



MINISTRY OF DEFENCE
MOD
TEST GUIDE

BY: FAQEER MUHAMMAD BHUTTO
FEDERAL GOVERNMENT OFFICER

FOR:

- ASSISTANT DIRECTOR
- SUB-INSPECTOR
- TRAFFIC ANALYST SUPERVISOR
- ASSISTANT SUB-INSPECTOR
- SECURITY ASSISTANT SUB-INSPECTOR
- SUB DIVISIONAL OFFICER
- ASSISTANT, UDC & LDC
- SPECIAL OPERATOR
- ALL OTHER POSTS OF MOD

VIRTUAL ACADEMY OF PAKISTAN

BY: **FAQEER MUHAMMAD BHUTTO /03003435675**

ASSISTANT DIRECTOR MOD 2021

Four lettered pairs (A to D) follow a related pair of words given in capitals. Select the lettered pair that best expresses a relationship similar to that expressed in the original pair in capitals.

1. **HAMLET: VILLAGE:**
(A) highway: car
(B) building: skyscraper
(C) photograph: portrait
(D) cottage: house
2. **PORTICO: BUILDING:**
(A) wheel: bicycle
(B) ship: steamer
(C) stove: kitchen
(D) fort: fortress
3. **CARELESSNESS: ACCIDENT:**
(A) money: luck
(B) trophy: winner
(C) runner: fatigue
(D) hard work: success
4. **COACH: TEAM:**
(A) groupie: band
(B) foreman: jury
(C) diplomat: country
(D) senator: senate
5. **FRAGILE: CRACK:**
(A) cemetery: death
(B) pliable: bend
(C) hydro: water
(D) irreducible: reduce

Question 6-10

Seismologists have devised two scales of measurements to enable them to describe and record information about earthquakes in quantitative terms. The most widely known measurement is the Richter scale, a numerical logarithmic scale developed and introduced by American seismologist Charles R. Richter in 1935. The purpose of the scale is to measure the amplitude of the largest trace recorded by a standard seismograph one hundred kilometers from the epicenter of an earthquake. Tables have been formulated to demonstrate the magnitude of any earthquake from any seismograph. For example, a one unit increase in magnitude translates into an increase of times thirty in

released energy. To put that another way, each number on the Richter scale represents an earthquake ten times as strong as one of the next lower magnitude. Specifically, an earthquake of magnitude 6 is ten times as strong as an earthquake of magnitude 5.

On the Richter scale, earthquakes of 6.75 are considered great and 7.0 to 7.75 are considered major. An earthquake that reads 4 to 5.5 would be expected to have caused localized damage and those of magnitude 2 may be felt. It is estimated that almost one million earthquakes occur each year, but most of them are so minor that they pass undetected. In fact, more than one thousand earthquakes of a magnitude of 2

or lower on the Richter scale occur every day.

6. What is the value of the tables?
(A) They allow us to interpret the magnitude of earthquakes
(B) They help us to calculate our distance from earthquakes
(C) They record all earthquakes
(D) They release the energy of earthquakes
7. According to information in the passage, what does the Richter scale record?
(A) The distance from the epicenter
(B) The amplitude of the largest trace
(C) The degree of damage
(D) The location of the epicenter
8. The word "standard" used in the passage could be replaced by:
(A) reliable (B) complex
(C) conventional (D) abandoned
9. The word "undetected" used in the passage is closest in meaning to:
(A) with no damage
(B) with no notice
(C) with no name
(D) with no problem
10. The passage discusses all of the following in the explanation of the Richter scale EXCEPT:
(A) It was introduced in 1935
(B) It was developed by an American seismologist
(C) It has a scale of 1 to 12

(D) It measures the magnitude of earthquakes

Choose the lettered word or phrase that is most nearly opposite in meaning to the word in capital letters.

11. LIBERAL:
(A) plain (B) cunning
(C) conservative (D) moderate
12. MOTILE:
(A) confused (B) frightened
(C) immobile (D) willing
13. IMITATION:
(A) serious (B) separate
(C) stable (D) genuine
14. AGILE:
(A) orderly (B) durable
(C) stiff (D) gloomy
15. FALLOW:
(A) fatuous (B) productive
(C) bountiful (D) pertinacious

Each of the following questions consists of a sentence with all or part of the sentence underlined. Following the requirements of standard written English, select (A) if the original is best otherwise choose the best phrase from the options.

