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COACHING OF VARIOUS CENTRAL &
STATE LEVEL COMPETITIVE EXAMS

MOCK TEST -9

HAS/HPAS- 11 MARCH 2019
VENUE- RANA ACADEMY SHIMLA

SYLLABUS FOR MOCK TEST-9

**COMPLETE SYLLABUS OF PHYSICAL GEOGRAPHY+ INDIAN
GEOGRAPHY**

RANA ACADEMY

1. consider the following statements

1. subtropical high pressure belt is thermally induced
2. polar high pressure belt is thermally induced
3. doldrums lies between 5 deg N and 5 deg S latitude
4. Coriolis force is zero at poles & maximum at equator

Find the incorrect statement:

- a. 1 only b. 1 & 3 only c. 1 & 4 only d. 1 & 2 only

2. find the incorrect statement

- a. perihelion—3 january, distance between sun & earth is 147 million km.
- b. apohelion—4 june, distance between earth & sun is 152 km
- c. apogee—406000 km distance between earth & moon
- d. perigee—364000 km distance between earth & moon

3. find the incorrect statement

- a. only venus & Uranus rotates anticlockwise
- b. venus has almost same rotation (243 days) & revolution (224.7 days) period
- c. seleology is the study of moon
- d. Jupiter has fastest rotation velocity

4. An oceanic trench formation is possible in which of the following case:

- a. divergent plate boundary
- b. convergent plate boundary
- c. transform plate boundary
- d. none of the above

5. find the incorrect statement

- a. water rises to surface with great explosion in case of hot springs
- b. Iceland has thousands of hot springs

c. world's best known geyser is 'old faithful' in Yellowstone national park Wyoming USA

d. geysers are fountain of hot water that may sprout out like a fountain

6. which of the following statement is incorrect

- a. average salinity of ocean is 35. 2% approx.
- b. rate of evaporation is directly proportional to salinity
- c. equatorial regions have highest salinity
- d. higher the rate of precipitation, lower is the salinity.

7. which is the longest river in asia

- a. Yangtze b. hwango-ho c. indus d. Brahmaputra

8. What will be the probable time of sunrise in Saurashtra, if the time of sunrise in Arunachal Pradesh is 6.00 am?

- a. 6.30 am b. 5.30 am c. 8.00 am d. 7.00 am

9. Match List-I with List-II and select the correct answer using the code given below the List:

List-I (Ocean Current)

List-II

A. Agulhas Current

1. Peru

B. Humboldt Current
Africa

2. South

C. Labrador Current

3. Argentina

D. Falkland Current

4.

Canada

Chose the correct Code:

a. A B C D

3 4 1 2

b. A B C D

2 1 4 3

c. A B C D

3 1 4 2
 d. A B C D
 2 4 1 3

10. Which one of the following is correct descending order (% composition) of permanent gases of Atmosphere?

- a. Argon > Carbon dioxide > Neon > Helium
- b. Carbon dioxide > Argon > Neon > Helium
- c. Carbon dioxide > Argon > Helium > Neon
- d. Argon > Carbon dioxide > Helium > Neon

11. Which one of the following is true about stratosphere?

- 1. Ozone layer is found in stratosphere.
- 2. Aeroplanes fly in stratosphere.

Select the correct options:

- a. 1 only
- b. 2 only
- c. Both
- d. None

12. Earth is nearest to the sun on

- a. 4th July
- b. 23rd Sep
- c. 21st June
- d. 3rd January

13. Which one of the following statement is correct?

- a) West coasts of the continents in tropical and sub-tropical latitudes (Except close to equator) are bordered by warm waters.
- b) The mixing of warm and cold current results in best fishing grounds of world.

