

**WEO (Prelim) – 2015 – Set – 4**

**GA**

**31434**

**: INSTRUCTIONS TO CANDIDATES :**

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1. Read the instructions carefully before using the OMR answer sheet provided.
2. Fill in Part – A of the OMR answer sheet first, mentioning the Roll No. and other data as applicable in the place(s) indicated therein and darken the appropriate circles in blue or black ball point pen only.
3. While darkening the circle in Part – B of the OMR answer sheet, use blue or black ball point pen only. No eraser, fluid or correction will be allowed.
4. Do not write any name/surname or put any symbol, sign, slogan, prayer or any mark of identification in Part – B of the OMR answer sheet. **Any such act is liable to render the answer sheet unfit for evaluation.**
5. Do not use any other form except the OMR answer sheet provided along with the question-set.
6. Do not tamper with the bar code or any other portion of the OMR answer sheet.
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12. Violation of these instructions shall **entail disqualification of the candidate.**
13. There is **negative marking @ 0.25 marks for every wrong answer.**

**SEAL**

# WEO (Prelim) – 2015 – Set – 4

## GA

Time : 1½ Hours

Full Marks : 100

Each question carries 1 mark.

Answer all questions, choosing the correct one from the alternatives suggested and darken the appropriate circle using BLUE or BLACK BALL POINT PEN.

1. At which planet in the Solar System, the value of acceleration due to gravity is the minimum ?
- (1) Jupiter  
(2) Mars  
(3) Mercury  
(4) Saturn  
(5) Venus
2. Which among the following is not an insulator ?
- (1) Ceramic  
(2) Glass  
(3) Graphite  
(4) Porcelain  
(5) Rubber
3. Which of the following instruments is used to measure periodic motion ?
- (1) Electrotachyscope  
(2) Praxinoscope  
(3) Seismometer  
(4) Stroboscope  
(5) Tachometer
4. Which of the following alloys is different from the other four in terms of its content ?
- (1) Bell Metal  
(2) Chinese Silver  
(3) Dutch Metal  
(4) Gliding Metal  
(5) Muntz Metal
5. The atoms having same atomic mass but different atomic number are called :
- (1) Isobars  
(2) Isomers  
(3) Isosters  
(4) Isotones  
(5) Isotopes

6. Which of the following is a case of oxidation ?
- (1) Addition of Hydrogen Atom
  - (2) Decrease in valency of an element
  - (3) Gain of Electrons
  - (4) Removal of Oxygen Atom
  - (5) Removal of an Electropositive Element
7. Which of the following is the main ore of Uranium ?
- (1) Ilmenite
  - (2) Monazite
  - (3) Pitchblende
  - (4) Rutile
  - (5) Thorite
8. Which of the following processes is employed to obtain salt from brine ?
- (1) Crystallisation
  - (2) Decantation
  - (3) Distillation
  - (4) Evaporation
  - (5) Sublimation
9. Which of the following is not a metalloid ?
- (1) Antimony
  - (2) Arsenic
  - (3) Boron
  - (4) Silicon
  - (5) Tin
10. Which of the following Laws is applicable in case of extraction of aluminium from alumina ?
- (1) Avogadro's Law
  - (2) Faraday's Law
  - (3) Gay Lussac's Law
  - (4) Ohm's Law
  - (5) Raoult's Law
11. Which of the following information about "Heavy Water" is not correct ?
- (1) It accelerates the fast moving neutrons
  - (2) It is a colourless, odourless and tasteless liquid
  - (3) It is used in nuclear reactors as a moderator
  - (4) It was discovered by Urey
  - (5) It's chemical name is deuterium oxide
12. Which antibiotic was the first to be discovered ?
- (1) Cephalixin
  - (2) Chloramphenicol
  - (3) Ciprofloxacin
  - (4) Penicillin
  - (5) Streptomycin