16. A heap of broken glass and twisted metal ????? he thought, was an eyesore.
(A) the wreck, he thought, was
(B) the wreckage, he thought was
(C) the wreck to his thought was
(D) he considered the wreck to be
17. Except for the fact that you are missing three pages of work, your portfolio appears to be of extremely high caliber.
(A) Except for the fact that
(B) Besides that
(C) Due to the fact that
(D) Excepting that
18. The data are not sufficient to require an investigation.
(A) The data are not sufficient to require
(B) The data is not sufficient to require
(C) The data is not sufficient for requiring
(D) The data are not, sufficient for the requiring of
19. When the department was expanded it was clearly a wise move.
(A) When the department was expanded it was clearly a wise move.
(B) Expanding the department it was clearly a wise move.
(C) Expanding the department was clearly a wise move.
(D) Clearly, it was a wise move for the department to be expanded.
20. The geometrical design of the quilt was traditional, but using strikingly modern fabrics.

- (A) but using strikingly modern fabrics
(B) strikingly modern fabrics were used
(C) using striking modern fabrics
(D) the fabrics used were strikingly modern

Complete the sentences by choosing the most appropriate option, from the given lettered choices (A to D) below each.

21. Because light travels faster than sound, lightening appears to _____ thunder.
(A) prolong (B) traverse
(C) go before (D) repel
22. The unique world of the film is _____, both wholly recognizable and unfamiliar.
(A) contradictory (B) realistic
(C) simplistic (D) timeless
23. Optical Instruments such as cameras, microscopes, and _____ all produce Images with lenses.
(A) projecting (B) projection
(C) to project (D) projectors
24. Because auto repair places have such _____ rates, many community colleges have _____ courses in automotive mechanics.
(A) shattering ... planned
(B) exorbitant ... Instituted
(C) impertinent ...discussed
(D) reasonable ... Introduced
25. Your speech was not relevant _____ the topic.
(A) by (B) with
(C) to (D) about
26. We plan 'an taking Professor Johar's class unless he _____ on vacation next term.
(A) is (B) be
(C) were (D) has been
27. If I _____ you, I would take the Introductory course first before trying to tackle the more advanced ones.
(A) am (B) be
(C) was (D) were
28. The electrical field produced by a single wire is not very strong, so to increase it, _____ into a coil.
(A) the wire is wound
(B) the wire wound
(C) to wind the wire
(D) by winding the wire
29. Condensation involves _____ from its vapor to its liquid state.
(A) a substance is changed
(B) the change of a substance
(C) a substance of changing
(D) to change a substance
30. His thirst _____ knowledge left him no leisure for anything else.
(A) to (B) with
(C) for (D) over

Questions 31-33

A Chef is selecting two sets of ingredients Set 1 and Set 2 for cooking, choosing from seven ingredients T, U, V, W, X, Y and Z. Set 1 will contain four of the ingredients and Set 2 will contain the other three ingredients. The Chef must select the

Ingredients for each set according to the following restrictions:

T cannot be in the same set as U.

If X is in Set 2, Z must also be in Set 2.

If Z is in Set 1, W must also be in Set 1.

31. If T and Z are in Set 2, any of the following ingredients can also be in Set 2 EXCEPT:
(A) X (B) Y
(C) U (D) V
32. If Z is in Set 1, which of the following must be true?
(A) U is in the same set as V
(B) W is in the same set as Y
(C) T is in Set 1
(D) V is in Set 2
33. If X is in Set 2, which of the following must be true?
(A) Y is in the same set as Z
(B) T is in Set 2
(C) U is in Set 2
(D) W is in Set 1

Questions 34-37

Dr. Aalia has patients Asma, Bano, Chandni, Faiza, Hadia, Kirn and Nida. She will give them medicines' doses after breakfast, lunch and dinner and each patient stays for one or more doses.

The following rules will determine when the patients visit.

Two consecutive doses may not be given to the same patient.

Each dose is given to two or more patients.

Whenever Asma stays for a dose, Bano stays for that dose, too.

Kirn visits for the dose immediately before Faiza's dose.

Kirn won't come for the same dose as Nida.

34. Which of the following is an accurate list of patients who could stay for dose after breakfast?
(A) Asma, Kirn, Nida
(B) Chandni, Madia, Kirn
(C) Asma, Bano, Kirn, Nida
(D) Asma, Chandni
35. Which of the following patients will not come for dose after breakfast?
(A) Kirn (B) Nida
(C) Chandni (D) Faiza

36. If only Bano, Chandni and Faiza stay for dose after dinner, then which of the following will stay for dose after lunch?

- (A) Kirn, Bano (B) Nida, Asma
(C) Hadia, Asma (D) Hadia, Kirn

37. If only Bano, Chandni and Nida come for dose after breakfast, which of the following will come for dose after dinner?