Select the correct options:

- a. 1 only
- b. 2 only
- c. Both
- d. None

14. Match List-I with List-II and select the correct answer using the code given below the Lists :

List-I

List-II

(Cloud)
 (Characteristic)

- | | |
|------------|---------------------------|
| A. Cirrus | 1. Rain-giving |
| B. Stratus | 2. Feathery appearance |
| C. Nimbus | 3. Vertically growing |
| D. Cumulus | 4. Horizontally-spreading |

Chose the correct Code :

- a. A B C D
3 1 4 2
- b. A B C D
2 1 4 3
- c. A B C D
2 4 1 3
- d. A B C D
3 4 1 2

15. Which of the following affect salinity of ocean? 1. Density 2. Temperature 3. Precipitation 4. Prevailing wind

Choose the answer from the given code:

- a. Only 2 and 3
- b. Only 1,2 and 3
- c. Only 2,3 and 4
- d. All the above

16. which country has largest coastline in the world?

- a. indonesia
- b. Russia
- c. Canada
- d. brazil

17. Which of the following is not a warm local wind?

- a. Fohn
- b. Chinook
- c. Bora
- d. Sirocco

18. find the incorrect match

- a. Katanga—copper belt
- b. wankee—coal
- c. lumbabashi—diamond & gold
- d. Kimberley—diamond

19. Gibson desert is located in
 a. Australia b. south America
 c. north America d. Africa

20. find the incorrect match
 a. great dividing range—Australia
 b. atlas—Europe
 c. loma mountains—Africa
 d. Apennines, pyrenes—europe

21. find the incorrect match
 a. lake Titicaca—deepest lake
 b. lake superior—largest freshwater lake
 c. Caspian sea lake—largest (saline) lake
 d. lake eyre—largest saline lake of Australia

22. which of the following is not a igneous rock
 a. granite b. gabbro c. pumice d. gneisse

23. find the correct order of salt composition in ocean water (in descending order)
 a. sodium chloride > magnesium chloride > magnesium sulphate > calcium sulphate > potassium sulphate
 b. sodium chloride > magnesium chloride > calcium sulphate > potassium sulphate > magnesium sulphate
 c. sodium chloride > magnesium chloride > magnesium sulphate > potassium sulphate > calcium sulphate
 d. sodium chloride > magnesium chloride > potassium sulphate > magnesium sulphate > calcium sulphate

24. choose the correct option :
 A. oyygen is the highest constituent of Earth's crust
 B. Iron is the highest constituent of Whole earth.
 C. Both A and B are correct

D. Both A and B are incorrect .

25. consider the following statements
 1. absolute humidity = the mass of water vapour in a given mass of air.
 2. specific humidity = the mass of water vapour in a given volume of air
 3. relative humidity = $\frac{\text{absolute-humidity}}{\text{specific-humidity}} \times 100$
 4. 0% relative humidity means, the air is completely saturated
 Find the incorrect statement.

- a. 3 only
- b. 1,3 only
- c. 3, 4 only
- d. All are incorrect

26. Which of the following is not a Young Fold Mountain :

- A. Rockies North America
- B. Andes (South America)
- C. Mt Fujiyama (Africa)
- D. Alps (Europe).

27. Convectional rain, Thundering , lightning , (mainly in equatorial region) are associated with which type of clouds:
 A. Nimbostratus B. Cirrus cloud
 C. Stratocumulus D. Cumulonimbus

28. Highest and lowest point of North America is
 a. Mt. McKinley and death point respectively.
 b. Mt Aconcagua and caspean sea respectively.
 c. Mt Kolusky and Kara Sea respectively.
 d. Vinson Masiff and Red sea respectively.

