

ÜDS

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Tüm

GRAMMAR SORULARI



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1. This is not a new theory; quite a lot of scientists ---- on it for several decades.

- A) would have worked
- B) had worked
- C) have been working
- D) would work
- E) have to work

2. If the equipment ---- us on time; we ---- the bridge by now.

- A) would have reached / could complete
- B) reached / had completed
- C) reaches / will have completed
- D) will reach / can complete
- E) had reached / could have completed

3. Unfortunately there was an electricity cut just as we ---- the new computer.

- A) are installing
- B) would install
- C) have installed
- D) were installing
- E) will install

4. It is recommended that you wear a helmet in this part of the plant, but it's up to you; you ----.

- A) have got to
- B) will have to
- C) shouldn't have
- D) need to
- E) don't have to

5. ---- a piece of metal is denser than water, it sinks in water.

- A) Because of
- B) While
- C) Since
- D) Despite
- E) Therefore

6. ---- he was aware of the dangers of this kind of research, he still continued with the project.

- A) If
- B) Even though
- C) So that
- D) Whereas
- E) However

7. ---- the semester is over, Dr Baines will supervise the sinking of the shaft as it seems likely that they'll strike oil.

- A) In order that
- B) As a result
- C) If only
- D) Once
- E) In case

8. An honorary degree will be conferred upon the physicist ---- contributions to energy studies have proved the most beneficial.

- A) which
- B) who
- C) whose
- D) that
- E) whom

9. Is that the professor ---- received the Nobel Prize in chemistry?

- A) whom
- B) whose
- C) where
- D) which
- E) who

10. Dairy farming has received a lot of coverage in the media lately, ---- on account of the dry season ---- because of the radiation scare.

- A) both / more than
- B) more / even so
- C) only / also
- D) not only / but also
- E) such / as well as

11. Thanks to improvements in car design ---- of the power produced is wasted in friction ---- was formerly the case.

- A) far less / than
- B) as much / as
- C) as little / than
- D) little / than
- E) more / as

12. As regards the decision to modernise the mines in the region, here is a report which contains ---- relevant information.

- A) another
- B) any
- C) many
- D) a
- E) some

13. The scientists endeavours ---- to produce power as efficiently and cheaply as possible, ---- to apply it economically.

- A) even / just as
- B) so / unless
- C) not only / but also
- D) as much / as if
- E) most / that

14. The world chemical industry developed very rapidly from 1935 ---- particularly in the organic sector of the industry.

- A) onwards
- B) upwards
- C) afterwards
- D) outwards
- E) towards

15. ---- mechanical impact, certain impurities would make such explosives unstable if they were stored in warm conditions.

- A) Involving
- B) Including
- C) In case
- D) Contrary to
- E) Even without

16. ---- simply transmitting voice, the Joint Tactical Radio System (JRTS) as the Pentagon refers to it, will also simultaneously carry video and data transmissions.

- A) Rather than
- B) According to
- C) Due to
- D) In contrast to
- E) In spite of

17. Communication is perhaps the most important of the numerous tasks ---- engineers are responsible in time of war.

- A) that
- B) by which
- C) what
- D) for which
- E) for whom

18. What's left of the world's forest ---- at such a rate that the remaining tropical rainforests ---- by the middle of the century.

- A) has been logged / is destroyed
- B) will be logged / would have been destroyed
- C) is being logged / will have been destroyed
- D) was being logged / is being destroyed
- E) would be logged / were being destroyed

19. The controversy ---- in 1924 by Edwin P. Hubble who ---- that the great spiral nebula in Andromeda contained Cepheid variables.

- A) was being settled / has found
- B) has been settled / finds
- C) had been settled / found
- D) was settled / found
- E) would be settled / will find

20. If space weather forecasters ---- timely warnings of storms, telecommunications companies ---- to take steps to protect their satellites.

- A) could have provided / had been able
- B) could have provided / should be able
- C) can be provided / should be able
- D) can provide / will have been able
- E) could provide / would be able

21. Even now at this late date, oceanographers ---- seafloor mountains they ---- existed.

- A) were finding / don't know
- B) have found / haven't known
- C) are finding / didn't know
- D) will find / wouldn't know
- E) will have found / hadn't known

22. The Erie Canal was the first of the US artificial waterways built ---- the Great Lakes with the sea.

- A) to be connected
- B) connecting
- C) to have connected
- D) to connect
- E) having connected

23. If he had realised just how potentially dangerous his discovery was, he would surely have suppressed it, ----?

- A) didn't he
- B) wouldn't he
- C) hadn't he
- D) wasn't it
- E) wouldn't it

24. ___ many diverse animal forms exist ___ exceptions can be found to almost any definition of an animal.

