. **Yell** means: ____.
A. shout B. shut C. apologize D. please
50. The story was too **somber**. I prefer something with a happier setting. **Somber** means: ____
A. noisy B. lengthy C. sad. D. sleepy
51. I passed all my exams. This made my mother proud. **Proud** means: ____
A. angry B. annoyed C. gratified D. sad

Part Four: sentence comprehension

Instruction: choose the sentence that has the same or nearly the same meaning as in the original sentence in each case.

52. My friend could have scored high marks.
A. My friend was able to scored high marks.
B. My friend studied very hard. Therefore, he scored high marks.
C. My friend didn't score high marks.
D. Hopefully my friend can score high marks.
53. Our class is not as large as the school hall.
A. The school hall is larger than our class. C. The school hall is not as large as our school.
B. Our class is as larger as the school hall. D. Our class is larger than the school hall.
54. Kedir likes playing tennis and Basher, too.
A. Kedir likes playing tennis but not Basher.
B. Kedir and Basher don't like playing tennis.
C. Basher likes playing tennis but not Kedir.
D. Kedir likes playing tennis and so does Beshir.
55. If she had worked hard, she would have passed the exam.
A. She worked hard. Therefore, she passed the exam.
B. She didn't work hard. Therefore, she didn't pass the exam.
C. She worked hard so that she passed the exam.
D. She didn't work hard but she passed the exam.

Part Five: Paragraph Coherence

Instruction: Sentences a-e in each of the questions from 56-58 make up a complete paragraph.

56. a. Dallol is found in the Afar region of Ethiopia.
b. This makes the place very difficult for wild life to live and vegetation to grow
c. It is one of the lowest and hottest areas of the world.
d. Temperatures can reach as high as 145⁰c in the sun.
e. There is no rain for most of the year, and the highest annual rainfall is only 200mm.
A. a, c, d, e, b B. c, e, a, d, b C. c, a, b, e, d D. e, c, a, b, d
57. a. She usually wakes up early.
b. Shewit is an obedient girl of her parents.
c. At the end, she washes the utilities and goes to school.
d. She serves the already prepared meal to her Family.
e. Then she makes breakfast for the family.
A. a, b, e, d, c B. b, a, e, d, c C. b, d, e, a, c D. d, b, a, c, e
58. a. Every year one million children die of malaria.
b. Malaria is very common in many parts of the world.
c. However, people must also cooperate to stop its spread.
d. Governments have special programs to control malaria.
e. Many others cannot go to school or work because of malaria.
A. a, b, c, e, d B. b, a, e, d, c C. b, d, a, e, c D. a, e, b, c, d

Part six: word order

Instruction: The following words are not in the proper order, when put in the right order,

59. the/how/accident/did/happen?
A. How the accident did happen? C. How did the accident happen?
B. The accident how did happen? D. How did happen the accident?
60. just/teacher/the/home/gone/has
A. The teacher just has gone home. C. Just the teacher has gone home.
B. The teacher has just gone home. D. The teacher has gone home just.



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ህብረተሰብ ት/ት

ትዕዛዝ አንድ፡- ለሚከተሉት ጥያቄዎች ትክክለኛውን መልስ ምረጥ/ጭ

- 1. በአለም ከሚገኙ አህጉሮች መካከል በስፋቱ ትንሹ አህጉር -----ይባላል።
ሀ. አውስትራሊያ ለ. አውሮፓ ሐ. አንታርክቲካ መ. ሰሜን አሜሪካ
- 2. ፈጣን የህዝብ ቁጥር ዕድገት የሚያስከትለው ተዕዕኖ የቱ ነው?
ሀ. የምግብ እጥረት ለ. የዋጋ ጥረት ሐ. የመኖሪያ እጥረት መ. ሁሉም
- 3. ለ አለም ሙቀት መጨመር ዋነኛ መንስኤ የሆነው በካይ -----ነው።
ሀ. አክሲድን ለ. ናይትሮጂን ሐ. ሀይድሮጅን መ. ካርቦንዳ አክሳይድ
- 4. ከሚከተሉት የተፈጥሮ ሀብቶች መካከል አላቂ/የማይታደስ/የትኛው ነው?
ሀ. አየር ለ. ውኃ ሐ. እፅዋት መ. የድንጋይ ክሰል
- 5. ብዙ ህዝብ ሰፍሮ የሚገኘው በ -----አካባቢ ነው?
ሀ. ለም አፈር ባለበት ለ. ንፁህ አየር ባለበት ሐ. ውሀ በሚገኝበት
- 6. በ2ኛ የአለም ጦርነት መጨረሻ ላይ አሜሪካ ቦንብ የጣለችው በማን ሀገር ላይ ነው?
ሀ. በጃፓን ለ. በሩሲያ ሐ. በእንግሊዝ መ. ሁሉም
- 7. ቀዝቃዛ በረሐዎች በየትኛው ንፍቀ ክብብ ይገኛሉ?
ሀ. በሰሜን ለ. በደቡብ ሐ. በምዕራብ መ. መልስ የለም
- 8. በአለም በስፋቱ አንደኛው ውቅያኖስ -----ይባላል



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- ሀ. ፓስፊክ ለ. አትላንቲክ ሐ. ህንድ መ. አርክቲክ
- 9. ከሚከተሉት አህጉሮች መካከል ሰው የማይኖርበት አህጉር የቱ ነው?
ሀ. አንታርክቲካ ለ. እስያ ሐ. አውሮፓ መ. አፍሪካ
- 10. የቀለጠው አለት መሬት ውስጥ ሲሆን -----ይባላል
ሀ. ንምራ ህዕም ለ. ማግማ ሀናለ መ. መልስ የለም
- 11. ከሚከተሉት ሀይማኖቶች በጃፓን የሚገኘው ሀይማኖት የቱ ነው?
ሀ. ቡዲዝም ለ. እስልምና ሐ. ሽንቶይዝም መ. ይሁዲ
- 12. የአለም ምጣኔ ሀብት የተመሰረተው በ -----ላይ ነው
ሀ. በንግድ ለ. በኢንዱስትሪ ሐ. በግብርና መ. ሁሉም
- 13. አዲስ አበባ የተቆረቆረችው በ -----ዓ.ም ነው?
ሀ. 1897 ለ. 1898 ሐ. 1879 መ. 1890
- 14. የአዲስ አበባ ክፍለ ከተሞች ብዛት -----ናቸው።
ሀ. 11 ለ. 10 ሐ. 9 መ. 8
- 15. በአፍሪካ ከፍተኛ የባቡር መስመር ስርጭት የሚታየው በ -----ሀገር ነው?
ሀ. ኬንያ ለ. ደ.አፍሪካ ሐ. በታንዛኒያ መ. በኢትዮጵያ
- 16. የተጓዳኝ መስመር ሌላው መጠሪያ ስም -----ይባላል።
ሀ. መነሻ ዋልታ ለ. ቋሚ መስመር ሐ. ኬንትሮስ መ. ትይዩ መስመር
- 17. የአንደኛው የአለም ጦርነት ከመጀመሩ በፊት የተመሰረቱት የጦር ቃልኪዳን ቡድኖች መካከልየሶስትዮሽ ህብረት የሚባሉት የትኞቹ ናቸው?
ሀ. ፈረንሳይ፣ሩስያና እንግሊዝ ለ. ጀርመን፣ኦስትሪያና ሀንጋሪ
ሐ. እንግሊዝ፣ፈረንሳይና ጀርመን መ. ኢጣሊያ፣ፈረንሳይና እንግሊዝ
- 18. በቻይና የታወቀው ፈላስፋ-----ይባላል?
ሀ. ኮንፊሽየስ ለ. አፍላጠን ሐ. ስቅራጥስ መ. ሁሉም
- 19. በምዕራብ አፍሪካ የዘንባባ ፍሬ ዘይት ለማምረት የምትታወቀው ሀገር -----ናት
ሀ. ግብፅ ለ. ናይጄሪያ ሐ. ሱዳን መ. ማሊ
- 20. በአፍሪካ በስፋቱ አንደኛው ሀይቅ ማን ይባላል?
ሀ. ታንጋኒካ ለ. ቪክቶሪያ ሐ. ማላዊ መ. ጣና
- 21. መሬት እኩል ከሁለት የሚከፈለው መስመር -----ይባላል?
ሀ. ምህዋር ለ. የምድር ወገብ ሐ. መነሻ ዋልታ መ. ዛቢ
- 22. ሁለተኛው የመሬት ንጣፍ-----ይባላል?
ሀ. ቅርፊት መሬት ለ. ማዕከለ መሬት ሐ. እምብርተ መሬት መ. ሁሉም
- 23. የመሬት ውጫዊ ሽፋን -----ይባላል?
ሀ. ቅርፊተ መሬት ለ. እምብርተ መሬት ሐ. ማዕከለ መሬት መ. ሁሉም
- 24. ቀድሞ የደን ሽፋን ባልነበረበት ስፍራ የዛፍ ችግኞችን መትከል -----
ይባላል?ሀ. ድነና ለ. ዳግም ድነና ሐ. ጠምራ እርሻ መ. መ/የለም
- 25. ከቅፈተ አካላት የሚገኝ የሀይል ምንጭ -----ይባላል?
ሀ. ነዳጅ ዘይት ለ. የድንጋይ ከሰል ሐ. የተፈጥሮ ጋዝ መ. ሁሉም
- 26. አለቶች በአፈጣጠራቸው በእድሜያቸው በ -----ይከፈላሉ
ሀ. በ2 ለ. በ3 ሐ. በ5 መ. በ6
- 27. ቅርፈተ መሬት በ -----ይከፈላል
ሀ. በ3 ለ. በ2 ሐ. በ5 በ. በ6
- 28. የዱር እንስሳት ከሚለያዩበት ነገር መካከል