29. which s the longest river of Europe
 a. Volga b. Rhine c. Thames d. Siene

30. which river is called chinan's sorrow
 a. Hwang ho b. Yangtze c. Xi Jiang d. none

Europa

31. Which of the following affects atmospheric pressure?

- a) Altitude b) Temperature
- c) Earth rotation d) all of the above

32. Consider the following statements and identify the right ones.

- i) Air pressure decreases when air descends.
 - ii) Air pressure at sea level is lower than at the mountain top.
- a. i only b. ii only c. Both d. None

33. Consider the following statements and identify the right ones.

- i) Lower layers of atmosphere have low pressure.
 - ii) Higher layers of atmosphere have high pressure.
- a. i only b. ii only c. Both d. None

34. Which of the following are not called "terrestrial planets" ?

- a. Mercury b. Venus c. Mars d. Jupiter

35. Consider the following statements. Identify the right ones.

I. Stars are celestial bodies that continuously emit light and heat.

II. Sun is also a star.

- a. I only b. II only c. Both d. None

36. Consider the following statements. Identify the right ones.

I. Jupiter is the largest of all the planets.

II. Jupiter's mass is more than the combined mass of all other planets.

III. Ganymede is the satellite of Jupiter.

- a. I only b. II and III only
c. I and III only d. All

37. Which of the following are not dwarf planets?

- a. Ceres b. Haumea c. Makemake d.

38. Find the incorrect statement

- a. Air moves from high pressure to low
- b. Warm air expands and rises up
- c. Cold air contracts and descends
- d. Land breeze blows in day time and sea breeze in night time

39. Find the incorrect match of grasslands

- a. Downs- South Africa b. Steppes- Eurasia
- c. Pustaz- Hungary d. Prairie- USA

40. Which of the following mountain ranges form the longest mountain chain in the world? A. The Rockies of North America

- b. The Andes of South America
- c. The Transantarctic Range
- d. The Great Dividing Range of Australia

41. Tibetan Plateau can be best placed in which among the following categories of Plateaus?

- a. Intermontane Plateau b. Continental Plateau
- c. Volcanic Plateau d. Dissected Plateau

42. The Fluvial Landforms are created by

- a. Air b. Water
- c. Chemicals d. Mechanical forces

43. Which of the following islands is an issue of controversy between UK and Argentina?

- a. Queensland b. Seychelles
- c. Abruca d. Falkland

44. Mount Kilimanjaro is located in which country ?

- a. Ghana b. Kenya c. Tanzania d. Namibia

45. Which among the following would be the longest day in Australia?

- a. June 21 b. September 22
c. December 22 d. March 23

46. Vernal equinox is on :
a. 21 June. b. 21 March.
c. 23 September d. 22 December

47. On the bank of which river, Paris is
located ?
a. Thames b. Volga c. Siene d. Danube

48. Which is the smallest continent ?
a. Africa b. Europe c. Australia d. Antarctica

49. Maoris are inhabitants of which nation
?
a. Australia b. New Zealand c. Hungary
d. Spain

50. Which is called rainforest of ocean ?
a. Coral reef b. Islands c. Seamounts d. Guyots

51. Which waves can pass only through
solids ?
a. Primary waves b. Secondary waves
c. Tertiary waves d. Surface waves.

52. Which waves can bring maximum
destruction during an earthquake ?
a. P waves b. S waves
c. Surface waves d. None

53. Which of the following is known as
"Highway to India"?
a. Kiel canal b. Panama Canal
c. Suez Canal d. Palk Strait

54. Largest Fresh Water Lake is
a. Lake Superior b. Lake Titicaca
c. Lake Baikal d. Chilka Lake

55. Match the following Biosphere
Reserve of India

Biosphere Reserve - States

1. Nokrek A. Sikkim
2. Kanchenjunga B. Arunachal Pradesh
3. Dibru-Saikhowa C. Meghalaya
4. Dihang Dibang D. Assam

Select the correct answer using the codes
given below

- a) 1-C 2-A 3-D 4-B (b) 1-B 2-A 3-C 4-D
(c) 1-D 2-B 3-D 4-A (d) 1-D 2-A 3-B 4-C

56. Radcliff Line is between.
a. India & Pakistan b. Pakistan &
Afghanistan
c. USA & Canada d. France & Germany

57. India is the top producer of which of the
following?
a. Tea & sugar b. Jute and millets c. Rice
d. Wheat

58. The highest peak of Europe is
a. Mt. Elbrus b. Mt. Everest c. Mt.
McKinley d. Mt. Kilimanjaro

59. In which of the following country is
located Port of Santos: known as the
"Coffee Port of the world"?
a. Canada b. USA c. Brazil d. Japan