13. The total complex of biotic communities occupying and characterising a particular zone is known as :
- (1) Biome
  - (2) Biomass
  - (3) Biosphere
  - (4) Biota
  - (5) Ecotone
14. Which of the following vitamins is also known as Vitamin PP<sub>3</sub> ?
- (1) Vitamin B<sub>1</sub>
  - (2) Vitamin B<sub>2</sub>
  - (3) Vitamin B<sub>3</sub>
  - (4) Vitamin B<sub>5</sub>
  - (5) Vitamin B<sub>6</sub>
15. Which of the following is not a bacterial disease ?
- (1) Anthrax
  - (2) Diptheria
  - (3) Hydrophobia
  - (4) Pertussis
  - (5) Syphilis
16. What type of joint is there between the humerus and ulna ?
- (1) Ball and Socket joint
  - (2) Condyloid joint
  - (3) Hinge joint
  - (4) Pivot joint
  - (5) Saddle joint
17. Who among the following biologists is called the "Founder of Cytogenetics" ?
- (1) Flemming
  - (2) Harvey
  - (3) Hooke
  - (4) Hopkins
  - (5) Waldeyer
18. Which of the following carbohydrates is not a polysaccharide ?
- (1) Cellulose
  - (2) Chitin
  - (3) Fructose
  - (4) Glycogen
  - (5) Starch
19. Which of the following cell organelles is called "The Suicidal Bags" ?
- (1) Centrosome
  - (2) Chromosomes
  - (3) Cytoplasm
  - (4) Lysosomes
  - (5) Ribosomes
20. The spines in cacti are modifications of:
- (1) Fruit
  - (2) Leaf
  - (3) Petiole
  - (4) Root
  - (5) Stem

21. Seafood is an excellent source of :

- (1) Carbohydrates
- (2) Fats
- (3) Proteins
- (4) Spices
- (5) Vitamins

22. What type of unemployment is mostly noticed in the rural agricultural sector in India ?

- (1) Disguised
- (2) Frictional
- (3) Infrastructural
- (4) Institutional
- (5) Technological

23. Which district in Odisha has recorded the lowest population growth rate during 2001-2011 ?

- (1) Bargarh
- (2) Gajapati
- (3) Kendrapara
- (4) Nayagarh
- (5) Jagatsinghpur

24. The slogan of which Five-Year Plan in India is "Faster, More Inclusive and Sustainable Growth" ?

- (1) Eighth
- (2) Ninth
- (3) Tenth
- (4) Eleventh
- (5) Twelfth

25. Which sector does contribute maximum to GDP in India ?

- (1) Agriculture
- (2) Construction
- (3) Manufacturing
- (4) Mining
- (5) Public Administration

26. Which of the following states has the highest percentage of people below poverty line, during 2010-11, based on MRP consumption, as per the latest Reserve Bank of India publication dated the 16<sup>th</sup> September, 2015 ?

- (1) Arunachal Pradesh
- (2) Bihar
- (3) Chhattisgarh
- (4) Jharkhand
- (5) Manipur

27. Which is currently the largest Fund-House in India in terms of the Assets under Management (AUM) ?

- (1) Axis Mutual Fund
- (2) ICICI Prudential Mutual Fund
- (3) Kotak Mahindra Mutual Fund
- (4) Reliance Mutual Fund
- (5) SBI Mutual Fund