- (A) Hadia (B) Kirn
(C) Nida (D) Bano

Question 38-44

Three division office managers, Faheem, Ali and Basil, draw office assistants each day from the clerical and typing pools available to them. The clerical pool consists of Kamal, Javed, Imran and Saad. The typing pool consists of Raheem, Gohar and Hashim. The office assistants are selected according to the following conditions:

Faheem always needs at least one typist but never more than two assistants.

Ali always needs at least two assistants but never more than three. Saad or Gohar and one other assistant always work for Basil.

Gohar and Kamal always work together.

Imran and Raheem will not work together.

No more than two typists work for the same manager but all three typists must work each day.

38. If Gohar works for Faheem and all of the assistants work, then which one of the following must be false?
(A) Javed works for Basil
(B) Saad works for Basil
(C) Kamal works for Faheem
(D) Imran works for Ali
39. If Saad doesn't work for Basil then which one of the following must be true?
(A) Raheem works for Faheem
(B) Gohar works for Ali
(C) Kamal works for Basil
(D) Imran works for Ali
40. Assume that Kamal and Javed work for Ali. Which one of the following must be true?
(A) Gohar works for Ali
(B) Raheem works for Basil
(C) Hashim works for Faheem
(D) Raheem works for Faheem
41. Assume that Saad and Javed work for Ali. If all of the assistants work, then which one of the following must be true?
(A) Raheem works for Ali
(B) Gohar works for Faheem
(C) Kamal works for Ali
(D) Hashim works for Faheem
42. Which one of the following must be false?
(A) Hashim and Raheem never work for Basil on the same day.
(B) Imran and Gohar never work for Faheem on the same day

- (C) Javed and Saad never work for Faheem on the same day
 (D) Kamal and Saad can work for Ali on the same day
43. If works for Basil and all of the assistants work, then:
 (A) Imran works for Ali
 (B) Raheem works for Ali
 (C) Hashim works for Ali
 (D) Kamal works for Ali
44. Assume that Ali needs only two assistants and Faheem needs only one assistant. If Hashim works for Faheem then which one of the following must be true?
 (A) Javed works for Ali.
 (B) Saad doesn't work.
 (C) Imran doesn't work.
 (D) Raheem works for Ali.

Question 45-48

A collection of three color pencils must be selected from ??? color pencils Blue, Brown, Green, Pink, Red and Yellow according to the following conditions:

Either Blue or Green or both must be selected.

Either Brown or Red must be selected, neither Red nor Green can be selected with Brown.

45. Which of the following is an acceptable selection of pencil colors?
 (A) Blue, Brown and Green
 (B) Blue, Green and Pink
 (C) Blue, Green and Red
 (D) Brown, Green and Red
46. Which of the following pairs of pencil colors CANNOT both be among the pencil colors selected?
 (A) Blue and Brown
 (B) Blue and Pink
 (C) Brown and Yellow
 (D) Pink and Yellow
47. If Green is selected, which of the follows must also be among the pencil colors selected?
 (A) Blue (B) Brown
 (C) Pink (D) Red
48. If Red is not selected, which pair of pencil colors must be among those selected?
 (A) Blue and Brown (B) Blue and Pink
 (C) Blue and Yellow (D) Brown and Pink

Researcher: Heavily insulated hornet trap radon gas much better than do poorly insulated homes.. Therefore, those who live in heavily insulated hornet are at greater risk for certain types of brain cancer because evidence shows that those who are being treated for brain cancer have high blood levels of the radioactive compounds that are found in those who ere exposed to high levels of radon gas.

49. Which one of the following, If true, most undermines the researcher's argument?

- (A) Exposure to radiation is known to lead to an increased incidence of cancer of all kinds.
 (B) Young people are particularly susceptible to the negative consequences of high levels of radon exposure.
 (C) Radioactive compounds are used in many cases to help develop an initial diagnosis of medical problems.
 (D) The most common brain cancer therapy involves radiation and leads to high blood levels of many radioactive compounds.

Questions 50-53

A small basket of three vegetables must be filled from six vegetables Cabbage, Carrot, Onion, Potatoes, Radish and Turnips according to the following conditions:

Either Cabbage or Onion, or both, must be selected.

Either Carrot or Radish must be selected, but neither Radish nor Onion can be selected with Carrot.