- A) So / as
- B) As / as
- C) Whether / so
- D) So / that
- E) Neither / nor

25. Products ___ diverse ___ rubber, tobacco, coffee, chocolate and aromatic oils for perfumes come from flowering plants.

- A) as / as
- B) too / than
- C) both / and
- D) either / or
- E) not only / but also

26. Heat is transferred from ___ object ___ by conduction, convection and radiation.

- A) either / to other
- B) each / from the rest
- C) any / with another
- D) some / through others
- E) one / to another

27. Pile foundations are costly and normally economic only ___ commercial structures on valuable sites.

- A) in the manner of
- B) in the case of
- C) in place of
- D) in fulfilment of
- E) in accordance with,

28. The South African government has committed a further sum of money to the Southern African Large Telescope (SLT), ___ enables the construction of this giant telescope to commence next year.

- A) which
- B) thus
- C) by which
- D) whose
- E) for whom

29. The writers of this article seem to assume that nuclear plants conform with safety requirements ___ the fact that violations are constantly being reported.

- A) in case
- B) although
- C) against
- D) concerning
- E) despite

30. Some scientists ___ us that the thermal blanket around the globe ___ the average temperature of the earth to rise.

- A) were warning / has caused
- B) have been warning / was causing
- C) have warned / may cause
- D) had warned / caused
- E) warn / will have caused

31. A theory ___ only when a hypothesis ___ by consistent results from many observations or experiment.

- A) may have been developed / was being supported
- B) can be developed / has been supported
- C) will be developed / was supported
- D) has been developed / had been supported
- E) had been developed / might have been supported

32. If transport costs ___ into consideration at the outset, the plant ___ far from its present site!

- A) will have taken / are being built
- B) were taken / had been built
- C) have been taken / have been built
- D) were being taken / will be built
- E) had been taken / would have been built

33. The first laser ___ in 1960 by Maiman almost half a century after the publication in 1916 of Einstein's theory of radiation which ___ the possibility of laser operation.

- A) has been demonstrated / had shown
- B) had been demonstrated / showed
- C) was demonstrated / showed
- D) demonstrates / was shown
- E) was being demonstrated / shows

34. The advent of nuclear power ___ the trend to use water-power on a large scale, and hydroelectric installations ___ in all industrial countries with power potential.

- A) has not halted / are being built
- B) did not halt / are built
- C) would not halt / will be built
- D) will not halt / were being built
- E) had not halted / would be built

35. In studying protein-coding sequences, the initiation and the termination codons are usually excluded ---- these two codons almost never change with time.

- A) whereas
- B) in case
- C) but
- D) instead of
- E) since

36. The environment in which we live changes continuously ---- "natural causes" over which we have little control.

- A) in spite of
- B) due to
- C) thus
- D) hence
- E) however

37. Farmers depend on meteorologists ---- accurate forecasts assist in successful agricultural planning.

- A) who
- B) in which
- C) that
- D) what
- E) whose

38. ---- astronomers have so far found no Earth-like planets, this does not mean that there are none.

- A) While
- B) As
- C) Even though
- D) As if
- E) Unless

39. Irrigation is the art of using water, ---- direct rainfall, for crop cultivation.

- A) in case of
- B) besides
- C) compared with
- D) other than
- E) ranging from

40. In statistics, random samples are obtained ---- by sampling replacement from a finite population ---- by sampling without replacement from an infinite population.

- A) either / or
- B) whether / and
- C) just / as
- D) as / as
- E) so / that

41. So far, ---- £ 24 million have been invested in this relatively new Building Society because it cares for the environment.

- A) more of
- B) so much
- C) much as
- D) the most
- E) more than

42. Adhesives are now frequently being used where previously mechanical methods of fastening ---- essential.

- A) would be considered
- B) have been considered
- C) are being considered
- D) were to be considered
- E) were considered

43. All the speculations of engineers about the mechanism of the collapse of the World Trade Center towers ----, in fact, hypotheses, theories of what ----.

- A) were / might happen
- B) are / might have happened
- C) will be / has happened
- D) would have been / might happen
- E) have been / may happen

44. For four decades, researchers ---- the heavens for radio signals that an advanced civilization ---- into the vastness of the galaxy.

- A) have been scanning / may have emitted
- B) scanned / will have emitted
- C) had scanned / could have been emitted
- D) scan / would have emitted
- E) are being scanned / could have emitted

45. Satellite observations ---- that space ---- in a sea of X- rays.

- A) had shown / has been bathed
- B) showed / has bathed
- C) will show / would have bathed
- D) have shown / is bathed
- E) would show / would be bathed

46. Currently, a great deal of attention ---- to the phenomenon known as acid rain, the incidence of which appears to be growing in developed countries.