Handwritten note: Highest is HDFC mutual fund

28. When there is steady rise in the general price level and income, output and employment, then the economy is said to be undergoing :
- (1) Boom
  - (2) Depression ✗
  - (3) Recession
  - (4) Recovery ✓
  - (5) Stagnation
29. Which one of the following companies in India is not a "Maharatna" company ?
- (1) Bharat Heavy Electricals Ltd. ✓
  - (2) National Aluminium Company Ltd. ✗
  - (3) National Thermal Power Corporation Ltd.
  - (4) Oil and Natural Gas Corporation Ltd. ✗
  - (5) Steel Authority of India Ltd. ✓
30. Which of the following items has been given the highest weightage for computing the revised Wholesale Price Index with effect from 2010 ?
- (1) Beverages
  - (2) Food items
  - (3) Fuel
  - (4) Manufactured goods
  - (5) Primary articles.
31. Which of the following is known as the 'soft loan window' of the World Bank ?
- (1) International Bank for Reconstruction and Development
  - (2) International Centre for Settlement of Investment Disputes
  - (3) International Development Association
  - (4) International Finance Corporation
  - (5) Multilateral Investment Guarantee Agency
32. Which one of the following distributaries of the Mahanadi drainage system becomes a tributary of another river system ?
- (1) The Birupa
  - (2) The Chitrotpala
  - (3) The Daya
  - (4) The Genguti
  - (5) The Paika
33. Distinguish the place in Odisha in terms of summer heat.
- (1) Bolangir
  - (2) Phulbani
  - (3) Talcher ✓
  - (4) Sonepur
  - (5) Titilagarh ✗

34. Which of the following factories in Odisha has now become defunct ?
- (1) Belpahar Refractory
  - (2) Brajaraj Nagar Paper Mill
  - (3) L & T Kansbahal Works
  - (4) Rajgangpur Cement Plant
  - (5) Vedanta Aluminium, Jharsuguda
35. The elevation of which of the following dams in Odisha is the Highest ?
- (1) Balimela Dam
  - (2) Hirakud Dam
  - (3) Kapur Dam
  - (4) Podagada Dam
  - (5) Rengali Dam
36. Which City in India is notable for its roof-top rain water harvesting practices ?
- (1) Ahmadabad
  - (2) Coimbatore
  - (3) Hyderabad
  - (4) Jeypur
  - (5) Shillong
- \*37. The local time of which of the following places in India is in advance of the local times of the other four places ?
- (1) Bangalore
  - (2) Bhubaneswar
  - (3) Delhi
  - (4) Hyderabad
  - (5) Trivandrum
38. In the production of which of the following oilseeds does Gujarat occupy the most prominent position in India ?
- (1) Castor
  - (2) Linseed
  - (3) Mustard
  - (4) Rapeseed
  - (5) Sunflower
39. Four of the following iron ore mines belong to a single iron ore belt. Find the other one :
- (1) Badbil
  - (2) Gua
  - (3) Kiriburu
  - (4) Noamundi
  - (5) Ratnagiri
40. What is the general direction of wind along the west coast of India during the summer season ?
- (1) Easternly
  - (2) Westernly
  - (3) Northernly
  - (4) North-Easternly
  - (5) North-Westernly.

41. Which of the following is not a continental desert ?
- (1) The Central Asian
  - (2) The Gobi
  - (3) The Kalahari
  - (4) The Patagonia
  - (5) The Sonoran
42. The following are the local names of soils in India. Find the odd one out.
- (1) Chopan
  - (2) Kallar
  - (3) Kari
  - (4) Reh
  - (5) Usar
43. Which of the following mountain ranges is an integral part of the main Himalayas ?
- (1) The Karakoram
  - (2) The Kailash
  - (3) The Ladakh
  - (4) The Pir Panjal
  - (5) The Zaskar
44. Which of the following is a prominent gorge in India ?
- (1) Amarkantak
  - (2) Dihang
  - (3) Mikir
  - (4) Rohtang
  - (5) Palghat
45. Which of the following hill stations in North-East India is popularly known as the "Valley of Flowers" ?
- (1) Haflong
  - (2) Pelling
  - (3) Tawang
  - (4) Yuksom
  - (5) Yumthang
46. Which of the following epochs in the geological history of the Earth witnessed large scale glaciations ?
- (1) Eocene
  - (2) Miocene
  - (3) Oligocene
  - (4) Pleistocene
  - (5) Pliocene
47. Which of the following civilisations is credited for having invented bricks and wind mill ?
- (1) Chinese Civilisation
  - (2) Egyptian Civilisation
  - (3) Greek Civilisation
  - (4) Persian Civilisation
  - (5) Roman Civilisation