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- ሀ. በአመጋገብ ለ. በአረባብ ሐ. በአኗኗር መ. ሁሉም
- 29. በአለም ትልቁ አህጉር -----ነው?
ሀ. ሰሜን አሜሪካ ለ. አፍሪካ ሐ. አውሮፓ መ. መልሱ የለም
- 30. በአፍሪካ የመጀመሪያ የፖለቲካ ፓርቲ የተቋቋመው በ -----ሀገር ነው?
ሀ. በኬንያ ለ. በዩጋንዳ ሐ. በታንዛኒያ መ. ደቡብ አፍሪካ
- 31. በአለም በእርዝመቱ የሚታወቀው ወንዝ ማን ይባላል?
ሀ. ናይል ለ. አማዞን ሐ. ደንቡቭ መ. ሚሲሲፒ
- 32. በሚይዘው የውሀ መጠንና ስፋት በዓለም አንደኛው ወንዝ-----ይባላል?
ሀ. አማዞን ለ. ናይል ሐ. ደንቡብ መ. ዋቢ ሸበሌ
- 33. የሮማንያን ህዝባዊ መንግስት የመጀመሪያው ንጉሥ ነገስት-----ተብሎ ይጠራ ነበር? ሀ. አውግስጦስ ቄሳር ለ. ጂሊየስ ቄሳር ሐ. ሄሮዲቶስ መ. ኮንፋሽየስ
- 34. በግሪክ ታዋቂ ፈላስፋዎች መካከል የሆነው?
ሀ. አርስጣጣሊስ ለ. አፍላጦን ሐ. ሶቅራጥስ መ. ሁሉም
- 35. ዘመናዊ የኦሎምፒክ እስፓርት የተጀመረው በ -----ሀገር ነው?
ሀ. በሮም ለ. በቻይና ሐ. በጋና መ. በግሪክ
- 36. ከሚከተሉት ውስጥ የአለም ህዝብ በመግባቢያነት የሚጠቀምበት ቋንቋ -----ይባላል።
ሀ. ፈረንሳይኛ ለ. እስፓኒሽ ሐ. አረብኛ መ. እንግሊዝኛ
- 37. የኢስኪሞች ኑሮ የተመሰረተው በ-----ነው?
ሀ. በክብት እርባታ ለ. በኢንዱስት ሐ. በንግድ መ. አሳ በማስገር
- 38. በቻይና በይፋ የሚነገር ቋንቋ -----ይባላል።
ሀ. እስፓኒሽ ለ. አረብኛ ሐ. እንግሊዝኛ መ. መንደሪን
- 39. አራት/ቶራ/ የተባለው ሀይማኖት የሚገኘው በ-----ሀገር ነው?
ሀ. በህንድ ለ. በእስራኤል ሐ. በጃፓን መ. መልስ የለም
- 40. የግብፅ ስልጣኔ የተጀመረው በ-----ወንዝ ሸለቆ ነው?
ሀ. በአማዞን ለ. በናይል ሐ. በዩሎው መ. በደንቡቭ
- 41. በሮም ህዝቦች ከሶስቱ መደቦች መካከል ባለመሬቶች የሚባሉት የትኞቹ ናቸው? ሀ. ፓትሪሺያኖች ለ. ኤኩቴስ ሐ. ፕሌቢያኖች መ. ሁሉም
- 42. የቻይና ስልጣኔ የተጀመረው በ -----ወንዝ ነው?
ሀ. በናይል ለ. በቢጫ ወንዝ ሸለቆ ሐ. ለአማዞን መ. በኢንዱስ
- 43. በመላው አፍሪካ ከሚነገሩ ቋንቋዎች መካከል በተናጋሪ ብዛት አነስተኛ የሆነው የትኛው የቋንቋ ቤተሰብ ነው?
ሀ. ኒጄር ኮንጎ ለ. አፍ ኤስያዊ ሐ. ናይሎ ሰሀራዊ መ. ኮሂሳን
- 44. ቻይናውያን ከሰሩት ስራዎች ጋር አብሮ የማይሄደው የቱ ነው?
ሀ. ወረቀት ለ. የሀር ጨርቅ ሐ. ስኒዎች መ. የቆዳ ውጤቶች
- 45. የእስልምና የዘመን አቆጣጠር የሚጀምረው በየትኛው ዓመተ ምህረት ነው?
ሀ. በመዲና ዘመን ለ. በመካ ሐ. ቶራ መ. ሄጅራ
- 46. ከሚከተሉት አደጋዎች መካከል በህይወትና በንብረት ላይ ከፍተኛ ጉዳት የሚያደርስ የቱ ነው?
ሀ. የጎርፍ መጥለቅለቅ ለ. መብረቅ
ሐ. የኤሌክትሪክ አደጋ መ. የእሳተ ገሞራ ፍንዳታ



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MATHEMATICS GRADE 8

I. Choose the correct answer from the given alternative.

- 1. One of the following two square nos which added to give a square no.
- A. 9 and 16 B. 4 and 9 C. 7 and 4 D. none
- 2. One of the following is square no.
- A. 2016 B. 2012 C. 2025 D. 2020
- 3. Let $x=1.56$, then x^2 is -----

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A. 2.783 B.2.434 C. 3.567 D.0.343

----- 4. The Area of a square is $49m^2$. what is the length of each side?

A. 7m B.8m C.9m D.10m

----- 5. One of the following is the cubic root of 243 is

A. B. 9 C.27 D.

----- 6.One of the following is not true?

A. $(a+b)(a+b) = a^2 + 2ab + b^2$
 B. $(2m+n)(2m+n) = (2m)^2 + 4mn + n^2$
 C. $(a-b)(a+b) = a^2 - b^2$
 D. $(3a+2b)(3a-b) = (3a)^2 - (2a)^2$

----- 7. ----- is a symbole or letter such as x,y and z used to represent an unknown no (value).

A. Algebric expression C. like terms
 B. Variables D. unlike terms

----- 8. A man is $8x$ years old now. How old be will be in $12x$ years .

A. $96x$ years B. 96 years C. $12x$ years D. 48 years

----- 9. The product of $(4x+4)$ and $(3x+8)$ is -----

A. $12x^2 + 20x + 32$ C. $12x^2 + 32$
 B. $12x^2 + 44x + 32$ D. $12x^2 + 64x + 32$

----- 10. The heighest common factor of $4ab^4c^2$ and $12a^2a^2b^3cd$

A. ab^3 B. $4acb^3$ C. $12acb^3$ D. acb^3d

----- 11. The solution set of $3(6t+7) = 5(4t+7)$ is -----

A. $\{t:t=7\}$ B. $\{t:t=-7\}$ C. $\{t:t=1/4\}$ D. $\{t:t=1/7\}$

----- 12. A machine takes 5 minutes to produce a special type of container. How long would the machine take to produce 15 containers?

A. 80 B. 82 C. 42 D. none

----- 13. The value of x for $12 - = +$ is -----

A. $\{25\}$ B. $\{21\}$ C. $\{29\}$ D. $\{27\}$

----- 14. Let the sum of three consquetive even nos is 624 , then the nos are -----

A. 103, 105, and 107 C. 204, 208 and 212
 B. 206, 208 and 210 D. 204 , 206 and 208

----- 15. The solution set of the inequality $4x-6 \geq 10$ is -----

A. $\{x: x \geq 4\}$ B. $\{x: x \geq 4\}$ C. $\{x: x > 4\}$ D. $\{x: x < 4\}$

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----- 16. Y

2

-2

X

One of the following is true about the given graph of $y=x+2$

A. The slope is negative

C. The point (0,1) lies on the graph

B. The slope is one

D. The point (2,0) lies on the graph.

----- 17.

A

D

In figer find DE

A.25

B.15

C.10cm

D.21

C

E

F

_____ 18.If two triangles are similar and the length of a side of one of the triangle is 4 times that of the

Corresponding sides of the other, than the ratio of the area of the triangles is _____

A. 1:16

B. 1:4

C. 1:32

D.1:2

_____ 19. One of the following is not true about circle

A. A tangent line can be drawn at a point outside the circle

B. The diameter of a circle can be drawn two points on the circle.

C. Secant line of a circle can be drawn at two point on the circle

D. Radius is a line segment which is drawn two points in side the circle.

_____ 20. Let O be the centere of the circle and straight line AOB is parallel to DC, then the value of $\angle x$ is

B

A. 46°

B. 67°

C

C. 113°

A

D. 226°

D

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_____ 21. In the figure below , find the measure of $\angle x$ is _____

- Q P A. 140°
B. 120°
174⁰ 106⁰ C. 100°
D. 62°

R S
_____ 22. A fair six sided die is rolled .what is the probability of getting three or more
A. B. C. D.

_____ 23. One of the following is best example of impossible event

- A. A baby born today was a girl
B. The sun rise in the west
C. The sea will disappear
D. All

_____ 24. The probability of an even is one and the event is called _____

- A. Certain event C. an equal chance
B. Impossible event D. likely event

_____ 25. One of the following is exactly false.

- A. The probability of an event happening is always greater than or equal to zero and less or equal to one.
B. The probability of an event that is certain to occur is 1.
C. Suppose that two dies are tossed , and then the probability of the sum one is also one.
D. The set of all possible out comes of an experiment is called a sample space.

_____ 26. A letter is chosen at random from the words MATHEMATICS. What is the probability that the letter C
chosen ?

- A. B. C. D.

_____ 27. In the figure below, ABC is right angle triangle and $AC = 5$ and $DC = 4$, then the value of AB is

- A A.35 B. 45 C.65 D.36

D

B

C

_____ 28. What is the height of an isosceles triangle .with two congruent sides of length 5m and the Base of length 8cm.

A. 3cm

B. 4cm

C. 5cm

D. 6cm

_____ 29. Which one of the following trigonometric ratio is correct about an acute angle A in the given right-angle triangle.

A. $\sin(\angle A) =$

C. $\sin(\angle A) =$

B. $\cos(\angle A) =$

D. $\tan(\angle A) =$

_____ 30. Which one of the following is true about a regular pyramid?

A. The pyramid must be a right pyramid

B. The base of the pyramid must be a regular polygon

C. The lateral edges of a regular pyramid are all equal in length

D. All

_____ 31. Which one of the following is the converse of Euclid's theorem.

A. $a^2 = c^2 \times c$ and $b^2 = c^2 \times c$ if ABC is right angled.

b

a

B. In right angle triangle (ABC) $c^2 = a^2 + b^2$

B

C. If $a^2 + b^2 = c^2$, then ABC is right angled.

A

D. $a^2 + b^2 = c^2$

C

_____ 32. In the figure below, what is the value of X?

A. 6

B. 20

C. 10

D. 12

X

X+4

_____ 33. _____ is a comparison of two or more quantities (magnitudes) of the same kind, in the same unit.

A. Proportion B. ratio

C. Percentage

D. position

_____ 34. If a, b and c are nos such that a: b: c = 3:4:5 and b=20 , then the sum of a +b +c is _____

A. 40

B. 50

C. 60

D. 80



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_____ 35. If out of 80 students in a class 30 are boys, then the ratio of boys to girls is _____

- A. 3:10 B. 3:15 C. 3:30 D. 3:5

_____ 36. If 10 students can do a job in 5 days how long will it take in 2 students to do the same job?

- A. 3 days B. 2 days C. 1 day D. 4 day

_____ 37. What percent of 80 is 30?

- A. 37.5 % B. 27.4% C. 52.5% D. 25%

_____ 38. The price of sugar has been birr 800 per quintal. Later it rose to birr 1400 . what percent increase was this?

- A. 65% B. 75% C. 90% D. 50%

_____ 39. In the figure below, what is the sum of the measure of angles marked x,y,z e,f

- A. 180° B. 360°
C. 420° D. 450°

- Give answer for question 40-43 based on the following data

V 1 2 4 3 5

F 4 5 3 1 2

_____ 40. The mean is _____

- A. 4.1 B. 2.6 C. 3 D. 4

_____ 41. The mode is _____

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- A. 2 B.3 C.5 D.4

42. The median is _____

- A.8 B. 2.5 C.3 D. none

43. The range is _____

- A. 4 B. 3 C. 2 D. 10

44. One of the following is differ from other.

- A. $2x+1$ B. $3x^2+2$ C. D. $x-1$

45. Which one of the following is true?

- A. The smallest polygon is triangle
B. Square is a parallelogram
C. Rectangle has at most three diagonals
D. None

Biology

I. Choose the best answer

1. A branch of biology which deals about the classification of living organisms?

- A. Entomology B. zoology C. anatomy D. taxonomy

2. One of the following is capable of photosynthesis?

- A. bacteria B. fungi C. algae D. moulds

3. One of the following is differ from the other.

- A. cell B. tissue C. matrix D organ

4. one of the following is the largest cell in human beings are

- A. bone cell B. skin cell C. nerve cell D. muscle cell

5. The site of protein synthesis in cells is.

- A. ribosome's B. nucleus C. mitochondria D. cell membrane

6. The pigment responsible for the colour in fruits and flower are found in....

- A. leucoplasts B. chromoplasts C. hydroplastes D. chloroplasts

7. Prokaryotic cells are found in _____

- A. protozoans B. human's C. animal's D. plants

8. Eukaryotic cells are found in _____.

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- A. virus B. bacteria C. blue green algae D. protozoan

9. Chlorophyll is synthesized by _____.

- A. chloroplast B. chromoplast C. leucoplast D. Golgi apparatus

10. The cellular activities are controlled by _____

- A. mitochondria B. ribosome's C. liposome's D. nucleus

11. The site of energy release are _____

- A. mitochondria B. ribosome's C. nucleus D. centromeres

12. One of the following is responsible absorbing minerals and water?

- A. root B. stem C. leaf D. flower

13. The structure of a cell is related to its _____

- A. size B. function C. colour D. all of the above

14. The area on the earth where life exists collectively is _____ -

- A. biomass B. ecosystem C. biosphere D. mesospheric

15. The first tropic level an organism's are _____ -

- A. consumer's B. producers' C. secondary consumer D. primary consumer

16. A balanced aquarium is best describes an examples of

- A. a population B. a community C. an ecosystem D. none

16. in a food web, carnivore's are _____

- A. producer B. primary consumer C. saprophytes D. secondary or tertiary consumer