- A) had been paid
- B) was paid
- C) is being paid
- D) has been paid
- E) will be paid

47. We read continually about global warming ---- to virtually every significant weather event that --- - these days.

- A) having been linked / is occurring
- B) being linked / occurs
- C) to be linked / occurred
- D) linking / would occur
- E) to have been linked / had occurred

48. If the discovery ----, it ---- speculation that the Galaxy is teeming with life.

- A) had been confirmed / would fuel
- B) will be confirmed / will have fuelled
- C) is confirmed / will fuel
- D) has been confirmed / has fuelled
- E) was confirmed / would have fuelled

49. Often the need to clean up the atmosphere ---- through major environmental disasters, of which the London smog of 1952 still ---- a prime example.

- A) was realised / remains
- B) has been realised / remained
- C) would be realised / would remain
- D) was being realised / will remain
- E) had been realised / has remained

50. During the past 40 years, hydroponic farming ---- considerably in a number of areas where temperatures are too extreme for ordinary agriculture.

- A) had progressed
- B) has progressed
- C) progresses
- D) would have progressed
- E) is progressing

51. ---- photographers require short exposures to capture fast moving objects, chemists need short laser pulses to study rapid reactions.

- A) In contrast
- B) In spite of
- C) In case
- D) Since
- E) Just as

52. According to neo-Darwinism, ---- mutation is recognised as the ultimate source of genetic variation, natural selection is given the dominant role in shaping the genetic make-up of populations.

- A) however
- B) although
- C) whether
- D) before
- E) unless

53. Networks without controlled access can ---- ensure the security or privacy of stored data, ---- keep network resources from being exploited by "hackers".

- A) neither / nor
- B) so / as
- C) only / but
- D) rather / than
- E) also / but

54. The research team was relieved to learn that the results of the experiment were in ---- their expectations.

- A) competition with
- B) place of
- C) favour of
- D) excess of
- E) accord with

55. Any magnet, whether it is in the shape of a bar or a horseshoe, has two ends, called poles, ---- the magnetic effect is strongest.

- A) which
- B) what
- C) how
- D) where
- E) that

56. ---- what is generally assumed, the number of animals remaining in a threatened species may actually rise as it approaches the brink of extinction.

- A) In view of
- B) Contrary to
- C) Surprisingly enough
- D) Needless to say
- E) Due to

57. ---- industry is concerned, money spent on research is money well spent.

- A) According to
- B) As much as
- C) As far as
- D) Even so
- E) With regard to

58. Laser beams, ---- are useful in both medicine and industry, were first predicted in science fiction some fifty years ago.

- A) which
- B) what
- C) whatever
- D) where
- E) whose

59. Traffic congestion is frequently not caused by overloading ---- by small disturbances in the flow.

- A) as
- B) but
- C) as well as
- D) more
- E) than

60. Physicists certainly know more about the universe now than ----, but if anything they are ---- puzzled.

- A) once more / so
- B) once before / too
- C) ever before / even more
- D) at such times / as much
- E) ever since / the more

61. The texture of the rock suggested it came from an asteroid and not from a loose, sooty ice ball ---- a comet.

- A) including
- B) like
- C) as
- D) as well as
- E) such

62. In order to establish the date of these footprints he ---- a technique that ---- when the sand grains were last exposed to light.

- A) uses / measured
- B) will use / has measured
- C) has used / will measure
- D) had used / would measure
- E) used / measures

63. In his report he ---- that the scanning technology ---- with novel textile manufacturing techniques.

- A) may recommend / has been combined
- B) recommends / was combined
- C) has recommended / had been combined
- D) recommended / should be combined
- E) had recommended / would have been combined

64. Soon, a revolutionary new steam engine ---- speedboats more safely and efficiently than a conventional outboard motor.

- A) has been powering
- B) would have powered
- C) may be powering
- D) might have powered
- E) can have powered

65. He assures me that the Department of Marine Biogeochemistry, which ---- up in the 1970s, ---- ever since.

- A) was set/ has been expanding
- B) had been set / was expanding
- C) would be set / will expand
- D) has been set / is expanding
- E) would have been set / will be expanding

66. To protect yourself from computer viruses, start by not opening attachments you ----, and ---- suspicious mail immediately.

- A) haven't expected / to delete
- B) are not expecting / deleting
- C) were not expecting / to be deleted
- D) didn't expect / having deleted
- E) won't expect / to have deleted

67. Recent claims that the African elephant is actually two species ----, but the debate still ----.

- A) were contradicted / was continuing
- B) have been contradicted / continues
- C) would have been contradicted / is continuing
- D) will be contradicted / will be continuing
- E) are being contradicted / has continued

68. The first of the great steel arch bridges ---- by James Eads ---- the Mississippi at St Louis.

- A) designed / to be spanning
- B) had been designed / spanning
- C) has been designed / having spanned
- D) was designed / to span
- E) was being designed / to have spanned

69. Precast construction, in which parts of the building ---- on the ground, then lifted into place, ---- less expensive than cast-in-place methods.