48. Which of the following contains various ancillary works of Vedic literature that mainly deal with rituals and elaborations of texts chronologically prior to them ?
- (1) Aranyakas
  - (2) Brahmanas
  - (3) Parisista
  - (4) Samhitas
  - (5) Sutras
49. Which of the following shrines is different from the other four ?
- (1) Dhamekh
  - (2) Dilwara
  - (3) Gomateswar
  - (4) Palitana
  - (5) Ranakpur
50. The Capital of which "Mahajanapada" was Champanagari ?
- (1) Anga
  - (2) Gandhara
  - (3) Kamboj
  - (4) Malla
  - (5) Surasen
51. Which of the following literary works of the Gupta period is the contribution of a different author than the other four ?
- (1) Meghadutam
  - (2) Kumarsambhavam
  - (3) Mrichchakatikam
  - (4) Ritusamhara
  - (5) Raghuvansha
52. Who had founded the Vikramsila University ?
- (1) Devapala
  - (2) Dharmapala
  - (3) Gopala
  - (4) Jaipala
  - (5) Mahipala
53. Which Guru transformed the Sikhs to a militant community ?
- (1) Guru Arjun Dev
  - (2) Guru Har Govind
  - (3) Guru Har Kishan
  - (4) Guru Har Rai
  - (5) Guru Tegh Bahadur
54. What was the designation of the officer in charge of personal safety of the king during Shivaji's regime ?
- (1) Majumdar
  - (2) Peshwa
  - (3) Senapati
  - (4) Surunavis
  - (5) Waqianavis

55. Which of the following establishments in India was established by a different European colonialist than the other four ?
- (1) Chinsura
  - (2) Karaikal
  - (3) Nagapattinam
  - (4) Pulicat
  - (5) Tranquebar
56. Which of the following treaties gave exclusive 'Diwani' rights to the British ?
- (1) Treaty of Alinagar
  - (2) Treaty of Allahabad
  - (3) Treaty of Purandar
  - (4) Treaty of Salbai
  - (5) Treaty of Wadgaon
57. What is the correct chronological sequence of the Governor Generals of British India given within the brackets ?  
(I – Lord Auckland ; II – Lord Dalhousie ; III – Lord Ellenborough ; IV – Lord Hardinge I)
- (1) I; II; III; IV
  - (2) I; III; II; IV
  - (3) I; III; IV; II
  - (4) II; I; IV; III
  - (5) II; IV; III; I
58. In which year was the "Sarada Act" passed ?
- (1) 1928
  - (2) 1929
  - (3) 1930
  - (4) 1931
  - (5) 1932
59. In which conspiracy case did Muzaffar Ahmed receive "Transportation for Life" ?
- (1) Alipur Conspiracy Case
  - (2) Delhi Conspiracy Case
  - (3) Kakori Conspiracy Case
  - (4) Lahore Conspiracy Case
  - (5) Meerut Conspiracy Case
60. Which of following international wars was fought without the involvement of United States ?
- (1) Falkland War
  - (2) Gulf War I
  - (3) Gulf War II
  - (4) Korean War
  - (5) Vietnam War