17. the most complex prey_ predator relationship exists in _____

- A. forest B. marine biomass C. desert D. savannas

18. A quadrant is necessary to estimate the number of _____

- A. plants B. insect C. aquatic animals D. all of the above

19. A closed container for keeping land and amphibious animals in their natural habitats is _____.

- A. aquarium B. terrarium C. vivarium D. B and C

20. The apparatus used to collect crawling animals from the ground is _____

- A. pitfall trap B. tullgren funnel C. butterfly net D. aspirator

21. An biological material used to collect grasshopper and otherground living insects by swiping near the ground

- A. butterfly B. sweep net C. aspiration D. pitfall trap

22. A chemical used to preserve a soft boded animal's such as earth worm and amphibians is _____.

- A. 70% alcohol B. 4% formalin C. A and B D. none

23. Fermentation is takes place by _____

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- A. yeast B. mucor C. bacteria D. protozoa
24. The dominant generation in vascular plants is _____
A. gametophyte B. sporophyte C. fern D. flower
25. A typical seed contains all of the following except .
A. a cotyledon B. a seed coat C. sori D. an embryo
26. Insects has have the following structures except.
A. Three body regions B. three pairs of legs C. one pair of antennae D. none
27. All of the following are the mouth parts of grasshopper except:
A. maxillae B. mandible C. labium d. spiracle
28. The transformation of an immature form of an insect to the adult insect is called _____
A. development B. metamorphosis C. growth D. gastrula ion
29. The drones in honey bees are _____
A. female bees B. male bees C. fertile bees D. A and B
30. The worker bees are _____.
A. male fertile B. male sterile bee's C. female sterile bee's D. fertile bees
31. In the development of insects the inactive and non-feeding stage is ____
A. pupa B. larva C. imago D. instar
32. The back legs of grass hopper are used for ____
A. jumping B. walking C. flying D. eating
33. A tubular mouth parts of a housefly used to suck _semi-liquid foods is ____
A. labarum B. labium C. mandible D. proboscis
34. Which one of the following deficiency disease is caused by the lack of iron?
A. anaemia B. pellagra C. Kwashiorkor D. goiter
35. agro- chemicals are included:
A. insecticide B. fertilizers C. pesticides and her D. all are correct
36. One of the following is not the behaviour of healthy person?
A. normal body growth B. good apatite
C. normal body temperature D. the body parts may be damag
37. Which one of the following true about good farming practices?
A. crop rotation B. using fertilizer
C. planting wind barker tree on farm land D. all are true

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38. Both a camera and our eyes have
A. opening for light to enter B. lens C. objective of light action to form image
39. _____ is helps to observes animals in the field
A. thermometry B. sphygmomanometers C. Microscope D. binocular
40. The function of microscopes
A. magnification B. listing C. resolution D. A and B
41. Which one of the following is relevance of biology to society?
A. health B. population growth C. nutrition D. all
42. The main vein of the following is not an internal structure of a leaf?
A. spongy layer B. epidermis C. lamina D. vascular bundle
43. The flat parts of the leaf is called?
A. petiole B. lamella C. leaf blade D. A and C
44. One of the following is not dicotldn?
A. pea's B. bean C. roses D. teff
45. Which one of the following is not an external structure of roots?
A. root cup B. root hair C. cortex D. epidermis
46. Which one of the following gropes of plants has true root, stem and leaves?
A. algae B. ferns C. mosses D. liverworts
47. The major photosynthetic organ in flowering plant is:
A. stem B. Root C. leaf D. flower
48. Which one of the following is not a female reproductive structures of flowering plants?
A. stigma B. another C. style D. pistil
49. Which one of the following is not a cross pollinating agent?
A. wind B water C. animal's D. large birds
50. Which one of the following are unique characteristics of the angiosperms?
A. seeds B. fruits C. double fertilization D. insect pollination
51. The female anopheles mosquito lays eggs.
A. in stagnant water B. on foods C. in houses D on decaying matter
52. Complete metamorphosis is a characteristic of:
A. beetle B. house fly C. mosquito D. all



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የጾቻ ክፍል የግኛጡ/ጠ/ት/ት መለማመጃ ጥያቄዎች

53. One of the following is an example of social insects except?

- A. ants B. bees and wasps C. termites D. house fly

54. Among the castes of honey bee the one largest in size is:

- A. drones B. queen C. worker D. all

55. What cast of a honey bee arises from unfertilized egg?

- A. queen B. drone C. worker D. none of the above

56. How many queen honey bees are normally found in a single hive?

- A. One B. two C. three D. four

II. Answer question number 57- 60 based on the food web diagram given below

Hawk

Rabbit

snake

Mouse

Wild flower

grass

57. the most abundant organisms in the community are the _____

- A. rabbit B. wild flower s and grass C. snake and rabbits D. hawks and mouse

58. Which organisms are the primary food producers in the community?

- A. rabbit and mouse B. wild and hawk C. rabbit and hawk D. wild flower and grass

59. Which organisms are herbivores of the community?

- A. hawk and snake B. rabbit and snake C. wild flower and grass D. rabbit and mouse

የስነ ዜጋና የስነ-ምግባር ት/ት

ትእዛዝ አንድ : ለሚከተሉት ጥያቄዎች ትክክለኛውን መልስ ምረጥ/ጭ

_____ 1. የዴሞክራሲ ስርዓት ግንባታ መርህ ያልሆነው የቱ ነው?

ሀ. የመንግስት ባለስልጣናት የበላይነት ሐ. ተጠያቂነትና ግልፅኝነት

ለ .የህዝብ ሉአላዊነት መ. ሁሉም መልስ ነው

_____ 2. የዴሞክራሲ ባህል መዳበርን የሚያሳይ ገለፃ የቱ ነው?



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ሀ. አለመግባባቶችን በውይይት መፍታት ሐ. ያሌሎችን ሀሳብ ዝቅ ማድረግ

ለ. ከብዙሀኑ ውሳኔ ይልቅ ለራስ ውሳኔ ቅድሚያ መስጠት መ. መልስ አልተሰጠም

3. መንግስታዊ ተቋም ያልሆነው የቱ ነው?

ሀ. የሲቪክ ማህበራት ለ. ፍርድ ቤት ሐ. ፖሊስ መ. እንባ ጠባቂ ተቋም

4. የፌዴራል የስነ ምግባርና የፀረ ሙስና ኮሚሽን ተግባር ያልሆነው የቱ ነው?

ሀ. ሙስናን ይከላከላል ሐ. የፀረ ሙስና ትምህርቶችን ያስፋፋል

ለ. ብልሹ አሰራርን ይከላከላል መ. መልስ አልተሰጠም

5. ከሚከተሉት የዴሞክራሲ ተቋማት መካከል የህብረተሰቡን ተሳትፎ መሰረት በማድረግ ወንጀል መከላከል ዓላማው የሆነው የቱ ነው?

ሀ. የፀረ ሙስና ኮሚሽን ሐ. እንባ ጠባቂ ተቋም

ለ. የግል መገናኛ ብዙሀን መ. ፖሊስ

6. በዴሞክራሲ ስርዓት የፍርድ ቤቶችና የዳኞች መገለጫ የሆነው የቱ ነው?

ሀ. ሚዛናዊ መሆን አለባቸው ሐ. ከሀይማኖት ተፅዕኖ ነፃ መሆን አለባቸው

ለ. ከፖለቲካ ተፅዕኖ ነፃ መሆን አለባቸው መ. ሁሉም መልስ ነው

7. በፌዴራልና በክልል መንግስታት መካከል በአሁኑ ወቅት በኢትዮጵያ ያለው ልዩነት ምንድን ነው?

ሀ. የሁለቱም የስልጣን አካላት አወቃቀራቸው ተመሳሳይ መሆን

ለ. በፌዴራል መንግስት የፌዴሬሽን ምክር ቤት መኖር

ሐ. የኢፌዴሪ መንግስት በሁለቱ መንግስታት በጋራ መዋቀሩ

መ. ሁሉም መልስ ነው

8. ለፌዴራል መንግስት ብቻ የተተወ ስልጣን የቱ ነው?

ሀ. ግብር መሰብሰብ ሐ. የክልል መንግስታትን ፖሊስ መምራትና መቆጣጠር

ለ. ገንዘብ ማተም መ. መልስ አልተሰጠም

9. በኢፌዴሪ ህገመንግስት ለክልሎች ብቻ የተሰጠ ስልጣን የቱ ነው?

ሀ. የውጭ ግንኙነት ማድረግ ሐ. ካላንደር ማውጣት

ለ. እራስን በራስ ማስተዳደር መ. መከላከያ ሀይልን ማስተዳደር

10. በኢፌዴሪ መንግስት የፌዴራልና የክልል መንግስታት የጋራ ስልጣን የቱ ነው?

ሀ. ጤናንና ትምህርትን መምራት ሐ. ግብር መሰብሰብ

ለ. ከጉረቤት ሀገሮች ጋር የንግድ ስምምነት ማድረግ መ. ሁሉም መልስ ነው

11. ኢትዮጵያ የውጭ ግንኙነቷን የበለጠ ለማጠናከር ሊግኦፍኔሽንን በአባልነት

የተቀላቀለችው እንደ አውሮፖውያን አቆጣጠር መቼ ነው ?



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ሀ. በ1945 ለ. በ1963 ሐ. በ1923 መ. በ1896

_____ 12. የኢትዮጵያ የውጭ ግንኙነትን አስመልክቶ ትክክል ያልሆነው የቱ ነው?

- ሀ. የአፍሪካ አንድነት ድርጅትን መስራች ናት
- ለ. በተለያዩ ሀገሮች እያደረገች ያለው የሰላም ማስከበር ሚና ከፍተኛ ነው
- ሐ. ወደ አውሮፓ የሰላም አስከባሪ ሰራዊት ልካለች
- መ. መልስ አልተሰጠም

_____ 13. የኤፌዴሪ የውጭ ግንኙነት መርህ ያልሆነው የቱ ነው

- ሀ. ሰላምን ለማስፈን ብሔራዊ ጥቅምን አሳልፎ መስጠት
- ለ. መከባበርንና የጋራ ተጠቃሚነትን ማረጋገጥ
- ሐ. በሌሎች ሐገሮች የውስጥ ጉዳይ ጣልቃ አለመግባት
- መ.ሁሉም መልስ ነው

_____ 14 የፍትህ መንገድ የሚያስከትለው ችግር ምንድን ነው?

- ሀ.የዴሞክራሲ ስርዓት ግንባታ ይዳከማል ሐ.አድሎክዊ አሰራር ይወገዳል
- ለ.የዜጎች የስራ ተነሳሽነት ይጨምራል መ.ሁሉም መልስ ነው

----- 15 የፍርድቤቶች መሰረታዊ ከሆኑ መርሆዎች መካከል ትክክለኛው የቱ ነው ?

- ሀ.የዳኝነት ነፃነት ሐ.ኢ ፍታህዊነት
- ለ.ወገንተኝነት መ.መልስ አልተሰጠም

----- 16. በኢ.ፌ.ዴ.ሪ ህገመንግስት ውስጥ የዳኝነት ነፃነት አስመልክቶ የተደነገገው መብት አንቀፅ ስንት ነው?

ሀ. አንቀፅ 39 ለ.አንቀፅ 25 ሐ. አንቀፅ 35 መ. አንቀፅ 79

----- 17. በኢ.ፌ.ዴ.ሪ ህገመንግስት መሰረት የፍትህ አካላት መብትን አስመልክቶ ትክክል ያልሆነው የቱ ነው?