50. Which of the following is an acceptable selection of vegetables?
 (A) Cabbage, Onion and Radish
 (B) Carrot, Onion and Radish
 (C) Carrot, Potatoes and Radish
 (D) Cabbage, Carrot and Onion
51. Which of the following pairs of vegetables CANNOT both is among the vegetables selected?
 (A) Cabbage and Potatoes
 (B) Carrot and Turnips
 (C) Potatoes and Turnips
 (D) Radish and Turnips
52. If Onion is selected, which of the following must also be among the vegetables selected?
 (A) Cabbage (B) Carrot
 (C) Potatoes (D) Radish
53. If Radish is not selected, which pair of vegetables must be among those selected?
 (A) Cabbage and Turnips
 (B) Cabbage and Carrot
 (C) Cabbage and Potatoes
 (D) Carrot and Potatoes
- No iconoclasts are public figures and all politicians are public figures. It follows that no politicians are fanatics.
54. The conclusion above follows logically if which one of the following is assumed?
 (A) All fanatics are public figures
 (B) All fanatics are iconoclasts
 (C) All public figures are politicians
 (D) No fanatics are iconoclasts

Questions 55-59

A software programmer is preparing computer passwords. Each password will contain exactly two letters to be selected from F, G and H and exactly

three digits to be selected from 4, 5, 6, 7 and 8, with the following restrictions:

G cannot be in the same password as 8.

4 cannot be in the same password as 7.

5 cannot be in the same password as 8.

55. If G is included in a password, which of the following letter/digit must also be included?

- (A) F (B) H
(C) 4 (D) 5

56. If H is not included in a particular password, any of the following digit can be included EXCEPT:

- (A) 5 (B) 6
(C) 7 (D) 8

57. Which of the following letter/digit must be included in each of the computer passwords?

- (A) G (B) H
(C) 4 (D) 6

58. If 8 is included in a password, the password must also include which of the following letter/digit?

- (A) F and G (B) F and H
(C) G and H (D) 4 and 6

59. In a computer password that contains an acceptable assortment of letters / digits, which of the following substitutions will always result in another acceptable assortment?

- (A) 4 for 7 (B) 5 for 6
(C) 7 for 6 (D) 8 for 4

Dentist: Many children today eat so much sugary processed food that tooth decay has become a more serious problem than ever. Periodic brushing can protect children's teeth only if they also receive regular twice-yearly professional cleanings. Hence, the dental reimbursement plans offered by most companies are inadequate to protect the dental health of at least some children.

60. Which one of the following is an assumption required by the dentist's argument?

- (A) In the past, children did not require twice-yearly professional cleanings to protect their teeth from decay.
(B) Some dental reimbursement plans offered by companies are adequate to protect me sugary processed food.
(C) No single dental reimbursement plan suits the dental health needs of all families.
(D) The dental reimbursement plan suits the dental health needs of all families.
(D) The dental reimbursement plans offered by some companies do not provide for regular twice-yearly professional cleanings for children

61. National Finance Commission tries to resolve the financial matters between:

- (A) Punjab and Sindh
(B) Khyber Pukhtunkhwa and Balochistan
(C) Federation and the provinces

(D) Sindh and Balochistan

62. The China-Pakistan Economic Corridor was launched in :

- (A) 2012 (B) 2010
(C) 2016 (D) 2015

63. Who wrote "Mauj-e-Kausar"?

- (A) Amir Khusro
(B) Mir Taqi Mir
(C) Khawja Ameer Dard
(D) Sheikh Muhammad Akram

64. River Indus extends to the Arabian Sea from:

- (A) Larkana (B) Sukkur
(C) Thatha (D) Sanghar

65. During the partition of Punjab in 1947, India was granted a land link to Jammu and Kashmir via:

- (A) Ferozpur (B) Faridkot
(C) Gurdaspur (D) Anritsar

66. Liaquat-Desai Talks 1944 held after the failure of _____ to resolve differences between Congress and Muslim League.

- (A) Gandhi-Jinnah Talks
(B) Gandhi-Liaquat Talks
(C) Desai-Jinnah Talks
(D) Nehru-Liaquat Talks

67. The length of Durand Line is:

- (A) 4450 km (B) 3350 km
(C) 2250 km (D) 1150 km

68. The first International Organization which Pakistan joined was:

- (A) UNO
(B) RCO
(C) British Commonwealth
(D) IMF

69. The period from 1954 to 1962, is known as _____ Pakistan's Foreign Policy.

- (A) Era of Neutrality
(B) Era of Antagonism
(C) Era of Bilateralism
(D) Era of Alliances

70. _____ was the great Ambassador of Hindu-Muslim Unity in his 1st phase of political career.