- A) will be finished / would be
- B) were finished / would be
- C) are being finished / will be
- D) used to be finished / had been
- E) are finished / is

70. The mummified remains of Oetzi the Iceman seem to suggest that this famous Stone Age man ---- from an attacker before ---- to death.

- A) had fled / to bleed
- B) may have fled / bleeding
- C) fled / having bled
- D) was fleeing / having had to bleed
- E) has fled / to be bleeding

71. ---- I investigated and studied my scientist colleague's account of an environmental experiment, ---- thoroughly convinced I have become that it has no value whatsoever.

- A) So far as / most
- B) The more / the more
- C) Just as / more
- D) Neither / nor
- E) So long as / ever

72. Physicists certainly know ---- about the universe now ---- ever before.

- A) so much / that
- B) enough / just as
- C) both / and
- D) more / than
- E) as well / as

73. For a domestic staircase, an additional form of support, ---- a "carriage", that is a beam under the centre of the stairs, is not usually necessary.

- A) in case of
- B) so that
- C) such as
- D) according to
- E) either

74. Coral reefs are home to ---- of the most beautiful and unusual forms of marine life, ---- of which are found in only 18 places in the world.

- A) few / much
- B) many / none
- C) much / few
- D) a lot / any
- E) some / many

75. ---- the span of a suspension bridge increases, the structure develops a "gravity" stiffness due to its own weight.

- A) As
- B) However
- C) Whereas
- D) While
- E) In case

76. Dinosaurs may have terrorized other creatures during their time on Earth, ---- now it has emerged that some species had a taste for the flesh of their own kind.

- A) unless
- B) whether
- C) because
- D) even if
- E) so that

77. In calculators, calculations — entirely with integers yield exact results as long as the numbers — too big for the space allotted.

- A) doing / were not
- B) having done / have not been
- C) to have been done / would not have been
- D) done / are not
- E) to be done / will not be

78 . Twenty years ago the study of aging — as somewhat misdirected, but now it — into an important science.

- A) was regarded / has developed
- B) had been regarded / would develop
- C) has been regarded / would be developing
- D) would have been regarded / had developed
- E) was being regarded / has been developing

79 . In some ways, we know little more about the planets than — the ancients who worshipped them.

- A) had done
- B) have done
- C) do
- D) would do
- E) did

80. The first stage of the new factory project — last year, and work on the second phase — well now.

- A) had been completed / would progress
- B) was completed / is progressing
- C) would have been completed / was progressing
- D) has been completed / will progress
- E) was being completed / has progressed

81. While the battle — out in the open, the technological capability of the coalition forces — them the lead.

- A) had been fought / was giving
- B) was fought / would give
- C) was being fought / gave
- D) would have been fought / will give
- E) is being fought / has given

82. The interiors of planets are totally inaccessible, — what we know about them comes from indirect measurements and analysis.

- A) so
- B) whereas
- C) even though
- D) since
- E) so as

83. It was not long — the design deficiencies of the room became apparent.

- A) as if
- B) before
- C) until
- D) wherever
- E) unless

84. In every forensic laboratory there should be — with the basic training to make sense of botanical evidence.

- A) each
- B) anyone
- C) someone
- D) one another
- E) them

85. The Centre conducted the study — identify priority areas for conservation.

- A) in order to
- B) as well as
- C) with respect to
- D) due to
- E) with reference to

86. The next model the company produced was well engineered and finely built but, —, it never became popular and sales were poor.

- A) on the contrary
- B) even so
- C) just as
- D) such as
- E) in accordance with

87. This particular rocket motor ---- to burn out after about 65 seconds, after which the craft ---- to coast upward for about 20 seconds.

- A) was being designed / has continued
- B) had been designed / will continue
- C) was designed / had continued
- D) would be designed / continued
- E) has been designed / continues

88. The company's involvement in refrigeration --- - as early as 1918, but more than a decade sale ---- poor.

- A) began / remained
- B) had begun / have remained
- C) was beginning / are remaining
- D) has begun / would remain
- E) would begin / had remained

89. Programmes of this type ---- electricity, gas and water supply networks ---- from a central control point.

- A) allowed / managing
- B) allow / to be managed
- C) would allow / to have been managed
- D) have allowed / to have managed
- E) will allow / having been managed

90. If the permafrost ----, it ---- huge amounts of methane.

- A) melted / can release
- B) had melted / had released
- C) were to melt / released
- D) melts / could release
- E) is melting / would release

91. With the help of two earth-orbiting infrared cameras, scientists ---- eleven active volcanoes for the past two years.