- ሀ.በፌዴራልም ሆነ በክልል የዳኝነት ስልጣን የፍርድቤቶች ብቻ ነው
- ለ. በየትኛውም ደረጃ የሚገኝ የዳኝነት አካል ከማንኛውም ተፅእኖ ነፃ ነው
- ሐ. ዳኞች ከህግ በስተቀር በሌላ አይመሩም
- መ መልስ አልተሰጠም

----- 18. ማህበራዊ አገልግሎት ውስጥ የማይመደብ የቱ ነው?

ሀ.ትምህርት ለ.ጤና ሐ.የህዝብ አስተዳደር ጉዳዮች መ.መልስ አልተሰጠም

----- 19. ወንጀለኛን በህግ መሰረት መቅጣት የማን ተግባር ነው?

ሀ. የአቃቢ ህግ ለ.የፍርድ ቤት ሐ. የፖሊስ መ. ሁሉም መልስ ነው

----- 20. ትክክለኛና ወቅታዊ መረጃ ለህዝቡ የሚያቀርብ ተቋም ምን ይባላል?

ሀ.የፌዴሬሽን ምክር ቤት ሐ.ህገመንግስት



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ለመገናኛ ብዙሀን

መ.የክልል ምክር ቤት

----- 21. ከሚከተሉት ዓረፍተ ነገሮች መካከል ትክክል የሆነው የቱ ነው?

ሀ. መስናቢያ ለመከላከል ፖሊሶች ብቻ በቂ ናቸው

ለ. የሮያሊቲ ክፍያ አንድ ደራሲ የስራ ውጤቶች በተሸጡ ቁጥር የሚከፈለው ክፍያ ነው

ሐ. የስልጣን ገደብ መኖር ከግልፅኝነትና ከተጠያቂነት ጋር አይገናኝም

መ. መልስ አልተሰጠም

----- 22. በአንድ ሀገር ዜጎች መካከል የእኩል ተጠቃሚነት መርህ ካልሰፈነ የሚያስከትለው ጉዳት ምንድን ነው?

ሀ. ቅራኔዎች ይወገዳሉ

ሐ. በዜጎች መካከል የበላይነትና የበታችነትን ያስከትላል

ለ. ሰላም ሰፍኖ ጦርነት ይወገዳል

መ. ሁሉም መልስ ነው

----- 23. የፆታ እኩልነት የሚሰጠው ጥቅም ምንድን ነው?

ሀ. ሴቶች ለሀገር ብልፅግና ከወንዶች በላይ አስተዋፅኦ ያደርጋሉ

ለ. የወንዶችን የበላይነት በማደከም የሴቶችን የበላይነት ያረጋግጣል

ሐ. የተፋጠነ ዘላቂ ልማትን እውን ያደርጋል

መ. መልስ አልተሰጠም

----- 24. የስልጣን ገደብ አለመኖር የሚያስከትለው ችግር ምንድን ነው?

ሀ. መስናቢያ ይዳከማል

ሐ. ፍትህ ይዛባል

ለ. ዘፈቀዳዊ አሰራር አይኖርም

መ. ሁሉም መልስ ነው

----- 25. ህጎችን ፣ አዋጆችንና ስምምነቶችን የማውጣት ሀላፊነት በኢ.ፌ.ዴ.ሪ መንግስት የማን ነው?

ሀ. የህዝብ ተወካዮች ምክር ቤት

ሐ. የሚኒስትሮች ምክር ቤት

ለ. የፌዴሬሽን ምክር ቤት

መ. የፍርድ ቤት

----- 26. መመሪያዎችንና ደንቦችን የማውጣት እና የመፈፀም ስልጣን የማን ነው?

ሀ. የሚኒስትሮች ምክር ቤት

ሐ. የክልል ምክር ቤት

ለ. ህገመንግስት አርቃቂ ኮሚቴ

መ. መልስ አልተሰጠም

----- 27. ሚስጥርን ለመጠበቅ መደረግ የሚገባቸው ጥንቃቄዎች ምንድን ነው?

ሀ. ሚስጥር የሆኑ ጉዳዮችን ለይቶ ማወቅ

ሐ. ቸልተኝነትን ማስወገድ

ለ. መልካም ስነ ምግባርን መገንባት

መ. ሁሉም መልስ ናቸው

----- 28. በክልሎች መካከል የሚነሱ ግጭቶችን የመፍታት ስልጣን በኢ.ፌ.ዴ.ሪ ህገመንግስት የማን ነው?

ሀ. የክልል መስተዳድር

ሐ. የክልል ምክር ቤት

ለ. የህዝብ ተወካዮች ምክር ቤት

መ. የፌዴሬሽን ምክር ቤት



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- 29. ሚስጥርን አለመጠበቅ በሀገር ላይ የሚያስከትለው ችግር ምንድነ ነው?
ሀ. ሚስጥሮች ከጠላት አጅ ቢገቡም ሀገር ልትደፈር አትችልም
ለ. የሀገር ሀብት ሊባክን ፣ ሊዘረፍና ሊወድም ይችላል
ሐ. የወንጌላኞች ሴራ ይቅንላል
መ. ሁሉም መልስ ነው
- 30. በኢ.ፌ.ዴ.ሪ መንግስት ሀገመንግስትን የመተርጉም ስልጣን የማን ነው?
ሀ. የፍርድቤቶች ለ. የፌዴሬሽን ምክር ቤት ሐ. የህዝብ ተወካዮች ምክር ቤት መ. ሁሉም መልስ ነው
- 31. ሙስናን ለማስወገድ አስፈላጊ ከሆኑት ዋና ዋና ምክንያቶች መካከል ትክክል የሆነው የቱ ነው?
ሀ. ሙስና የዴሞክራሲ ስርዓትን ያሰፍናል ሐ. ሙስና ለህዝብ እድገትና ኑሮ ፀር የሆነ ነው
ለ. ሙስና የዕድገት ነፃነትን ያሰፍናል መ. ሁሉም መልስ ነው
- 32. ልዩነቶች በሰላም እንዳይፈቱ የሚያደርጉ አንቅፋቶች ምንድን ናቸው?
ሀ. ውይይት ለ. መደማመጥ ሐ. አለመቻቻ መ. መልስ አልተሰጠም
- 33. የህግ የበላይነትን አስመልክቶ ትክክል ያልሆነው የቱ ነው?
ሀ. ሁሉም ሰው በህግ ፊት እኩል ነው ሐ. ለዴሞክራሲ ስርዓት ዋና መሰረት ነው
ለ. ስልጣን በነፃ የፖለቲካ ውድደር ብቻ እንዲያዝ ያደርጋል መ. መልስ አልተሰጠም
- 34. በኢ.ፌ.ዴ.ሪ ሀገመንግስት መሰረት የመምረጥና የመመረጥ መብት መከበርን በሚመለከት ትክክል የሆነው የቱ ነው?
ሀ. ማንኛውም ዜጋ እድሜው 21 ሲሆን ብቻ የመምረጥ መብት አለው
ለ. ማንኛውም ዜጋ እድሜው 18 ሲሞላው የመመረጥ መብት አለው
ሐ. የኢ.ፌ.ዴ.ሪ ንጋዝዳንት የሚመረጠው በቀጥተኛ የዴሞክራሲ ስርዓት ነው
መ. መልስ አልተሰጠም
- 35. የራስን ንፅህና እንዲሁም ደህንነት በአግባቡ መጠበቅ ምን አይነት ሀላፊነት ነው?
ሀ. ግለሰባዊ ሀላፊነት ለ. ማህበራዊ ሀላፊነት ሐ. ሀገመንግስታዊ ሀላፊነት መ. የቡድን ሀላፊነት
- 36. ከሚከተሉት ውስጥ የስራ ስነ-ምግባር ያልሆነው የቱ ነው?
ሀ. ስራን በከፍተኛ ፍጥነትና በዝቅተኛ የጥራት ደረጃ ማከናወን
ለ. የስራ መግቢያና መውጫ ሰዓትን ማክበር
ሐ. የድርጅት ንብረትን በአግባቡ መያዝ
መ. ሁሉም መልስ ነው
- 37. ሀገራችን ኢትዮጵያን ደሀ እንድትሆን ካደረጓት ምክንያቶች መካከል በዋናነት የሚጠቀሰው የቱ ነው?
ሀ. የህብረተሰቡ ጠንካራ የስራ ባህል መዳበር ሐ. የዜጎቿ የዳበረ የቁጠባ ባህል መኖር



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- _____ 58 ራስን ማክበር ማለት ምን ማለት ነው?
 ሀ. ማንነትን እንዳለ መቀበል
 ለ. ማንነትን በስኬትም ይሁን በውድቀት ጊዜ መቀበል
 ሐ. ለራስ ሀሳብና ስራ ክብር መስጠት
 መ. ሁሉም መልስ ነው
- _____ 59. መልካም አስተዳደር ተጓድሏል ለማለት የሚያስችል ተግባር የቱ ነው?
 ሀ. የባለጉዳዮች በአገልግሎት መርካት
 ለ. የሙስና አስተሳሰብና ተግባር መዳከም
 ሐ. በስራቸውና በስነ ምግባራቸው ምስጋና ሰራተኞች መብዛት
 መ. አድሎአዊ አሰራር መንሰራፋት
- _____ 60. በየአለቱ ከሚደረጉ የተለያዩ የንግድ ዝውውር ወይም ልውውጥ በመንግስት የሚሰበሰብ ገቢ ምን ይባላል?
 ሀ. ቀረጥ
 ለ. ታክስ
 ሐ. እሴት ታክስ
 መ. ኮንትሮባንድ



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A.D.M School 2012 E.C 2nd Semester Chemistry for Grade 8

I. Choose the best answer from the given alternatives

- _____ 1. Chemistry deals with _____?
A. A properties of substances C. the structure & substances
B. The composition & transformation of substance D. All
- _____ 2. _____ is industry locatd at bahir dar
A. Garment B. Dashen Beer C. Mosobo cement D. Foam & Plastics
- _____ 3. _____ studies the properties, the structure of organic substances & the chemical reactions taking place in our body.
A. Geo Chemistry B. Bio Chemistry C. physical Chemistry D. None
- _____ 4. Which of the following processes does not involves the application of chemical knowledge?
A. Manufacturing drugs to treat diseases
B. Producing fertilizers that helps farmers to produce maximum yield
C. Classifying organisms according to their similarities
D. Testing the purity of a sample of water
- _____ 5. _____ is a physical property?
A. Decomposition B. Reactivity C. Rusting D. Boiling point
- _____ 6. Which of the following is achemical change.
A. Decaying of food B. drying wet clothes C. Grinding of chalk D. Melting of iron
- _____ 7. Among the following which one is not a pure substances
A. Ink, milk & blood B. oxygen, mercury & Brass
B. Water, suger, table salt D. All
- _____ 8. Which one of the following is true about compound?
A. Can not decomposed in to simpler substance by chnmical chamges
B. Has constant composition
C. Has not fixed in their composition by means of element represent
D. It has not own physical & chemical properties
- _____ 9. One of the following is not a metal?
A. Calcium B. Magnesium C. Nitrogen D. iron
- _____ 10. Which element is liquid at room temperature?
A. Mercury B. copper C. bromine D. A & C
- _____ 11. Which of the following substance can be broken down into other new simpler matter by a chemical method
A. Hydrogen B. Water C. oxygen D. Sodium
- _____ 12. A mixture of oil and water can be separated by using _____?