- (A) A.K. Fazalulhaq
(B) Sir Syed Ahmed Khan
(C) Quaid-e-Azam Muhammad Ali Jinnah
(D) Maulana Muhammad Ali Johar

71. Through the mediation of _____ Tashkent Agreement held between India and Pakistan in 1966.

- (A) Soviet Union (B) Uzbekistan
(C) USA (D) UK

72. The Hindi-Urdu Controversy started in:

- (A) 1867 (B) 1868
(C) 1869 (D) 1870

73. Name of NWFP was changed to KPK in:

- (A) 2010 (B) 2007
(C) 2009 (D) 2012

74. Maulvi Tameez-ud-Din was elected as _____ of the First Constituent Assembly of Pakistan.
 (A) President
 (B) Vice President
 (C) Chairman
 (D) Deputy chairman
75. Chinkara Deer and Peacocks are mostly found
 (A) Himalayas and Hindukush
 (B) Deserts
 (C) Plain areas
 (D) Barren mountains
76. The picture on the back of 100 Rupee Pakistani Note is of _____
 (A) Islamia College, Peshawar
 (B) State Bank of Pakistan
 (C) Ziarat
 (D) Badshahi Mosque
77. Sub-Himalayan Range is also known as:
 (A) Karakoram Range
 (B) Sulaiman Mountain Range
 (C) Hindukush Mountain Range
 (D) Siwalik Mountain Range
78. Thal Desert is situated between:
 (A) River Chenab and River Sutlej
 (B) River Sutlej and River Beas
 (C) River Jhelum and River Indus
 (D) River Ravi and River Jhelum
79. In 1928, Allama Muhammad Iqbal opposed Jinnah League and supported the :
 (A) Qasim League
 (B) Shafi League
 (C) Liaqat League
 (D) Zafar League
80. Lowari Tunnel links _____ with _____
 (A) Gilgit ; KPK (B) Chitral ; Gilgit
 (C) Chitral ; Dir (D) Chitral ; Kalam
81. Through the _____ of 1946, the Pakistan Resolution was amended.
 (A) Delhi Resolution
 (B) Bombay Resolution
 (C) Lucknow Resolution
 (D) Karachi Resolution
82. Khawaja Nazim-ud-Din constituted the Basic Principles Committee in 1949 for the purpose :
 (A) To make recommendations to provinces
 (B) To make preparations for the Budget
 (C) To prepare assembly regulations
 (D) To expedite the work of constitution-making
83. Lari Language is spoken in:
 (A) Upper Sindh (B) Sindh & Punjab
 (C) Central Sindh (D) Lower Sindh
84. Wakhan Corridor separates Pakistan from:
 (A) Kyrgyzstan (B) China
 (C) Afghanistan (D) Tajikistan
85. Trimmu Barrage is located at _____ river, in Jhang District of Punjab.
 (A) Sutlej (B) Ravi
 (C) Jhelum (D) Chenab
86. The reaction of the Indian National Congress and All India Muslim League towards the Cripps Mission's proposals was:
 (A) Muslim League accepted while Congress rejected
 (B) Congress accepted while Muslim League rejected
 (C) Accepted by both
 (D) Rejected by both
87. The ruins of Harrapa are situated in District:
 (A) Pak Pattan (B) Okara
 (C) Multan (D) Sahiwal
88. Quaid-e-Azam joined All India Muslim League in 1913 at the persuasion of:
 (A) Maulana Muhammad Ali Jouhar
 (B) Maulana Shoukat Aali
 (C) Sir Agha Khan
 (D) Nawab Waqar-ul-Mulk
89. The Lucknow Pact of 1916 was concluded between:
 (A) Indian National Congress and All India Muslim League
 (B) Muslims and Sikhs
 (C) Hindus and Sikhs
 (D) All India Muslim League and the British !
90. At the time of partition of India, Kashmiris were divided into:
 (A) Allied Conference and Axis Conference
 (B) Muslim Conference and National Conference
 (C) Muslim League and Congress
 (D) Muslim Conference and Allied Conference
91. An action is right if it maximizes good for the self. This phrase refers to:
 (A) Centralism (B) Self reliance
 (C) Socialism (D) Egoism
92. State has four elements. These are:
 (A) Culture, Society, Government, Territory
 (B) Territory, Government, Sovereignty, Society
 (C) Population, Territory, Government, Administration
 (D) Population, Territory, Government, Sovereignty
93. A person who recites Kalma of Islam verbally NOT heartily is called:
 (A) Munafiq (B) Muslim
 (C) Murtad (D) Momin
94. Our personal matters are controlled by:
 A. Individual ethics B. Collective ethics
 (C) Social ethics (D) Meta ethics
95. Determination of right and wrong for an individual society is known as:
 (A) Normality (B) Morality