- A) are observing
- B) will have observed
- C) have been observing
- D) were observing
- E) had observed

92. They were immensely pleased with their find, - ---, although the crater's size is not particularly noteworthy, its structure is unique.

- A) nevertheless
- B) but
- C) however
- D) for
- E) unless

93. Many of the most important developments in absolute dating ---- World War II have come from the use of "radioactive clocks".

- A) since
- B) during
- C) until
- D) before
- E) up to

94. Questions about global warming are obviously of concern to the general public, ---- to governments and their scientific advisors.

- A) except
- B) so as
- C) on the whole
- D) as well as
- E) less than

95. Actually, though he and I are both hydrologist, ---- duties and responsibilities are rather different; he is more concerned with flood defense activities, whereas ---- field is strategic planning.

- A) their / his
- B) our / my
- C) your / our
- D) his / mine
- E) my / your

96. Such an investment would save many times ---
- water as could ever be supplied by draining the
Ebro river.

- A) the more
- B) more
- C) as much
- D) as more
- E) the most

97. Astronomers ---- that huge star explosions
could create carbon, oxygen and other elements,
then ---- them into nearby interstellar space.

- A) are theorizing / are ejecting
- B) have theorized / eject
- C) theorized / will eject
- D) theorize / would have ejected
- E) will theorize / ejected

98. Apparently there is a great deal of unused
energy ---- around in our local environment that
we ---- to tap into.

- A) having flowed / may be able
- B) to flow / had been able
- C) to be flowing / were able
- D) flowing / might be able
- E) to have flowed / might have been able

99. According to statistics ---- by the UN Food and
Agriculture Organization, global banana
production ---- steadily over the past 40 years.

- A) having been published / was rising
- B) to be published / would rise
- C) published / has been rising
- D) to publish / rose
- E) being published / had been rising

100. Past research ---- running as a factor in
human evolution because humans ---- poor at fast
running compared to other mammals.

- A) dismissed / would be
- B) has dismissed / are
- C) had dismissed / have been
- D) would dismiss / were
- E) was dismissing / were being

101. The details ---- yet, but the company ---- the
results of the trials as soon as possible.

- A) aren't being revealed / has published
- B) hadn't been revealed / published
- C) won't be revealed / would have published
- D) can't be revealed / would publish
- E) haven't been revealed / will publish

102. Silicon-on-insulator technology, which has
helped improve chip performance considerably,
has become cheaper and easier to adopt, ---- a
technology called Smart Cut

- A) apart from
- B) as regards
- C) according to
- D) thanks to
- E) with respect to

103. Unified field theory in physics is the theory
that attempts to explain the four fundamental
forces, which are strong nuclear, weak nuclear,
electromagnetic and gravity, ---- a single unified
force.

- A) so as to
- B) ahead of
- C) in terms of
- D) with a view to
- E) on behalf of

104. Scientists at the US Geological Survey
Center found that the Canadian quake, ----
measured 7.9 on the Richter scale, triggered off
several smaller ones as far as Nevada and Utah.

- A) in which
- B) which
- C) where
- D) what
- E) who

105. Chip-making is very competitive, so ----
opportunity to cut costs and improve yields is
highly prized.

- A) all
- B) certain
- C) some
- D) any
- E) such

106. The nucleus is surrounded by a number of
moving electrons, ---- of which has a negative
charge equal to the positive charge on a proton.

- A) both
- B) much
- C) less
- D) more
- E) each

107. On a broader scientific level, undersea mapping ---- fundamental knowledge about the Geological forces that ---- the ocean floor.

- A) will provide / would shape
- B) had provided / had shaped
- C) would provide / will shape
- D) is providing / shape
- E) provides / would have shaped

108. Wolfram's type of research ---- to practical developments, but it ---- 50 or 100 years before these developments appear.

- A) would have led / would be
- B) has led / has been
- C) can lead / could be
- D) may lead / had been
- E) leads / would have been

109. A good way ---- understanding of the geodynamo ---- to compare computer dynamos (which lack turbulence) with laboratory dynamos (which lack convection).

- A) to be improved / will be
- B) to have improved / has been
- C) having improved / could be
- D) improving / could have been
- E) to improve / would be

110. Geologists ---- that the Paleozoic sedimentary rocks of the Peruvian Andes are made of debris that ---- from a neighboring landmass.

- A) had found / should have eroded
- B) have found / must have eroded
- C) would find / could have been eroding
- D) find / would be eroding
- E) would have found / was eroding

111. Seahorses ---- too exotic for British waters, but a new study ---- that two species live and breed around Britain's shores.