የጾቻ ክፍል የግኛጡ/ጠ/ት/ት ጠለማጠፂ ጥያቄዎች

- A. Filter paper B. evaporation dish C. separatory funnel D. conical flask

- _____ 13. Homogenous mixture are composed of _____ phases
A. Two B. Three C. Four D. one
- _____ 14. Which one of the following is not an example of heterogeneous mixtures?
A. Sugar solution B. Vegetable soup C. Mixture of sand & salt D. Milk
- _____ 15. Mixture of sulfur powder & iron fillings are separated by?
A. Distillation B. magnetization C. crystallization D. Decantation
- _____ 16. Physical change _____
A. Accompanied by energy C. the change is easily reversed
B. New substance is formed D. change the composition of substance
- _____ 17. Which elemtns symbol is derived from its latin name?
A. Iron B. Gold C. Potassium D. All
- _____ 18. The chemical symbol for tin is _____
A. Sn, B. Ti C. Tn D. Sb
- _____ 19. The latin name of sodium is _____
A. Kartium B. Natrium C. Plumbium D. Argentnium
- _____ 20. Which of the following is trivalent?
A. Hydrogen B. Magnesium C. Aluminum D. Potassium
- _____ 21. Which of the following is a polyatomic ion?
A. So₄ B. So₃ C. NH₄ D. A & C
- _____ 22. The combining power of an element with another is _____
A. Vacancy B. Subscript C. Symbol D. Prefix
- _____ 23. What is the coefficient of MgO when the following equation is balanced?
 $Mg + O_2 \rightarrow MgO$
A. 1 B. 2 C. 3 D. 4
- _____ 24. Which chemical formula is correctly write
A. Mg - Cl B. Al₃ O₂ C. Mg Cl₂ D. Al O
- _____ 25. What will be the coefficient of Hydrogen, if the following chemical equation is balanced?
 $Al + H_2 SO_4 \rightarrow Al_2 (SO_4)_3 + H_2$
A. 2 B. 4 C. 1 D. 3
- _____ 26. Qualitative meaning of formula represents _____?
A. Kind of elements B. Kind of atoms C. name of elements D. All of the above
- _____ 27. What is the chemical name for cuprous oxide
A. C₂uo B. Cu₆O C. Cu₂O D. Cu O₂
- _____ 28. Which of the following compound is not correctly Matched with it's name?
A. HBr Hydrogen bromide C. K₃ Po₄ Potassium sulphate

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B. CO Cl_2 Calcium Chloride D. NaNO_3 Sodium Nitrate

_____ 29. A number written under a symbol to the right to indicates the elements in molecular form is

A. Coefficient B. Vacancy C. Avogadro's number D. Subscript

_____ 30. Which formula represents a binary compounds?

A. K Cl B. Ca SO_4 C. K OH D. All

_____ 31. The correct balanced chemical equation for the reaction b/n iron & oxygen to form Iron (III) oxide

A. $3\text{Fe} + 2\text{O}_2 \rightarrow \text{Fe}_3\text{O}_4$ C. $2\text{Fe} + \text{O}_2 \rightarrow 2\text{Fe O}$
B. $4 \text{Fe} + 3 \text{O}_2 \rightarrow 2\text{Fe}_2 \text{O}_3$ D. $\text{Fe} + \text{O} \rightarrow \text{Fe O}$

_____ 32. The chemical name of Zn O is _____

A. Zinc (I) oxide B. Zinc (III) oxide C. Zinc (II) oxide D. none

_____ 33. In four Molecules of H_2SO_4 , How many atoms of each element contained.

A. $\text{H} = 8, \text{S} = 4, \text{O} = 4$ C. $\text{H} = 2, \text{S} = 1, \text{O} = 4$
B. $\text{H} = 2, \text{S} = 4, \text{O} = 4$ D. $\text{H} = 8, \text{S} = 4, \text{O} = 16$

_____ 34. Protons was discovered by _____?

A. Eugen Goldstein B. J.J Thomson C. Rutherford D. Democritus

_____ 35. _____ is the number of protons in the nucleus of an atom of an element ?

A. Atomic Mass B. Atomic number C. Mass number D. All

_____ 36. Which one of the following is a neutral in charge?

A. Proton B. electron C. Neutron D. A & C

_____ 37. In any neutral atom _____ & _____ are always equal in number?

A. Proton & neutron C. electron & neutrons
B. Nucleus & neutron D. protons & electrons

_____ 38. Which one is the short coming of Dalton's atomic theory?

A. Atoms of the same element have the same mass
B. Matter consists of very small particles
C. Atoms combine in a fixed small whole number ratio to form compounds
D. Atoms are neither created nor destroyed

_____ 39. An element having 20 atomic number, what are the valance shall & the number of valance electron?

A. M-Shell & 10 B. N-Shell & 2 C. M-Shell & 2 D. N-Shell & 10

_____ 40. For the element _____ the number of proton, neutrons & mass number represent respectively is _____?

A. 19,39,20 B. 20,39,19 C. 19,20,39 D. 20,39,19

_____ 41. The number of electron in M-Shells of potassium is _____

A. 1 B. 2 C. 18 D. 8

_____ 42. Isotopes are atoms of the same element but that have different _____?

A. Mass number B. proton C. electron D. All

_____ 43. All increase across a period except _____

የጾቻ ክፍል የግኛጡ/ጠ/ት/ት መለማመጃ ጥያቄዎች

- A. Ionization energy B. number of shells C. valance electron D. electron negativity
- _____ 44. Which one has the largest atomic size
A. ${}^7\text{N}$ B. ${}^8\text{O}$ C. ${}^3\text{Li}$ D. ${}^6\text{C}$
- _____ 45. Which of the following atomic energy level is nearest to the nucleus of an atom?
A. K – Shells B. L- Shell C. M-Shell D. N-Shell
- _____ 46. _____ one the electrons in the outer shell of an atom.
A. Electronic configuration B. An ion C. valence electrons D. Molecules
- _____ 47. In moder periodic table, element are arranged in increasing order of their _____
A. Atomic weight B. Neutron number C. mass number D. Atomic number
- _____ 48. Which one of the following periodic properties of an element decrease from left to right across a period
A. Ionization energy B. nuclear change C. electro negativity D. atomic siz

49- 54 answer the question based on the figure below



- _____ 49. From the model above the little “Y” represents?
A. Transition metal B. P-block element C. S- block element D. Metalloids element
- _____ 50. From the model above the litter “A” represents
A. Alkali metals B. Alkaline earth metals C. Boron family D. Carbon family
- _____ 51. From the model above the litter “B” represents?
A. Oxygen family B. Nitrogen family C. Alkaline earth metals D. inert gases
- _____ 52. From the model above the litter “C” represents?
A. Alkali metals B. Noble gases C. oxygen family D. Nitrogen family
- _____ 53. From the model above he litter “D” represents?

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- A. Boron family B. Carbon Family C. Nitrogen family D. Halogens
- _____ 54. From the model above the litter “E” represents?
- A. Oxygen family B. Alkali metals C. Boron family D. noble gases
- _____ 55. The term “Formula mass” is used to tell the mass of _____?
- A. Ionic compound C. Molecule of an element
- B. Covalent compound D. Molecule of Compound
- _____ 56. What is the molecular mass of $C_2H_4O_2$ (Atomic mass C = 12, H = 1, O=16)
- A. 29 B. 58 C. 60 D. 30
- _____ 57. The mass of 1.5 moles of CO_2 is _____ (atomic mass C=12, O = 16)
- A. 66g B. 44g C. 22g D. 88g
- _____ 58. What is the percentage composition of sodium hydroxide, Na OH?
- (Atomic mass) H=1, O=16 Na = 23)
- A. 57.5% B. 23% C. 40% D. 2.5%
- _____ 59. _____ is the formula that shows the simplest atomic ratio of each element in a given compound
- A. Structural formula B. Molecular formula C. Actual formula D. empirical formula

**In 2012 E.C 2nd sem. Physics work sheet-2 for grade-8 from unit-6
(Temperature & Heat)**

I. Choose the best answer among the given alternatives (41 Questions)

- 1. Which of the following is the SI-unit for temperature?
- A. Celsius B. Fahrenheit C. Kelvin D. All of the above
- 2. The temperature of a cup of cold water is 10^0C . When heated, its temperature increases to 80^0C .
- What is the temperature change of this water in Fahrenheit scale?
- A. 343^0F B. 70^0F C. 22.2^0F D. 126^0F
- 3. Which of the following is not true about heating a nail? When a nail is heated
- A. Its length change C. its specific heat capacity does not change
- B. Its mass changes D. its density does not change
- 4. The temperature of a body in Kelvin scale is 313K. What is the corresponding temperature in Fahrenheit scale?
- A. 114^0F B. 104^0F C. 40^0F D. 102^0F
- 5. If we put our fingers in liquid alcohol and immediately expose our fingers to the air, our fingers feel cold. Which of the following reasons explains this effect in a best way? The alcohol
- A. Freezes immediately when exposed to air.
- B. vaporizes immediately when exposed to air
- C. Boils immediately when exposed to air.
- D. Evaporates immediately when exposed to air.
- 6. Which of the following temperature scales is commonly used in scientific work?

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A. Celsius scale B. Fahrenheit scale C. Kelvin scale D. Rankin scale

----- 7. The temperature a body changes from 10°C to 20°C . What is the change in the Fahrenheit scale for

this body? A. 10°F B. 20°F C. 30°F D. 18°F

----- 8. Which of the following is correct about evaporation and boiling?

A. Boiling has cooling effect. C. Boiling is affected by wind
B. Evaporation happens at any temperature. D. Evaporation happens throughout the liquid body

----- 9. The temperature of a body is 149°F . What is the temperature in Celsius scale?

A. 65°C B. 750°C C. 50°C B. 90°C

----- 10. Two different samples have the same mass and temperature. Equal quantities of energy are Absorbed as heat by each. Their final temperature became different. Which of the following is

the most probable reason? Because the samples have different

A. Thermal conductivities. C. heat capacities.
B. Densities. D. coefficients of expansion.

----- 11. Which of the following is correct? Heat is given off by a material

A. Being boiled. C. being condensed.
B. being evaporated. D. being boiled, evaporated, and condensed.

----- 12. What are fluids?

A. They are gasses C. They are liquids or gasses
B. They are liquids D. They are non – metallic substances

----- 13. The temperature of a body is 0°F . What is the equivalent temperature in Celsius scale?

A. -17.8°C B. 23°C C. 17.8°C D. -32°C

----- 14. What is the heat capacity of an object?

A. heat energy that raises its temperature by 1°C
B. It is the amount of heat energy that changes its state without changing its temperature.

C. It is the amount of heat energy per kilogram that raises its temperature by 1°C .

D. It is the ratio of its specific heat to that of water.

----- 15. The temperature of a body is 122°F . What is the equivalent temperature in Celsius scale?

A. 30°C B. 40°C C. 50°C D. 71.6°C

----- 16. Heat is given off by a material being -----.

A. Boiled B. Condensed C. Evaporated D. None

----- 17. In which of the following will the temperature remains constant?

A. Boiling and evaporation C. Boiling and Freezing
B. Condensation and evaporation D. Boiling, condensation, and evaporation

----- 18. Nitrogen boils at -196°C . What is the Fahrenheit equivalent of this temperature?