60. Largest Delta of the world is
a. Arabia b. Sunderban c. Alaska d. Labrador

61. Which of the following is known as the
"Land of Thousand Lakes"?
a. Canada b. Brazil c. Finland d. Iceland

62. Which of the following Strait is
located between Mediterranean Sea &
Atlantic Ocean?
a. Gibraltar b. Florida
c. Malacca Strait d. Dover Strait.

63. Hailey's comet appears after how many years

- a. 55 b. 76 c. 86 d. 56

64. The driest place in the earth is:

- a. Death Valley b. Dead sea
c. Sahara d. Atacama desert

65. Nile river originates from

- a. Andes b. Kilimanjaro
c. Victoria lake d. Lake Titicaca

66. Only landlocked country in South East Asia

- a. Ottawa b. Samarkand
c. Laos d. Taiwan

67. Largest archipelago is

- a. Sri Lanka b. Indonesia c. Maldives
d. Malaysia

68. Which continent has the maximum number of countries

- a. Asia b. Africa c. Europe d. South America

69. Dili is the capital of

- a. East Timor b. Japan
c. Malaysia d. Panama

70. Ottawa is the capital of

- a. Finland b. Denmark c. Canada d. France

71. Largest producer of copper is

- a. Australia b. China c. Peru d. Chile

72. Sirocco is a _____ wind:

- A. Warm B. Cold C. Humid D. NOTA

73. Sahara & Kalahari Desert is located in

- a. Australia b. Asia c. Africa d. South America

74. City of Golden Gate is

- a. Washington DC b. Norway

c. San Francisco d. Rome

75. Smallest Nation Area wise is

- a. Nauru b. Palau
c. Vatican City d. Monaco

76. Which city is located on the bank of river Hudson

- a. Ottawa b. New York
c. Washington DC d. New Delhi

77. Longest Mountain Range of the world

- a. Andes b. Himalayas
c. Pir Panjal d. Dhauladhar

78. Which is the coldest layer of atmosphere.

- a. Stratosphere b. Mesosphere
c. Ionosphere d. Troposphere

79. Most saline sea among the following:

- a. Dead Sea b. South China Sea
c. Red Sea d. Black Sea

80. In China sea cyclones are known as

- a. Twisters b. Willy Willy
c. Typhoons d. Hurricanes

81. Which of the following is known as "Snow Eaters"

- a. Bora b. Mistral
c. Berg d. Chinook

82. Iron & Steel Capital of the world is known as

- a. Pittsburgh b. Detroit
c. Cape Florida d. Cape Kennedy

83. The Andaman and Nicobar Islands are submerged parts of mountain range called:

- a. Arakan Yoma b. Pegu Yoma c. Askaniya
Chin d. Tien Shan

84. Which of the following Indian States/UT has the maximum percentage of mangrove cover in the country ?

- a. Gujarat b. West Bengal c. Andaman and Nicobar d. Orissa

85. which of the following is/are least destructive earth quake waves?

- a) P-waves b) S-waves c) surface waves
d) all of the above

86. Area wise, which among the following is the largest physiographic unit of India?

- a. Himalayan Mountains b. Thar Desert c. Deccan Plateau d. Great Plains of North India

87. which of the following are youngest fold mountains of the world?

- a) Andes b) Rockies c) himalyas d) urals

88. Which of the following is not true regarding Jhum cultivation in India?

- a) It is largely practiced in Assam
b) It is referred to as 'slash and burn' technique
c) In it, the fertility is exhausted in a few years
d) none of these

89. which of the following is not a tributary of river ganga?