- (C) Positivity (D) Cohesion
96. Which Surah of Quran has Bismillah twice?
 (A) Surah Al-Imran
 (B) Surah Yaseen
 (C) Surah Al-Namal
 (D) Surah Muhammad
97. What is the meaning of Mann-O-Salwa, in Islam?
 (A) Food of Heaven
 (B) House of Angels
 (C) Nama of Rock
 (D) Door of Heaven
98. _____ was the carpenter.
 (A) Hazrat Zakaria (AS)
 (B) Hazrat Moosa (AS)
 (C) Hazrat Essa (AS)
 (D) Hazrat Yaqoob (AS)
99. Social Interaction is a basic human:
 (A) Need (B) Norm
 (C) Idea (D) Desire
100. Which of the following is NOT included in the themes of ethics?
 (A) Kindness (B) Meeting
 (C) Love (D) Sympathy
101. Jalsa in Namaz is _____
 (A) Sunnah (B) Farz
 (C) Mustahib (D) Wajib
102. For the welfare of society, the government decisions should be:
 (A) Validated (B) Attractive
 (C) Productive (D) transparent
103. On agricultural lands _____ is levied.
 (A) Jizya (B) Ushr
 (C) Kharaj (D) Zakat
104. The idea of the determination of "Summum bonum" (suprema good) was presented by:
 (A) Alexander The Great
 (B) Socrates
 (C) Plato
 (D) Aristotle
105. Misaq-e-Madina was signed between the Muslims and?
 (A) Hindus (B) Jews
 (C) Christians (D) Munafiqeen
106. To what Prophet, Zubur was revealed by Allah?
 (A) Prophet Daud (AS)
 (B) Prophet Essa (AS)
 (C) Prophet Ibrahim (AS)
 (D) Prophet Musa (AS)
107. A man who DO NOT follows any religion is called:
 (A) Transgressor (B) Atheist
 (C) Sinner (D) Munkir
108. Relationship of Hazrat Loot (AS) with Hazrat Ibrahim (AS) is:
 (A) Grandfather (B) Nephew
 (C) Cousin (D) Brother

109. Who among following is not a member of Mubashara?
 (A) Hazrat Umar (RA)
 (B) Hazrat Abu Obaida (RA)
 (C) Hazrat Abu Huraira (RA)
 (D) Hazrat Saeed bin Zaid (RA)
110. Quranic mendate of Wuzu, is mentioned in _____ Surah.
 (A) Al-Imran (B) Al-Noor
 (C) Al-Maida (D) Al-Aaraf
111. Chief Minister of Baluchistan is:
 (A) Sanaullah Khan Zehri
 (B) Mir Abdul Qadus Bazenjo
 (C) Dr Abdul Malik Baloch
 (D) Jam Kamal Khan
112. The shortest day in southern hemisphere is:
 (A) 21 June (B) 21 December
 (C) 22 December (D) 20 June
113. The propagation of radio signals is greatly influenced by:
 (A) Exosphere (B) Troposphere
 (C) Ionosphere (D) Thermosphere
114. Which of the following is not rich in protein?
 (A) Potatoes (B) Fish
 (C) Moat (D) Eggs
115. The planets called the inner planets are:
 (A) Jupiter, Saturn, Uranus, Neptune
 (B) Mars, Jupiter, Saturn, Uranus
 (C) Saturn, Uranus, Neptune, Pluto
 (D) Mercury, Venus, Earth, Mars
116. Which of the following is measured on Richtar scale?
 (A) Density of liquids
 (B) Velocity of tornadoes
 (C) Intensity of earthquakes
 (D) Height of mountains
117. In Pakistan the Kharif crop among the following it
 (A) Wheat (B) Sugar cane
 (C) Rice (D) Barley
118. Baht is the currency of which country?
 (A) Cambodia (B) Thailand
 (C) Vietnam (D) Singapore
119. The clear sky looks blue because:
 (A) Reflection of light
 (B) Diffraction of light
 (C) Dispersion of light
 (D) Refraction of light
120. Which Motor Ways are ready to be used as runways in any emergency?
 (A) M1 and M2 (B) M1, M2, M3
 (C) M3 and M4 (D) M2 only
121. Bilafond Glacier claimed by both India & Pakistan and controlled by:
 (A) India
 (B) China
 (C) Pakistan
 (D) Demilitarized zone



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147. In air pollution the amount of oxygen and carbon dioxide _____:

- (A) increases, decreases
- (B) decreases, increases
- (C) increase, increases
- (D) No effect

148. Water covers _____ % of earth's surface.

- (A) 60
- (B) 20
- (C) 70
- (D) 100

149. The restrictive enzymes are used for?

- (A) separating DNA strands
- (B) Making parent DNA
- (C) Making plasmid
- (D) Cutting DNA at specific site