A. -228°F B. -295°F C. -77°F D. -320.8°F

----- 19. An iron bar is heated from 10°C to 100°C . Which of the following is correct about this bar?
Its volume:

A. Increases and its density decrease C. increases and its density increases.

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- B. Is unchanged and its density increases. D. increases and its density is unchanged
- 20. Steam at 100°C is more harmful than the same mass of water at 100°C , when touched by hand
- This is because:-
- A. The water is less dense C. The steam transfers more heat to our hand
B. The steam is less dense D. The water absorbs more heat from our hand.
- 21. If someone exclaimed, ``Oh! I feel hot``, then he is talking about:
- A. Temperature B. Capacitance C. Climate D. Heat
- 22. Every one of us probably observed that when we rub out two hands against each other they get warm. What type of energy conversion takes place?
- A. Chemical energy is changed to heat C. Mechanical energy is changed to heat energy
B. Radiation energy is changed to heat energy. D. Electrical energy is changed to heat energy
- 23. What is temperature of a body in Fahrenheit scale if its temperature in Kelvin scale is 303K ?
- A. 86°F B. 30°F C. 77°F D. 20°F
- 24. Which of the following is true about temperature and heat?
- A. Temperature and heat are the same physical quantities.
B. Both temperature and heat are forms of energy.
C. Heat is transferred from hot substance to cold substance.
D. Both temperature and heat are measured by thermometer.
- 25. A grade eight student measured the temperature of water in a beaker to be 59°F .
What is the temperature of this water in Kelvin scale?
- A. -273°K B. 288°K C. 258°K D. 293°K
- 26. What is the normal person temperature scale?
- A. 37°C B. 98.6°F C. 310K D. All
- 27. Most of the time the liquid found in a thermometer is;
- A. Water B. Oil C. Mercury D. Blood
- 28. At what temperature is water changed gases (vapors)?
- A. 100°C B. 212°F C. 373K D. All
- 29. Which of the following temperature scales has a lower fixed point called absolute zero?
- A. Kelvin scale B. Celsius scale C. Rankin scale D. Fahrenheit scale
- 30. In which of the following days is evaporation at "LAKE TANA" is slowest?
- A. on a sunny day & windy day C. on day with still air & rainy
B. on day with still air & sunny D. on a rainy day & windy day
- 31. The temperature scale whose ice point is assigned as 273 & the boiling point as 373 is called-----
- A. Rankin B. Fahrenheit C. Celsius D. Kelvin
- 32. Which of the following is not included in the effect of heating when a given body is being heated?
- A. rise in temperature of the body C. the body may increase in mass
B. the body may be expanding D. The state of the body may change
- 33. Which of the following is not included in the mechanisms of heat transfer from one body to others?

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- A. Condensation B. Radiation C. Conduction D. Convection

-----34. The amount of heat necessary to change the temperature of 1kg of a substance by 1°C is called-----

- A. Heat energy B. Heat capacity C. Heat of fusion D. Specific heat capacity

II. Additional Questions (Show All Necessary Steps Clearly)

35. At what temperature scale Celsius & Fahrenheit scales are coincide (equal) reading?
36. At what temperature Fahrenheit scale reads half of the Celsius scale?
37. At what temperature does the Celsius scale reads half of the Fahrenheit scale?
38. Thermometric scale A has LFP= -5 & UFP=95 & another Thermometric scale B has LFP=10 & UFP=210. What is the reading T_B , if the reading T_A is 15?
39. At what temperature does the Celsius scale reads twice of the Fahrenheit scale?
40. A temperature scale A has freezing point of 21^0 & steam point of 30^0 . What is the temperature on A, if the temperature is 150^0 ?
41. A temperature scale X has an ice point of 40^0 and steam point of 240^0 . What is the temperature on X, if the Celsius temperature is 50^0 ?

Unit-7 sound

I. Choose the best answer among the given alternatives (19 Questions)

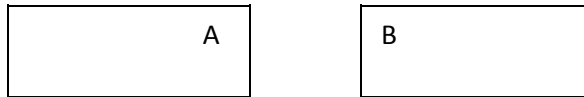
- 1. On which of the following does the pitch of a sound depend?
A. on the speed of sound C. on the direction of motion of sound
B. on the wave length of sound D. on the frequency of sound
- 2. In which the following will sound transmit fast?
A. copper wire B. water C. Vacuum D. Oxygen
- 3. Which of the following frequencies represent the frequency of sound wave that can be heard by a normal human ear?
A. 0.4Hz B. 4Hz C. 400,000Hz D. 400Hz
- 4. We hear the sound of a thunder storm few seconds after we saw its lighting.
Which of the following is the accepted reason for this phenomenon?
A. light travels faster in comparison on the sound C. sound cannot travel in vacuum
B. sound travels in comparison to the light D. light cannot travel in vacuum
- 5. Sound cannot travel in: A. Alcohol B. Vacuum C. Stone D. Hydrogen
- 6. The number of complete vibrations made by an object in one second is called-----
A. Frequency B. Amplitude C. Period D. Wave length
- 7. In which the following does sound wave travel faster?
A. Wood B. water C. Vacuum D. Air
- 8. An object in a vibratory motion makes 20 complete oscillations in 10 seconds.
What is its period? A. 0.5 sec B. 10 sec C. 0.55 sec D. 1sec
- 9. In which the following does sound wave not travel from one point to the other?
A. Stone B. water C. Vacuum D. Air

- 10. An object in a vibratory motion makes 40 complete oscillations in 20 seconds. What is its frequency? A. 0.5 Hz B. 10 Hz C. 0.55 Hz D. 2Hz
- 11. In which the following will sound wave travel slowest?
A. Wood B. water C. Vacuum D. Air
- 12. A fire whistle emits a tone of 100Hz. What is the period of the sound wave from this whistle? A. 0.1 sec B. 10 sec C. 0.01 sec D. 1sec
- 13. The speed of sound in air is 332m/s. An echo is heard from a mountain 664m away. What is the time elapsed between the production of the sound & the hearing of the echo? A. 4sec B. 6sec C. 2sec D. 1sec
- 14. The speed of sound at a given temperature is 332m/s. If an echo is heard 6 second later from a mountain, what is the distance between the mountain & the observer? A. 969m B. 696m C. 996m D. 699m
- 15. Sound from a single source is sent into vacuum, air, water & a long steel rod. In which of these does the sound wave travels a long distance? In the
A. steel rod B. vacuum C. air D. water
- 16. A person hears the echo of his sound just after from a hill. If the speed at that place is 340m/s, what is the distance from the person to the hill?
A. 1020m B. 680m C. 510m D. 340m
- 17. In a laboratory, the speed of sound in materials M1, M2 & M3 are measured to be 5040m/s, 340m/s & 1540m/s respectively. Which the following is true about these materials. Materials M1, M2 & M3 should be:
A. Solid, liquid & gas respectively C. gas, liquid & Solid respectively
B. Solid, gas & liquid respectively D. liquid, gas & Solid respectively
- 18. In a stethoscope (a device used to observe the patient's heart bits, etc), which the following properties of sound is mainly applied? The property of
A. transmission of sound C. refraction of sound
B. direction of sound D. reflection of sound (echo)
- 19. Which the following is true about the speed of sound in different materials? The speed of sound is:
A. smaller in solids than in gasses C. greater in vacuum than in gasses
B. greater in solids than in gasses D. smaller in liquids than in vacuum

Electricity & magnetism

I. Choose the best answer among the given alternatives (109 Questions)

- ___ 1. The figure below shows the magnetic lines of forces between two bar magnets. Which of the following is correct about the poles of the magnets indicated by A and B?



- A. A is North Pole & B is South Pole C. Both A & B are North pole
B. A is South A pole & B is North pole D. Both A & B are South pole
- ___ 2. Both poles of a magnet attracted a metal bar. Which of the following is correct about the metal bar? It is
A. a magnetic substance B. a magnet C. a non-magnetic substance D. made of copper
- ___ 3. Which of the following repels each other because of their charges?
A. Electron & neutron B. Electron & nucleus C. proton & neutron D. proton & nucleus
- ___ 4. Which of the following is not the main purpose of an electroscope?
A. To know the sign of a charged body
B. To Know whether a body is a conductor or an insulator
C. To Know whether a body is a charged or not
D. To charge a body either positive or negative
- ___ 5. If a current of 1mA passes through a conductor for 10 sec, what is the no. of coulombs of charge which has passed through it? A. 10^{-2} B. 1 C. 10 D. 10^{-3}
- ___ 6. When the length of a wire is halved, what will happen to its resistance? It becomes
A. doubled B. one half C. one forth D. four times
- ___ 7. When two identical resistors are connected in series the effective resistance produced is 80Ω . What effective resistance will be produced, if the two resistors are connected in parallel?
A. 160Ω B. 40Ω C. 120Ω D. 20Ω
- ___ 8. A wire of resistance 9Ω is cut in to three equal parts. If the three pieces of parts are connected in parallel, what will be the effective resistance obtained?
A. 3Ω B. 1Ω C. 6Ω D. 0.9Ω
- ___ 9. When a TV set is use for a long period of time it gets hot. Which of the following effects of current is the reason for this?
A. Heating effect B. Magnetic effect C. Lighting effect D. photographic effect
- ___ 10. The cost of electrical energy in a town is 34 cents per KWH & the monthly rent price of the electric meter is BIRR 1.50. A family has used 35KWH in a month. How much BIRR would this family expected to pay for that month?
A. 13.40 B. 51.00 C. 7.93 D. 51.34
- ___ 11. Which of the following conditions is economical to transmit electric power?
A. high voltage & high current C. high voltage & low current
B. low voltage & high current D. low voltage & low current
- ___ 12. Which of the following source of electro motive force (EMF) produces ac current?
A. Solar cell battery B. Car battery C. dry cell battery D. generator
- ___ 13. To make an electromagnet stronger, which of the following process is helpful?
A. Decreasing the no of turns of the coil C. increasing the current in the coil

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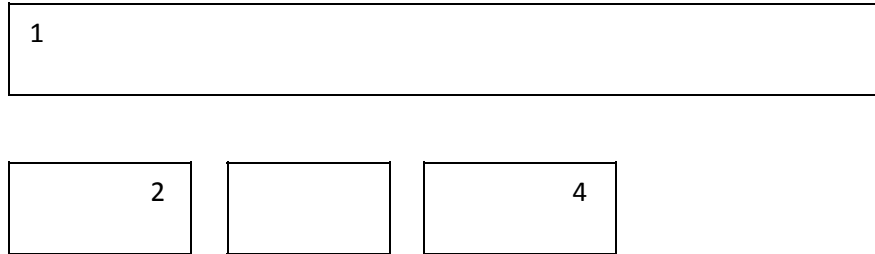
- B. Putting aluminium metal inside it D. All

___ 14. Which of the following explains the electric motor correctly? It changes

- A. Mechanical energy to electrical energy
B. Chemical energy to electrical energy
C. electrical energy to mechanical energy
D. electrical energy to chemical energy

___ 15. A long bar is broken in to four pieces as shown below. If “1” represents South Pole, what are the respective polarities of the poles marked by 2, 3 & 4?

- A. N, N & N Fig.
B. N, N & S
C. S, N & N
D. S, S & S



----- 16. An unknown piece of metal is attracted by both north & South poles of a magnet. Which of the following is true about this piece of metal? It is;

- A. a copper metal B. a positive charged body C. a magnet D. a magnetic substance

---- 17. Which of the following repel each other because of their charges?

- A. proton & nucleus B. electron & neutron C. proton & electron D. electron & nucleus

---- 18. Two resistors have the same resistance. The equivalent resistance is 12Ω when these two resistors are connected in series. What will be the equivalent resistance when these the same resistors are connected in parallel?

- A. 24Ω B. 3Ω C. 6Ω D. 36Ω

___ 19. Which of the following is correct about electric charges?

- A. Positive charged body has deficiency of protons
B. Neutral atom consists of equal no of electron & proton
C. Negatively charged body has excess proton
D. By rubbing we can create charges

___ 20. A resistance of 1Ω is, the resistance produced when;

- A. 1C of charge is transferred with 1V p.d across a conductor
B. 1C of charge is transferred for 1Sec across a conductor
C. 1A current is transferred with 1V p.d across a conductor
D. 1N force is exerted on a conductor for a time of 1Sec.