- a) kali river b)kosi c) dudhganga d) gandak

90. In which state zojilla pass located?

- a) Himachal Pradesh b) j&k c) Sikkim
d) uttrakhand

91. which of the following is/are not east flowing river?

- a) cauveri b) Sabarmati c) Mahanadi d) Sutlej
a) only d b) a & d c) b & d d) c & d

92. "Nokrek" a UNESCO recognized biosphere reserve of India is in which state?

- a) kerala b) meghalaya c) uttrakhand d) odisha

93. Which of the following is not correctly matched so far as tribes & their respective location is concerned: a) jarawa –andaman b) gujjars-himachal c) murias-MP d) sentinelese-lakshadweep

94. Tropic of Cancer passes through which of the following group of Indian States:

- a. Gujarat, MP, Chattisgarh, Manipur
b. Rajasthan, Jharkhand, West Bengal, Mizoram
c. UP, MP, Bihar, Jharkhand
d. Maharashtra, Chattisgarh, Orissa, Andhra Pradesh

95. which river originate from siachen glacier?

- a) shyok b) suru c) Jhelum d) kishanganga

96. chose the correct sequence of rivers(tributaries of ganga) from west to east:

- a) Ramganga, Gomati, Ghagra, Gandak, Kosi, Mahananda
b) Ramganga, Ghagra, Gomati, Gandak, Kosi, Mahananda
c) Ramganga, Ghagra, Gomati, Kosi, Gandak, Mahananda
d) Ramganga, Gomati, Ghagra, Kosi, Gandak, Mahananda

97. find the incorrect statement regarding 2011 census:

- a) Population density of India is 382 per sq. km
b) Bihar(1106 per sq.km) has maximum population density in India.
c) Adult sex ratio of india 936/1000

d) Punjab has highest %age of SC population vis-à-vis other states

98. find the incorrect match about tiger reserve:

- a) sariska – rajasthan b) palmau-
chhatisgarh c) valmiki-bihar d) simlipal –
odisha

99. find the incorrect statement:

- a) coastal areas experience maritime
climate
b) generally temperature decreases as we
move towards poles from equator
c) winter rains in northern plains are due to
western disturbances originated in
mediterranean sea, which is beneficial for
kharif crops in northern india
d) la-nina conditions bring heavy rainfall
(monsoon) to india

100. The lacustrine deposits of Kashmir
called 'Karewas' are known for :

- a. Saffron Cultivation b. Terrace farming
c. Apple Orchards d. Jhum Cultivation

101. Which of the following mountain
ranges form a dividing line between the
Ganges Plain and the Deccan Plateau?

- a. Aravalli b. Vindhya c. Satpura d. Ajanta

102. find the correct pair:

- a) MCT-between himachal & himadri
b) MBT-between shivalik & himachal
c) HFF-between shivalik & northern plains
d) all are correct

103. find the correct sequence (length of
rivers)

- a) Godaveri > Krishna > Narmada
> Mahanadi > Kaveri > Tapi
b) Godaveri > Krishna > Narmada > Kaveri >
mahandi > tapi
c) Godaveri > Krishna > Narmada > Tapi >
Kaveri > mahanadi

d) Godaveri > Krishna > Mahanadi
> Narmada > kaveri > tapi

104. find the incorrect one

- a) 8 deg channel—between Lakshadweep
& Maldives
b) 9 deg channel—between minicoy &
rest of Lakshadweep
c) 10 deg channel---between Andaman &
nicobar
d) all are correct

105. arrange the following hills from west
to east

- a) aravalis—mahadeo hills--rajmahal hills--
--rangma hills
b) aravalis—mahadeo hills-- ---rangma
hills-- rajmahal hills
c) aravalis— rajmahal hills --mahadeo
hills-- rangma hills
d) aravalis—mahadeo hills-- ---rangma
hills-- rajmahal hills