61. From which of the following countries has the Indian Constitution borrowed the "Method of election of the President ?
- (1) Australia
  - (2) Canada
  - (3) Germany
  - (4) Ireland
  - (5) United States
62. Why did India opt for a federal form of Government ?
- (1) Due to its linguistic and regional diversity
  - (2) Due to its religious diversity
  - (3) Due to its vast territory
  - (4) For administrative convenience
  - (5) To ensure cultural intergration
63. Which of the following articles of the Indian Constitution has been repealed ?
- (1) Article 30
  - (2) Article 31
  - (3) Article 32
  - (4) Article 33
  - (5) Article 34
64. Which Constitutional Amendment Act in India does give effect to transfer of territories between India and Bangladesh in pursuance of the agreement between the two nations ?
- (1) Ninety-sixth
  - (2) Ninety-seventh
  - (3) Ninety-eighth
  - (4) Ninety-ninth
  - (5) One hundredth
65. Which of the following rights stands automatically suspended when the President of India proclaims National Emergency under Article 352 ?
- (1) All Fundamental Rights
  - (2) None of the Fundamental Rights
  - (3) Right to Constitutional Remedies
  - (4) Right to Equality
  - (5) Right to Freedom
66. Which of the following Chief Justices of India had served as the Acting President of India ?
- (1) K.N. Wanchoo
  - (2) M. Hidayatullah
  - (3) P. B. Gajendra Gadkar
  - (4) P. N. Bhagawati
  - (5) Y. V. Chandrachud

67. Which type of question put in the Parliament requires an oral answer from the Minister on the floor of the House ?

- (1) Short Notice Question
- (2) Starred Question
- (3) Un-starred Question
- (4) The Question to a Private Member
- (5) All of the above

68. Which of the following is not a power of the High Court ?

- (1) Appointment of District Judges under its Jurisdiction
- (2) Issue of writs for the enforcement of fundamental Rights
- (3) Jurisdiction over revenue matters
- (4) Supervision of all Courts under its jurisdiction
- (5) Supervision of Tribunals constituted by law relating to armed forces

69. Four of the following subjects have been transferred from the State List to the Concurrent List by the 42<sup>nd</sup>

amendment of the Constitution. Identify the other one.

- (1) Education
- (2) Forests
- (3) Protection of Wild Animals and Birds
- (4) Public Health and Sanitation
- (5) Weights and Measures

70. The levying of which one of the following taxes is outside the jurisdiction of a Municipal Corporation ?

- (1) Entertainment Tax
- (2) Octroi Tax
- (3) Profession Tax
- (4) Property Tax
- (5) Tax on Advertisement

71. Who among the following has been the recipient of the prestigious Nobel Prize for the year 2015 for discoveries concerning a novel therapy against Malaria ?

- (1) Paul Modrich
- (2) Satoshi Omura
- (3) Tomas Lindhal
- (4) Youyou Tu
- (5) William C. Campbell

72. Which one of the following Legislative Assembly elections has been scheduled to have two-phase voting during April-May, 2016 ?
- (1) Assam
  - (2) Kerala
  - (3) Puducherry
  - (4) Tamil Nadu
  - (5) West Bengal
73. Which of the following exhibitions / conferences has been scheduled to be held during 11<sup>th</sup> - 13<sup>th</sup> May, 2016 at Pragati Maidan, New Delhi ?
- (1) 25<sup>th</sup> Convergence India 2017
  - (2) 57<sup>th</sup> India International Garment Fair
  - (3) Power-Gen India and Central Asia
  - (4) Renewable Energy World India
  - (5) Smart Cities India 2016 Expo
74. Which of the following information about India's GPS venture is not correct ?
- (1) India enters into Global GPS Club
  - (2) It will have a global coverage
  - (3) It's operational name is NAVIC
  - (4) The first IRNSS satellite was launched on 01. 07. 2013
  - (5) The last IRNSS satellite was launched on 28. 04. 2013
75. For which of the following games has Dipa Karmakar from India qualified for the 2016 Rio Olympics ?
- (1) Archery
  - (2) Gymnastics
  - (3) Rifle Shooting
  - (4) Swimming
  - (5) Wrestling
76. To which of the following teams did India lose in the league matches during the recently concluded Sultan Azlan Shah Cup Hockey Tournament being played in Malaysia in April, 2016 ?
- (1) Canada
  - (2) Japan
  - (3) Malaysia
  - (4) New Zealand
  - (5) Pakistan
77. Which of the following league matches in the current IPL series in April, 2016 witnessed a thrilling last ball win ?
- (1) Delhi Daredevils Vs. Kings XI Punjab
  - (2) Gujarat Lions Vs. Mumbai Indians
  - (3) Gujarat Lions Vs. Rising Pune Supergiants
  - (4) Mumbai Indians Vs. Royal Challengers Bangalore
  - (5) Kolkata Knight Riders Vs. Kings XI Punjab