- A) will seem / would find
- B) seemed / had found
- C) have seemed / may find
- D) would seem / is finding
- E) seem / has found

112. ---- jet engines, which are also reaction engines, modern rockets carry their own oxygen supply to burn their fuel and do not require any surrounding atmosphere.

- A) Instead of
- B) Even
- C) Whereas
- D) Unlike
- E) Whereby

113. Most of us think that random events tend to be equally spread, ---- the contrary seems to be true: randomness tends to occur in clusters.

- A) as if
- B) but
- C) so
- D) moreover
- E) since

114. Many basic issues, ---- the relationship between gravity and quantum physics, remain unsolved.

- A) except for
- B) despite
- C) such as
- D) in case of
- E) instead of

115. A robot is ---- machine that can make decisions independent of human control.

- A) either
- B) some
- C) such
- D) both
- E) any

116. Roentgen, which is the unit of radiation exposure, is defined ---- the number of ions produced in one cubic centimeter of air by the radiation.

- A) in view of
- B) as well as
- C) due to
- D) in terms of
- E) on behalf of

117. For a long time now, biologists ---- that bits of tissue placed next to each other ----.

- A) had known / may fuse
- B) have known / can fuse
- C) knew / had fused
- D) would have known / have fused
- E) know / would have fused

118. Over the past eight years, the TES instrument ---- that Martian rocks and sands ---- almost entirely of volcanic minerals.

- A) would discover / had been composed
- B) has discovered / are composed
- C) would discover / were composed
- D) had discovered / had been composed
- E) was discovering / would be composed

119. It ---- that Brazil's new surveillance system --- a useful tool in the protection of the rain forests.

- A) may be hoped / would have proved
- B) was hoped / had proved
- C) has been hoped / would prove
- D) could be hoped / might have proved
- E) is hoped / will prove

120. Many engineers ---- the thrill of designing a novel product that then ---- mass production.

- A) are having / is entering
- B) had had / had entered
- C) would have / has entered
- D) have had / enters
- E) were having / have entered

121. Over the past eight years, the TES instrument ---- that Martian rocks and sands ---- almost entirely of volcanic minerals.

- A) would discover / had been composed
- B) has discovered / are composed
- C) would discover / were composed
- D) had discovered / had been composed
- E) was discovering / would be composed

122. In order ---- a good sheep-shearing robot I had to understand sheep shearers and the skill of shearing, as well as the technology ---- in building a robot.

- A) having built / to have been involved
- B) building / to be involved
- C) to build / involved
- D) to be building / involving
- E) to have built / having been involved

123. Certain reactions, ---- catalytic methanation, appear to stop before they are complete.

- A) instead of
- B) such as
- C) in place of
- D) in case of
- E) with reference to

124. He realized that the world could run out of key resources, ---- he was a harsh critic of the wastefulness of modern industrial society.

- A) so that
- B) whether
- C) so long as
- D) and so
- E) but

125. Engineering structures must conform ---- to their type ---- to the laws of physics.

- A) not only / but also
- B) as / as
- C) more / but
- D) both / as
- E) either / and

126. ---- the car is equipped with a sophisticated protection system, you know you are fully protected.

- A) Until
- B) Even if
- C) Although
- D) So
- E) Since

127. The harder a material is, ---- ductile or workable it tends to be.

- A) the most
- B) as much
- C) the less
- D) more
- E) so much

128. The Proctor Prize ---- annually since 1950 to an outstanding scientist who ---- known for effective communication of complex ideas.

- A) was being presented / is being
- B) was presented / had been
- C) would be presented / will be
- D) had been presented / has been
- E) has been presented / is

129. In their quest to build a computer that ---- advantage of the weirdness of quantum mechanics, physicists ---- a number of disparate technologies.

- A) is taking / will be testing
- B) will take / are testing
- C) must take / had tested
- D) took / have had to test
- E) had taken / have tested

130. Individuals who ---- that animals ---- feelings are usually accused of anthropomorphism, or ascribing human traits to nonhuman beings.

- A) had claimed / had
- B) claimed / will have
- C) are claiming / would have
- D) claim / have
- E) would claim / must have had

131. The reason why the moon doesn't orbit the Sun is because the Earth is also ---- towards the Sun, and so the two ---- through space together.

- A) going to pull / will have been moving
- B) having been pulled / moved
- C) pulling / were moving
- D) to pull / move
- E) being pulled / are moving

132. Electromagnetic traps for atomic ions work well for experiments using a small number of ions ---- they are completely impractical for large-scale systems.

- A) so long as
- B) now that
- C) although
- D) in case
- E) whether

133. The trend of increasing carbon dioxide in the atmosphere is documented by the examination of air bubbles trapped in glacial ice ---- by direct measurements of the atmosphere.