106. find the incorrect one (passes)

- a) niti pass—UK
b) jelep la--- sikkim
c) bomdi la—arunanchal
d) all are correct

107. find the incorrect pair

- a) humbolt/peru current—cold
b) Labrador---cold
c) kurushio-warm
d) alaska current—cold

108. find the incorrect statement

- a) 30 deg north & south latitude are called
horse latitudes
b) 5 deg north to south latitude is called
doldrum
c) Hadley cell forms between 30 deg to 60
deg in each hemisphere
d) coriolis force is zero at equator

109. find the incorrect statement

- a) Bugiyal grasslands—uttrakhand
himalyas
b) pampas—argentina
c) veldt—south africa
d) prairies—hungary

110. find incorrect pair

- a) vembanad is longest lake of india
b) chilka is largest lake of india
c) asthmudi lake is situated in kerala
d) loktak lake is a saline water lake

111. find the incorrect one

- a) rockies—north america
b) andes—south america
c) applachians--usa
d) alps-australia

112. find the incorrect one

- a) western ghats are higher & continuous
range
b) eastern ghats are lower & discontinuous
due to passing of major peninsular rivers
c) western coastal plains are broader than
eastern coastal plains
d) most of major peninsular river have
their source in western ghat

113. Which one of the following is the
correct descending order of Indian states in
terms of their density of population (as per
2011 census)?

- (a) Bihar –Kerala-Uttar Pradesh – West
Bengal
(b) West Bengal – Bihar- Kerala-Uttar
Pradesh
(c) Bihar-West Bengal-Kerala-Uttar
Pradesh
(d) Kerala-West Bengal -Bihar-Uttar
Pradesh

114. Which one of the following sites does
not have coral reef formation?

- (a) Gulf of Cambay/Khambhat
(b) Gulf of Mannar

- (c) Kakshadweep
(d) Andaman and Nicobar Islands

115. on which Indian river is the Duandhar
falllocated?

- a. Krishna b. narmada c. tapi d. mahi

116. Match the following

1 Ganga P. Bandarpunch range

2 Yamuna Q. Gaumukh

3 Chambal R. Gurla Mandhata Peak

4 Ghaghra S. Mhow

A. 1-P, 2-Q, 3-R, 4-S B. 1-Q, 2-P, 3-S, 4-
R C. 1-Q, 2-P, 3-R, 4-S D. 1-P, 2-Q, 3-S,
4-R

117. Arrange the following wetlands of
Ramsar convention from East to West in
Indian map.

- a) Bhitarkanika – Deepor beel – Bhoj
wetland- Nalsarovar bird sanctuary
b) Nalsarovar bird sanctuary– Bhoj
wetland- Bhitarkanika – Deepor beel
c) Deepor beel- Bhitarkanika – Bhoj
wetland- Nalsarovar bird sanctuary
d) Deepor beel- Bhitarkanika – Nalsarovar
bird sanctuary- Bhoj wetland

118. Arrange the following tributaries of
Ganga from west to east

- a) Ramganga – Yamuna – Gomati-
Ghaghra- Son- Gandak- Kosi
b) Ramganga – Goamti – Yamuna –
Ghaghra- Son – Gandak – Kosi
c) Ramganga – Yamuna- Gomati – Son –
Ghaghra – Gandak – Kosi
c) Rmganga –Yamuna – Gomati- Ghaghra-
Son- Kosi – Gandhak

119. Which of the following is a tribe of
'Great Nicobar'

- a) Sentinelese b) Jarawa
c) Onges d)Shompens

120. arrange the Indian soil in decreasing order (geographical area)

- a. Black – Alluvial – Laterite – Red
- b. Alluvial – Red- laterite- Black
- c. Alluvial- Red -Black-Laterite
- d. Alluvial -Black-Red -Laterite

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