150. As altitude increases the air pressure:

- (A) Increases
- (B) Stays constant at 1 atm
- (C) Decreases
- (D) Is zero

151. Icy celestial bodies revolving around sun are called:

- (A) Comets
- (B) Cosmos
- (C) Meteors
- (D) Asteroids

152. Retina is made up of _____ cells.

- (A) Mechanical
- (B) Sensory
- (C) Motor
- (D) Pigmented

153. Asteroids are _____, which are part of our solar system.

- (A) Icy bodies
- (B) Rocky bodies
- (C) Round bodies
- (D) Liquid bodies

154. To kill bacteria in filtration plants _____ is used.

- (A) fluoride
- (B) chlorine
- (C) butane
- (D) benzene

155. Coagulation is a process which removes _____ from water.

- (A) Bacteria
- (B) Salts
- (C) Dirt
- (D) Carbon dioxide

156. First satellite sent in space by humans is:

- (A) Tiro I
- (B) Explorer I
- (C) Sputnik I
- (D) Telstar I

157. A child playing outside in morning came inside the house to drink water. His pupil size changed. Which part of brain is responsible for it:

- (A) Forebrain
- (B) Cerebellum
- (C) Midbrain
- (D) Hindbrain

158. Acid rain, stone cancer & greenhouse effect are some of the aspects that have been increased with increase in:

- (A) Human population & industrialization
- (B) Cloning
- (C) Chemotherapy
- (D) Hydroponics

159. The organic molecules (non-protein) which bind to enzyme (protein) and serve as a carrier for chemical groups or electrons are:

- (A) Enzymes
- (B) Coenzymes

(C) Polynucleotide (D) Glycerols

160. Freezing point of water is:

- (A) 0 °F
- (B) 100 °C
- (C) 32 °F
- (D) 273 °F

161. Which of following planets is closest to sun:

- (A) Venus
- (B) Mars
- (C) Mercury
- (D) Uranus

162. A capacitor is a device that:

- (A) Stores current
- (B) Stores voltage
- (C) Stores charge
- (D) Stores power

163. Following figure shows the phenomenon of _____ of light.

Diagram

- (A) Rarefaction
- (B) Refraction
- (C) Diffraction
- (D) Dispersion

164. Electric Generator is a device that converts:

- (A) Mechanical energy into electrical
- (B) Thermal energy into electrical
- (C) Chemical energy into electrical
- (D) Heat energy into electrical

165. Boiling point of water is:

- (A) 373 K
- (B) 100 K
- (C) 100 °F
- (D) 212 °C

166. These are good pollinators of flower:

- (A) Fertilizers
- (B) Moths
- (C) Worms
- (D) Grass hoppers

167. White light from sun shine on green leaf. The leaf will look green because _____ the leaf.

- (A) White light is reflected from
- (B) Green light is absorbed by
- (C) Other than green colors are absorbed by
- (D) Other than green colors are reflected by

168. Fuel used for nuclear power plant is:

- (A) Coal
- (B) Uranium
- (C) Gasoline
- (D) Water

169. Penicillin antibiotic is obtained from:

- (A) bacteria
- (B) fungi
- (C) virus
- (D) plasmid

170. If xylem vessels are damaged the leaves won't be able to _____

- (A) Get food
- (B) Deliver food
- (C) Get water
- (D) Deliver water

171. Hussein Ibrahim Taha is the current Secretary General of Organization of Islamic Cooperation and he belongs to:

- (A) Nigeria
- (B) Algeria
- (C) Jordan
- (D) Chad

172. Which Chinese company showed intention to acquire 66.4% shares in K-Electric recently, offering fifth time in 2020 since past three years?