- A) as well as
- B) unless
- C) because of
- D) also
- E) whereas

134. Being a scientist does not prevent one from participating in other fields of human endeavour, ---- being an artist does not prevent one from practising science.

- A) so far as
- B) rather than
- C) so that
- D) as well as
- E) just as

135. The book adheres ---- closely to a standard chemistry curriculum.

- A) seldom
- B) such
- C) as
- D) fairly
- E) enough

136. It was not obvious to scientists what the solution would be to the cosmic radiation astronauts are exposed to; ---- was it obvious that there would be any solution at all.

- A) either
- B) so
- C) and
- D) but
- E) nor

137. Some evolutionary biologists argue that if the clock of evolution ---- to the beginning and allowed to run again to the present day, the resulting animals on Earth ---- very different from the ones we know now.

- A) has been rewound / would have been
- B) is rewound / will be
- C) might be rewound / will have been
- D) had been rewound / had been
- E) could be rewound / might be

138. Scientists who ---- alert the world to the existence of a hole in the stratospheric ozone layer recently reported that this feature of the atmosphere ---- widening soon.

- A) help / would stop
- B) have helped / might have stopped
- C) helped / may stop
- D) will help / might stop
- E) had helped / has stopped

139. Meteorites ---- the best available record of the chemical and physical processes that ---- during the first million years of our solar system's history.

- A) provide / occurred
- B) are providing / have occurred
- C) had provided / occurred
- D) could provide / would occur
- E) provided / might occur

140. Today one third of the carbon dioxide (CO₂) given off by burning fossil fuels ---- the oceans, thus ---- their naturally alkaline pH.

- A) is entering / reduces
- B) enters / reducing
- C) had entered / will reduce
- D) will enter / reduced
- E) would enter / having reduced

141. Until recently, some scientists ---- that many individuals of the same species ---- specific tasks better than the same number of individuals from different species.

- A) will think / are performing
- B) were thinking / will perform
- C) think / ought to perform
- D) had thought / would be performing
- E) thought / could perform

142. ---- providing energy, proteins provide the raw materials for building the body's tissues and regulating its many activities.

- A) According to
- B) As regards
- C) Despite
- D) In addition to
- E) Contrary to

143. The theory posits that Earth's climate changes ---- cyclic variations in the way it orbits the sun.

- A) in place of
- B) in case of
- C) so as to
- D) in view of
- E) as a result of

144. Life on Earth would be impossible without water, ---- all life forms, from bacteria to plants and animals, contain it.

- A) since
- B) even so
- C) unless
- D) that
- E) when

145. Obtaining nutrients is of ---- vital importance ---- both individual organisms and ecosystems are structured around the central theme of nutrition, the process of taking in and using food.

- A) more / than
- B) such / that
- C) so / as
- D) much / like
- E) either / or

146. Butterflies have some characteristics that are ---- for professional scientists to understand ---- amateur enthusiasts.

- A) easier / than
- B) the easiest / as
- C) as easy / so
- D) so easy / that
- E) easiest / like

147. Earthquake rupture ---- to occur by enlargement of a crack, but more recent observations ---- a "pulse-like" mode of rupture enlargement.

- A) had been thought / would be indicated
- B) can be thought / had indicated
- C) was thought / will have indicated
- D) has been thought / indicate
- E) must be thought / may have indicated

148. Cosmologists are addressing some of the fundamental questions that people ---- to resolve over the centuries through philosophical thinking, but they ---- this based on systematic observation and quantitative methodology.

- A) would attempt / have done
- B) attempt / will do
- C) may attempt / did
- D) attempted / should do
- E) have attempted / are doing

149. The shuttle ---- the atmosphere at precisely 38° for heat shields below the fuselage and the wings ---- the craft from heat damage.

- A) must re-enter / to protect
- B) has re-entered / having protected
- C) re-entered / to have protected
- D) re-enters / to be protecting
- E) should re-enter / to have been protecting

150. From the year 1665, when Robert Hooke ---- cells, until the middle of the twentieth century, biologists ---- only light microscopes for viewing cells.

- A) used to discover / could have had
- B) had discovered / would have
- C) discovered / had
- D) has discovered / have had
- E) could discover / have

151. Sea bindweed *Calystegia soldanella* ---- a fleshy-leaved cousin of the more widespread, white-flowered hedge bindweed (*C. sepium*) that -- -- fences and hedges everywhere in the summer.

- A) might be / had clothed
- B) is / clothes
- C) should be / has clothed
- D) could be / would have clothed
- E) was / can clothe

152. Comets are thought to have changed very little over the last 4 billion years, ---- their composition should hold clues to the origin of the solar system.