___ 21. Which of the following is correct about 1Joule? It is the work done when;

- A. 1Ω resistance is used to transmit 1A of current
B. 1V p.d is used to transmit 1A of current
C. 1V p.d is used to transmit 1C of charge
D. 1C of charge passes through 1Ω resistance

___ 22. A step-up transformer:

- A. Has less no of turns in the secondary than in the primary
B. Produces large current from the small input current
C. Produces ac current as an output from the dc current of the input
D. Produces large voltage from the small input voltage

___ 23. A glass rod is rubbed with silk. Which of the following is correct?

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- A. glass rod becomes negatively charged C. silk becomes negatively charged
B. glass rod loss proton D. silk losses electron
- ___24. Which of the following is correct about a neutral atom? It has
A. Equal no. of e- & P+ C. more no. of e- than p+
B. Equal no. of e- & N D. more no. of p+ than e-
- ___25. Which of the following is the same as Ohm?
A. Newton/Coulomb B. Newton/Volt C. Coulomb/second D. Volt/Ampere
- ___26. Which of the following wires will allow current to pass easily through it?
A. Short & thick B. Short & thin C. Long & thick D. Long & thin
- ___27. A steady current of 100mA is passing in a circuit. What amount of charge passes a given point in the wire in the circuit in 50 sec?
A. 50C B. 500C C. 5000C D. 5C
- ___28. In SI-units the name given to JOULE per COULOMB is:
A. Ohm B. Volt C. Ampere D. Watt
- ___29. A 3Ω & 2Ω are connected in series with a 10V battery. What is the power dissipated in the 2Ω resistor?
A. 8W B. 50W C. 12W D. 44W
- ___30. The current (I) & voltage (V) across a resistor are measured & recorded as in table below.
- | | | | | | | |
|--------------|-------|-------|-------|------|------|------|
| Current(mA) | 1 0 0 | 2 0 0 | 3 0 0 | 4000 | 5000 | 6000 |
| Voltage(V) | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 |
- What is the resistance of the resistor according to the data in a table?
A. 5Ω B. 5000Ω C. 0.5Ω D. 2000Ω
- ___31. In which of the following electrical devices is the heating effect of the electrical current is used?
A. Electrical bell B. Radio C. Solar battery D. Electric stove
- ___32. The cause of the ac in the secondary coil of the transformer is the EMF produced. By which of the following is this EMF produced? They are varying
A. Magnetic field of the primary coil C. Magnetic field of the secondary coil
B. Electric field of the primary coil D. Electric field of the secondary coil
- ___33. Which of the following is correct about magnets?
A. Magnetic force is strong at the middle part of a magnet
B. Magnetic force is strong at the poles of a magnet
C. Magnets can attract materials like copper & gold
D. Magnets can attract all charged materials
- ___34. When do we say a body is charged positively? When it;
A. Losses p+ B. Gains e- C. losses e- D. Gains p+
- ___35. Which of the following is a correct matched?
A. Joule = volt/Ampere C. Ohm = sec/volt

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B. Ampere = volt/sec

D. Volt = Joule/Coulomb

___ 36. Which of the following is/are correct?

- I. Insulators are those materials that allow electric charges to pass through them
- II. A neutral atom has equal no. of p+ & e-
- III. There are two types of charges

A. II and III

B. I and II

C. I and III

D. I, II and III

___ 37. Which of the following wires will *not* current to pass easily through it?

A. Long & thin

B. Short & thin

C. Short & thick

D. Long & thick

___ 38. How long will 4800C of charges take to cross a point in a conductor at a constant rate of 5A?

A. 960 minutes

B. 16 minutes

C. 4/15 minutes

D. 96 minutes

___ 39. What is the total resistance b/n point A & B in the combination shown in the fig.

A. 19Ω

C. 7Ω

fig.

A

R= 14Ω

B

B. 28 Ω

D. 23Ω

___ 40. The resistance of the wire will not depend on:

A. Length

C. cross sectional area

R=5Ω

R= 9Ω

B. P.d applied the battery

D. substance from w/c the wire is made of

___ 41. In which of the following is a power of 1W developed? When

A. 1V p.d produces 1A current in a resistor

B. 1C of charge is transferred at a rate of 1A current in a resistor

C. 1V p.d is transferred 1C of charge in a circuit

D. 1C of charge is transferred 1Ω resistor

___ 42. In the fig below $R_1=2\Omega$ & $R_2=4\Omega$. If $I=12A$ what is the value of I_1 ?

A. 6A

C. 8A

I_1

B. 4A

D. 3A

I

R_2

R_1

V

___ 43. In telephones, electricity is used to operate a bell for calls. What type electric effect is likely to happen in this bell just before the sound is heard?

A. Heating effect

B. Lighting effect

C. Chemical effect

D. Magnetic effect

___ 44. What is the main function of a transformer?

A. To change AC voltage to DC voltage

C. To act as a rectifier & amplifier

B. To change DC voltage to AC voltage
source

D. To increase or decrease the voltage from the

___ 45. Which of the following is the correct order of names of the electrical symbols represented by the no. 1, 2, 3 & 4 in the fig below?

A. Battery, switch, diode & ammeter

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- B. Switch, ammeter, bulb & battery
C. Battery, capacitor, diode & bulb
D. Battery, switch, ammeter & bulb

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- 46. Which of the following is true about current? Current is a measure of:
A. a force that moves a charge past a point
B. Amount of charge that moves past a point per unit time
C. Energy used to move a charge past a point
D. Resistance to movement of a charge past a point
- ___47. A magnet suspended by a rope always becomes at rest pointing in the north- south directions. What is the reason behind this fact? It is because
A. magnet is made up of metal
B. gravitational of the earth
C. earth's magnetic effect
D. upward force of the rope is great
- ___48. Which of the following action is helpful to make an uncharged object have a positive charge?
A. Remove some p+ from it
B. Add some p+ to it
C. Remove some e- from it
D. Add some e- from it
- ___51. An insulator is a material;
A. containing no e-
B. Electrons do not flow easily
C. has more e- than p+ on its surface
D. That cannot be a pure chemical element
- ___49. The leaves of a positively charged electroscope diverge more when an object is brought near the knob of the electroscope. When must the object be?
A. A conductor
B. An insulator
C. positively charged
D. negatively charge
- ___50. Which of the following copper conductor has the least resistance?
A. Thin ,long & hot
B. Thick ,short & cool
C. thick ,long & hot
D. thin ,short & cool
- ___51. A 60W light bulb carries a current of 0.5A. The total charge passing through it in 1hr is
A. 112C
B. 1800C
C. 3600C
D. 2400C
- ___52. What is the equivalent resistance b/n point 1 & 2 of the circuit below?
A. 3Ω
B. 4Ω
C. 5Ω
D. 6Ω
fig. 1Ω 1Ω 1
1Ω 4Ω
2Ω 2Ω 2
- ___53. For a cylindrical resistor made of mica material, on w/c of the ff is the resistance not dependent?
A. Current
B. Length
C. Cross-sectional area
D. Resistivity
- ___54. Which of the following quantities is correctly matched to its unit?
A. Power KWh
B. Energy KW
C. p.d J/C
D. current A/Sec
- ___55. Which of the following takes place in electric bells?
A. Magnetic effect of electric current is turned into sound
B. electric current of magnetic field is turned into sound
C. Sound effect of electric current is turned into magnetic field
D. Sound effect of magnetic field is turned into electric current
- ___56. What is the electric power dissipated in a resistor of resistance 10Ω when it draws a current of 0.1A?
A. 1W
B. 10W
C. 0.1W
D. 0.01W
- ___57. Which of the following possible action is happening when a hard rubber rod is given a

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negative charge by rubbing it with wool?

- A. Positive charges are transferred from rod to wool
- B. Negative charges are transferred from rod to wool
- C. Positive charges are transferred from wool to rod
- D. Negative charges are transferred from wool to rod

___58. Which of the following is the correct SI unit of current?

- A. Kilowatt hour
- B. Coulomb/sec
- C. Coulomb
- D. Volt/sec

___59. Which of the following statements is correct?

- A. Rubber rod is an insulator & glass rod is a conductor
- B. Rubber rod is a conductor & glass rod is an insulator
- C. Both glass rod & rubber rod are insulators
- D. Both glass rod & rubber rod are conductors

___60. A 10Ω resistor has a constant current. If 1200C of charge flow through it in 4 minutes what is the value of the current?

- A. 5A
- B. 3A
- C. 11A
- D. 15A

___61. Two identical resistors each of R give an equivalent resistance of 12Ω when they are combine in series. What will an equivalent resistance be if these same two resistors are combined in parallel?

- A. 3Ω
- B. 12Ω
- C. 6Ω
- D. 24Ω

___62. What is the current in the 1Ω resistor in the fig below? 1Ω

- A. 1.2A
 - B. 4A
 - C. 6A
 - D. 2.5A
- FIG**
- 12V 3Ω 3Ω 3Ω

___63. In a light bulb in our houses, w/c of the ff effects of electric current occurs mainly?

- A. Less lighting effect & more heating effect
- B. Less heating effect & more lighting effect
- C. Equal amount of heating & lighting effects
- D. No lighting & heating effects

___64. A student needs to charge his cell phone (mobile phone) with a 3.4V DC from a 220V line. Which instrument will be helpful for this purpose?

- A. A set-up transformer
- B. A set-down transformer
- C. A transistor
- D. A diode

----65. Which of the following is helpful in order to measure the voltage across a given resistor in a circuit?

- A. connecting an ammeter in series with the resistor
- B. connecting an ammeter in parallel with the resistor
- C. connecting an voltmeter in series with the resistor
- D. connecting an voltmeter in parallel with the resistor

----66. Which of the following describes the term electric correctly? It is;

- A. The amount of charge that moves past a point per unit time
- B. A force of that moves a charge past a point
- C. A resistance to the movement of a charge past a point
- D. The energy used to move a charge past a point

___67. A 10Ω resistor has a constant current .If 1200C of charges flow through it in 4minutes what is the value of the current? A. 3A B. 5A C. 11A D.15A

___68. In modelling the flow of electrons in an electric circuit using the flow of water through a closed path,Which of the ff corresponds to the resistance?

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- A. The wide segment of the pipe C. The rate of the water
B. The pump D. The narrow segment of the pipe
- ___ 69. The SI unit of the electric power is _____.
A. Joule B. Watt C. Coulomb D. Erg
- ___ 70. A certain wire has resistance R. Another wire, of the same material has half of the length & half the cross sectional area of the first wire. What is the resistance of the second wire?
A. 4R B. R/2 C. R D. R/4
- ___ 71. Which of the following is correct about magnetic line of force?
A. They originate from the north pole
B. They terminate the north pole
C. They never cross each other
D. The line of force are closer at a place where the magnetic force is strong
- ___ 72. Which of the following pairs attracts each other?
A. Proton and electron C. Electron and neutron
B. Proton and nucleus D. Electron and another electron
- ___ 73. When we bring a material in contact with the knob of a charged electroscope, the divergence of the leaf decreases. Which of the following is correct about the material & electroscope?
A. The material is charged +vely & the electroscope is charged -vely
B. The material is charged -vely & the electroscope is charged +vely
C. Either both are charged -vely or +vely
D. D. A or B
- ___ 74. What is the name given to the unit A.S(ampere second)?
A. Newton B. Coulomb C. Volt D. Ohm
- ___ 75. A 100Ω resistor connected to a 2V voltage supply. What is the current through the resistor?
A. 0.2A B. 2A C. 0.02A D. 50A
- ___ 76. Two resistors 2Ω & 3Ω are connected in parallel. What is their equivalent resistance?
A. 1.2Ω B. 1.5Ω C. 1Ω D. 5Ω
- ___ 77. Which of the following is *incorrect* statement about a bar magnets & an electromagnet?
A. Both attract magnetic materials C. Magnetism of an electromagnet is permanent
B. Both have north & south poles D. Field strength of a bar magnet cannot be changed
- ___ 78. A device which changes electrical energy in to mechanical energy is called _____.
A. Electric motor B. Generator C. dynamo D. transformer
- ___ 79. A step-up transformer gives an output voltage of 300V for input voltage of 100V. The number of turns in the input coil is 400. Then the number of turns in the output coil would be;
A. 600 B. 820 C. 400 D. 1200
- ___ 80. Which of the following is correct about magnetic lines of force?
A. They are imaginary lines
B. They may cross each other
C. Magnetic field is weak where the lines of force are close together
D. Magnetic field is strong where the lines of force are far apart
- ___ 81. Which of the following is correct about the constituents of an atom?
A. Electron is positively charged C. Nucleus is positively charged
B. Proton is negatively charged D. Neutron is negatively charged
- ___ 82. When a material is in touch with a cap of a positively charged electroscope, the leaves

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collapsed immediately. Which of the following is correct about this material?