- (A) Shanghai Electric Power Company Limited
(B) China Power Investment Corporation
(C) China Resources Power
(D) China Guodian Corporation
173. On February 11th, 2021 Pakistan conducted a successful training launch of _____ cruise missile.
(A) Nasr (B) Ghaznavi
(C) Babur (D) Abdali
174. Asia Pacific Economic Cooperation (APEC) Headquarters is located in:
(A) Shanghai (B) Singapore
(C) Tokyo (D) Taiwan
175. _____ is the currency of Vietnam.
(A) Vatu (B) Dong
(C) Vanuatu (D) Ringgit
176. Louvre Museum is located in:
(A) France (B) US
(C) UK (D) Italy
177. NASA's Perseverance Rover landed at Mars on:
(A) 21st February 2021
(B) 20th February 2021
(C) 19th February 2021
(D) 18th February 2021
178. Who presented the Pakistan budget 2019-2020 in National Assembly?
(A) Abdul Hafeez Sheikh
(B) Asad Qaiser
(C) Hammad Azhar
(D) Omer Ayub
179. PM Boris Johnson belongs to which Political Party of UK?
(A) Conservative Party
(B) Labour Party
(C) Liberal Democrats
(D) Brexit Party
180. Northern Cyprus is a disputed area between:
(A) Cyprus and Czech Republic
(B) Cyprus and United Kingdom
(C) Cyprus and Greece
(D) Cyprus and Turkey
181. The Runner Up team in Pakistan Super League (PSL-5) 2020 was
(A) Quetta Gladiators
(B) Multan Sultan
(C) Peshawar Zalmi
(D) Lahore Qalandars
182. According to the Economic Survey of Pakistan 2019-20, Agriculture sector grew by:
(A) 2.67% (B) 2.61%
(C) 2.63% (D) 2.66%
183. Saudi Arabia and Allies restored diplomatic ties with Qatar after _____ years.
(A) two (B) one
(C) five (D) three
184. Unit of measurement to measure rain is:
(A) Millimeter or centimeter
(B) Percentage
(C) Milliliter
(D) Degree Celsius
185. When NA passed bill to ban Corporal Punishment in Islamabad?
(A) 23rd February 2021
(B) 22nd February 2021
(C) 24th February 2021
(D) 25th February 2021
186. What is the name of Pakistan Turkish Joint Military Exercise 2021?
(A) ATATURK X (B) ATATURK X1
(C) ABABEEL X1 (D) PAKTURK X1
187. Which department has been established by Prime Minister on June 01, 2020 to combat the locust attack?
(A) National Locust control centre (NLCC)
(B) Department of plant protection
(C) Locust warning Organization (LWO)
(D) National pesticide department for locust control
188. OIC has _____ member countries.
(A) 55 (B) 59
(C) 58 (D) 57
189. The Iran-Pakistan gas pipeline project is also called:
(A) Peace pipeline (B) Friendship star
(C) GoGreen (D) None of the above
190. How many electoral college votes, Donald Trump got in US Elections 2020?
(A) 302 (B) 306
(C) 298 (D) 232
196. Human Rights Day is observed every year on:
(A) 10th November (B) 20th November
(C) 10th December (D) 20th December
197. _____ ambassador was killed in DR Congo in February 2021.
(A) British (B) French
(C) Belgian (D) Italian
198. Citizenship Amendment Act (CAA) - 2019 was passed by the parliament of India on:
(A) 9th December 2019
(B) 11th January 2020
(C) 5th August 2019
(D) 11th December 2019
199. Pakistan Atomic energy commission recently opened its 19th _____ in Gilgit.



VIRTUAL ACADEMY OF PAKISTAN

BY: FAQEER MUHAMMAD BHUTTO /03003435675

ASSISTANT DIRECTOR MOD 2021

ANSWER KEY

1. D	26. A	51. C	76. C	101. D	126. A	151. A	176. A
2. D	27. D	52. A	77. D	102. C	127. C	152. C	177. D
3. D	28. D	53. D	78. C	103. D	128. A	153. B	178. C
4. D	29. C	54. C	79. C	104. B	129. C	154. B	179. A
5. B	30. C	55. B	80. C	105. B	130. A	155. A	180. D
6. A	31. C	56. B	81. A	106. A	131. B	156. C	181. C
7. B	32. C	57. A	82. D	107. B	132. D	157. A	182. A
8. C	33. A	58. B	83. D	108. B	133. A	158. C	183. B
9. B	34. C	59. B	84. D	109. C	134. B	159. B	184. A
10. C	35. A	60. D	85. C	110. C	135. D	160. A	185. C
11. D	36. A	61. C	86. D	111. D	136. B	161. C	186. B
12. C	37. B	62. D	87. D	112. C	137. A	162. C	187. B
13. D	38. B	63. D	88. A	113. C	138. A	163. B	188. D
14. C	39. A	64. C	89. A	114. A	139. C	164. A	189. A
15. B	40. A	65. D	90. C	115. D	140. C	165. C	190. B
16. B	41. D	66. D	91. D	116. C	141. D	166. D	191. B
17. C	42. A	67. C	92. D	117. C	142. D	167. D	192. D
18. C	43. C	68. A	93. A	118. B	143. D	168. B	193. D
19. D	44. B	69. D	94. A	119. A	144. C	169. B	194. A
20. D	45. B	70. C	95. B	120. A	145. D	170. A	195. A
21. C	46. A	71. A	96. C	121. C	146. C	171. D	196. C
22. A	47. A	72. A	97. A	122. B	147. A	172. A	197. D
23. D	48. D	73. A	98. A	123. C	148. C	173. C	198. D
24. D	49. D	74. A	99. B	124. C	149. D	174. B	199. B
25. C	50. D	75. B	100. B	125. D	150. C	175. B	200. A