- A) but
- B) whereas
- C) just as
- D) in that
- E) so

153. Robots will never be much good at household tasks such as pouring coffee or polishing shoes ---- they can calculate their position accurately.

- A) since
- B) when
- C) unless
- D) so that
- E) in case

154. About half of all women over 65 years of age take some type of nutrition supplement, ---- only about one-fifth of older men do.

- A) before
- B) because
- C) that is
- D) while
- E) despite

155. Coal produces ---- CO₂ per energy unit ---- any other fossil fuel.

- A) also / as
- B) more / than
- C) such / that
- D) either / or
- E) so / as

156. Every rock, ---- copper-veined, silver-clad, or black-glazed, tells a story about the Earth as a whole.

- A) both
- B) also
- C) whether
- D) all
- E) that

157. Geology and biology ---- since life ----.

- A) are intertwined / has begun
- B) were intertwined / had begun
- C) have been intertwined / began
- D) would be intertwined / begins
- E) could be intertwined / will begin

158. ---- missing heat-shield tiles or a failed undercarriage door have allowed the airframe ----?

- A) Could / to melt
- B) Would / melt
- C) Might / to be melting
- D) Can / melting
- E) Will / be melting

159. In April 1953, Watson and Crick ---- the scientific world with a succinct paper ---- their model for DNA.

- A) were shaking / to explain
- B) had been shaking / to have explained
- C) have shaken / to be explaining
- D) shook / explaining
- E) had shaken / having explained

160. Common fungicides ---- for the puzzlingly high levels of DDT still found in some soils, even in regions where this potent insecticide ---- decades ago.

- A) are blamed / would have been banned
- B) could be to blame / was banned
- C) were blamed / must be banned
- D) might be blamed / would be banned
- E) are to blame / has been banned

161. Rockets ---- to have originated with the Chinese before the thirteenth century, which is when they ---- to appear in Europe.

- A) may be believed / were beginning
- B) could be believed / have begun
- C) were believed / had begun
- D) have been believed / could begin
- E) are believed / began

162. Fish often spend much of their time in the deep, cool waters of a lake ---- oxygen levels there become depleted by decomposers.

- A) as if
- B) just as
- C) now that
- D) unless
- E) so as

163. In 2002, ---- Australia's Great Barrier Reef was hit hard by unseasonable warming, 95 per cent of its coral was adversely affected.

- A) so that
- B) if
- C) when
- D) so long as
- E) in case

164. ---- a violent storm is over, it leaves a cooler ocean behind, lowering the likelihood that more storms will flare up, at least not immediately.

- A) Once
- B) Even so
- C) Even if
- D) Since
- E) While

165. Humans, like all warm-blooded animals, can keep their core body temperatures pretty much constant ---- differences in the temperature in the world around them.

- A) as of
- B) regardless of
- C) instead of
- D) in terms of
- E) because of

166. The part of an animal ---- gases are exchanged with the environment is called the *respiratory surface*.

- A) how
- B) which
- C) whatever
- D) what
- E) where

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1	C	31	B	61	B	91	C	121	B	151	B								
2	E	32	E	62	D	92	D	122	C	152	E								
3	D	33	C	63	D	93	A	123	B	153	C								
4	E	34	A	64	C	94	D	124	D	154	D								
5	C	35	E	65	A	95	B	125	A	155	B								
6	C	36	B	66	B	96	C	126	E	156	C								
7	D	37	E	67	B	97	B	127	C	157	C								
8	C	38	D	68	D	98	D	128	E	158	A								
9	E	39	D	69	E	99	C	129	B	159	D								
10	D	40	A	70	B	100	B	130	D	160	B								
11	A	41	E	71	B	101	E	131	E	161	E								
12	E	42	E	72	D	102	D	132	C	162	D								
13	C	43	B	73	C	103	C	133	A	163	C								
14	A	44	A	74	E	104	B	134	E	164	A								
15	E	45	D	75	A	105	D	135	D	165	B								
16	A	46	C	76	D	106	E	136	E	166	E								
17	D	47	B	77	D	107	D	137	E										
18	C	48	C	78	A	108	C	138	C										
19	D	49	A	79	E	109	E	139	A										
20	E	50	B	80	B	110	B	140	B										
21	C	51	E	81	C	111	E	141	E										
22	D	52	B	82	A	112	D	142	D										
23	B	53	A	83	B	113	B	143	E										
24	D	54	E	84	C	114	C	144	A										
25	A	55	D	85	A	115	E	145	B										
26	E	56	B	86	B	116	D	146	A										
27	B	57	C	87	E	117	B	147	D										
28	A	58	A	88	A	118	B	148	E										
29	D	59	B	89	B	119	E	149	A										
30	C	60	C	90	D	120	D	150	C										