- A. Insulator B. Conductor C. Negatively charged body D. positively charged body

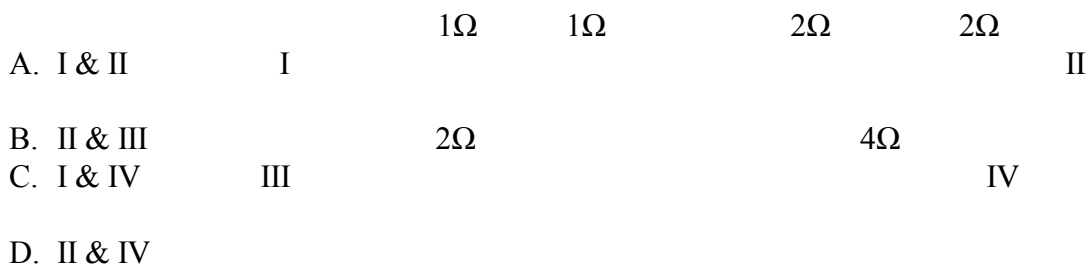
___ 83. The instrument used to measure directly the p.d b/n two points in a circuit is called ___

- A. Anemometer B. Voltmeter C. Electrometer D. Ammeter

___ 84. When a 400Ω resistor is connected to a mains supply, the current is 562.5mA. What is the mains voltage?

- A. 225V B. 220V C. 240V D. 250V

___ 85. Which two arrangements of resistors shown below have the same resistance b/n the terminals?



___ 86. Which of the following is correct about an electromagnet & a bar magnet?

- A. They have completely d/t magnetic field line patterns
B. Magnetism of a bar magnet is permanent while electromagnet is temporary
C. Bar magnets have N & S poles but electromagnets have not
D. Polarities of bar magnets can be changed while electromagnets cannot

___ 87. The iron core of an electric motor is called _____.

- A. Armature B. Brush C. Split ring D. Commutator

___ 88. A generator supplies 100V to the primary coil of a transformer. The primary has 50 turns & the secondary has 500 turns. What is the output voltage?

- A. 1000V B. 500V C. 10V D. 100V

-----89. Which of the following is true about current? Current is a measure of:

- A. a force that moves a charge past a point
B. Amount of charge that moves past a point per unit time
C. Energy used to move a charge past a point
D. Resistance to movement of a charge past a point

----90. A light bulb draws 300mA current when the voltage across it is 240V. What is the resistance of the bulb? A. 800Ω B. 80Ω C. 400Ω D. 4000Ω

----91. If R_e is the equivalent resistance of two resistors of resistances R_1 and R_2 in parallel, which of the following is correct?

- A. $R_e = R_1 + R_2$ B. $R_e = 1/R_1 + 1/R_2$ C. $R_e = (R_1 + R_2)/R_1 R_2$ D. $R_e = R_1 R_2 / (R_1 + R_2)$

----92. A generator supplies 200V to the primary coil of a transformer. The primary has 100 turns and the secondary has 1000 turns. The secondary voltage is:

- A. 2000V B. 1000V C. 500V D. 200V

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- 93. A generator supplies 200V to the primary coil of a transformer. The primary has 100 turns & the secondary has 1000 turns. The secondary voltage is:
A. 2000V B. 1000V C. 500V D. 200V
- 94. Which of the following is correct about primary & secondary cells?
A. car batteries are primary cells, but dry cells are secondary cells
B. dry cells are primary cells, but car batteries are secondary cells
C. both dry cells & car batteries are primary cells
D. both dry cells & car batteries are secondary cells
- 95. Which of the following is a correct relation between current & voltage?
A. $I = VR$ B. $V = R/I$ C. $R = VI$ D. $V = IR$
- 96. Three resistors each with a resistance of 9Ω are connected in parallel. What is the equivalent resistance of these three resistors?
A. 3Ω B. 0.33Ω C. 27Ω D. 4.5Ω
- 97. What is the name given to a device which produces electric current when a coil of wire wound around an iron is rotated in a magnetic field?
A. Electromagnet B. Electric motor C. Transformer D. Generator
- 100. Which of the following is correct about A.C and D.C current & voltage?
A. D.C current change their polarities in time but A.C current do not change
B. D.C current do not change their polarities in time but A.C current change
C. Both D.C and A.C current change their polarities in time
D. Both D.C and A.C current do not change their polarities in time
- 101. What is abbreviated by the term EMF?
A. electromagnetic force B. electromotive force C. electro motion force D. electrolysis force
- 102. Which of the following is true about the law of magnetism? It states that:
A. unlike charges attracts each other & like charges repels each other
B. unlike poles repels each other & like poles attracts each other
C. like poles repels each other & unlike poles attracts each other
D. like charges attracts each other & unlike charges repels each other
- 103. A plastic comb rubbed on hair is capable of attracting pieces of paper. What is the reason for this?
The comb is: A. charged during rubbing the hair C. neutralized during rubbing the hair
B. magnetized during rubbing the hair D. discharged during rubbing the hair
- 104. Which of the following is true about current & voltage?
A. Current is measured in volts
B. Current is an opposing force to the flow of charges in a conductor
C. Voltage is a “potential push” or “pressure” in an electric circuit
D. voltage is the rate of electric charges across a given cross-sectional area in a conductor
- 105. What is the total current I in the circuit as shown below?
A. 2A I
B. 6A
C. 3A 12V
D. 12A 3Ω 6Ω
- 106. Which of the following sentences indicates the correct arrangement of the value of X & Y?
A. Y must be the ammeter because it is

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- Connected in parallel with the resistor X
- B. X must be the ammeter because it is
Connected in series with the resistor
- C. Y must be the ammeter because it is V
Connected in series with the resistor R Y
- D. X must be the voltmeter because it is
Connected in series with the resistor
- 107. Which of the following sets consists of the correct factors that affect the resistance of a conductor?
- A. Length of the wire, its cross-sectional area, the substance from which it is made
- B. The current through the wire, the voltage across it, its temperature
- C. Mass of the wire, its density, its colour
- D. The substance from which the wire is made, its mass, its colour
- 108. A current of 5A passes through a 10Ω resistor. What is the power dissipated by this resistor?
- A. 2.5W B. 25W C. 250W D. 2,500W
- 109. Which of the following is correct about a step-up & a step-down transformer?
- A. A step-up transformer has more windings in the primary than in secondary
- B. A step-up transformer has more voltage in the primary than in secondary
- C. A step-down transformer has more windings in the secondary than in primary
- D. A step- down transformer has more voltage in the primary than in secondary

II. Additional Problems (4 Questions)

110. Find the cost of running five 60W lamp & four 100W lamps for 8 hrs of electrical cost 1.5 cents/kwh
111. A 1.8kw electric fire is accidentally left on over night for 8hrs. The cost of electrical energy is 20 cents/kwh. How much money has been wasted?
112. If electrical energy cost 10cents/kwh. Calculate the cost using a 5kwh electrical heater switched on for 12 hrs.
113. A certain lamp operates at 210V and it is labelled 100W. Calculate
- A. the current in the lamp
- B. the resistance in the lamp
- C. the energy consumed by the lamp for 30sec

<< Theory without practice is lame;
Practice without theory is blind;
Theory & practice are successful & capable >>>
Albert Einstein

Unit-6 Light

I. Choose the best answer among the given alternatives (21 Questions)

- 1. Which of the following is not correct?
- A. Luminous materials are those which produce their own light
- B. Transparent materials are those which reflect light falling on them

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- C. Translucent materials are those which allow light falling on them to pass through them partially
 D. Opaque materials are those which do not allow light falling on them to pass through them
- 2. The angle between an incident ray & its reflected ray is 140^0 . What is the angle of reflection?
 A. 35^0 B. 140^0 C. 40^0 D. 70^0
- 3. How many images of an object will be formed when it is placed between two mirrors inclined at 45^0 between them? A. 7 B. 6 C. 5 D. 3
- 4. What we call the property of light in which it bends as it passes from one medium to the other?
 A. Reflection B. Refraction C. Diffraction D. Dispersion
- 5. An image is placed between a convex lens & its focal point. Which of the following is not correct about the image formed? The image is:
 A. behind the object B. Virtual C. inverted D. larger in size than the object
- 6. Materials which reflect light falling on them partially are called:
 A. Transparent B. Translucent C. Opaque D. Compact
- 7. An object placed b/n 2 mirrors is found to have 4 images. What is the inclination b/n the two mirrors? A. 45^0 B. 72^0 C. 90^0 D. 100^0
- 8. The speed of light in water is $\frac{3}{4}$ of the speed of light in air. Which of the following is correct about the optical properties of water & air?
 A. Air is optically denser than water C. Light bends towards the normal if it is incident from air to water
 B. water is optically denser than air D. Light bends away from the normal as it is incident from air to water
- 9. An object placed in front of the convex lens. If the object is placed in b/n f & 2f, which of the following is not true about the image? It is
 A. a distance greater than 2f & formed behind the lens C. a real image
 B. larger than the object D. erect
- 10. Which of the following is correct about an image produced by a plane mirror?
 A. Real, inverted & larger than the object C. Real, upright & the same size as the object
 B. Virtual, upright & the same size as the object D. Virtual, inverted & smaller than the object
- 11. A real object is located in front of a convex lens at a distance greater than the focal length of the lens but less than its radius of curvature. Which of the following is correct about the nature & size of an image? The image is:
 A. real & larger in size than the object C. virtual & larger in size than the object
 B. real & smaller in size than the object D. virtual & the same size as the object
- 12. In relation to light, colored glass is classified as a type of ----- material.
 A. Transparent B. Translucent C. Opaque D. Transplant
- 13. The index of refraction of a certain glass is 2.5. What is the ratio of the speed of light in the glass to the speed of light in air? A. 0.9 B. 2.5 C. 1 D. 0.4
- 14. A pencil 10cm in height is placed 10cm in front of a convex lens of focal length 5cm. Which of the following is correctly describes the image formed by this lens? The image is:
 A. 10cm in front of the lens, 20cm in height & real C. 10cm behind the lens, 5cm in height & virtual
 B. 10cm in front of the lens, 10cm in height & real D. 10cm behind the lens, 10cm in height & virtual

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- 15. Which of the following is true about an image in a plane mirror? The image is:
 A. diminished B. enlarged C. real D. virtual
- 16. A ray of light is sent as an incident ray to a concave mirror through the focal point. In what direction is this ray reflected back? It is reflected back:
 A. in the same line as the incident ray C. through the center of curvature
 B. being parallel to the principal axis D. through the focal point
- 17. “When light travels from one point to another in a medium, it always chooses the path that takes the least time”. Which of the following is the name to this statement?
 A. Archimedes’s principle B. Newton’s principle C. Fermat’s principle D. Pascal’s principle
- 18. Light is dispersed into its spectrum of various colors from a broken cd. Which of the following is correct about the colors reflected during this dispersion?
 A. The light that reflected most is violet light C. Orange light is refracted more than yellow light
 B. Red light is refracted more than violet light D. The light that refracted least is green light
- 19. What property of light is exhibited when light rays are bouncing back after hitting an opaque object? A. Reflection B. Refraction C. Diffraction D. Dispersion
- 20. In the image formed in a plane mirror, the right hand becomes left hand & the left hand becomes right hand. Which of the following characteristics correctly describes this phenomenon? The image is :
 A. same size as the object C. same distance behind the mirror as the object in front
 B. erect D. laterally inverted
- 21. Which of the following is true about convex & concave lenses?
 A. Convex lenses have virtual focus but concave lenses have real focus
 B. Convex lenses have real focus but concave lenses have virtual real focus
 C. Both Convex & concave lenses have real focus
 D. Both Convex & concave lenses have virtual focus