78. Who has become the winner in **World Grand Prix Snooker Tournament** in March, 2016 held at Llandudno, Wales ?

- (1) Allister Carter
- (2) Judd Trump
- (3) Mark Allen
- (4) Mark Selby
- (5) Shaun Murphy

79. Which country has witnessed maximum casualty due to earthquakes in April, 2016 ?

- (1) Ecuador
- (2) Guatemala
- (3) Japan
- (4) Myanmar
- (5) Vanuatu

80. In which of the following films released in April, 2016 Sunny Leone has played a lead role ?

- (1) Fan
- (2) Ki & Ka
- (3) Love Games
- (4) One Night Stand
- (5) The Blueberry Hunt

81. Who among the following Indian personalities does not figure within

the list of the most influential persons published by the **Time Magazine** in April, 2016 ?

- (1) Actress → Ms. Priyanka Chopra
- (2) Google CEO – Sri Sundar Pichai
- (3) Prime Minister – Sri Narendra Modi
- (4) RBI Governor – Sri Raghuram Rajan
- (5) Tennis Star – Ms. Sania Mirza

82. 22<sup>nd</sup> April is observed as :

- (1) International Day of Sports for Development and Peace
- (2) International Day of Human Space Flight
- (3) International Mother Earth Day
- (4) World Health Day
- (5) World Malaria Day

83. Who was the famous artist with whom Prime Minister Narendra Modi collaborated for the painting "Om Namoh Shivay" in January, 2015 ?

- (1) Manjit Bawa
- (2) Neeraj Gupta
- (3) Samir Mandal
- (4) Satish Gujral
- (5) Satish Gupta

84. Who among the following "Padma" awardees of Odisha has been conferred with "Padma Vibhushan" ?

- (1) Jatin Das
- (2) Jogesh C. Pati
- (3) Ramakanta Panda
- (4) Ramakanta Rath
- (5) Sitakanta Mohapatra

85. Who among the following had been both the Prime Minister and Chief Minister of Orissa State ?

- (1) Shri Biswanath Das
- (2) Shri Krushna Chandra Gajapati Narayan Deo
- (3) Shri Nabakrushna Choudhury
- (4) Shri Rajendra Narayan Singhdeo
- (5) Shri Sadasiba Tripathy

86. Who among the following writers has been a distinguished playwright ?

- (1) Amitabh Ghosh
- (2) Anurag Mathur
- (3) R. K. Narayan
- (4) Sasthi Brata
- (5) Vijay Tendulkar

87. Who among the following famous musicians of India has been best

known for fusing Western and Eastern Musical Styles ?

- (1) Anand Shankar
- (2) Bhimsen Joshi
- (3) Hariprasad Chourasia
- (4) Shiv Kumar Sharma
- (5) Zakir Hussain

88. Which of the following is a famous dance form of Kandhas in Odisha ?

- (1) Baagh Naach
- (2) Dalkhai Naach
- (3) Dhap Dance
- (4) Karma Naach
- (5) Nacni Dance

89. Which religion is most widely practised in South East Asia ?

- (1) Buddhism
- (2) Christianity
- (3) Hinduism
- (4) Islam
- (5) Shenism

90. The deity, "Mallikarjuna Swamy" is worshiped in the temple at :

- (1) Akshardham
- (2) Madurai
- (3) Palani
- (4) Shri Sailam
- (5) Tirupati

91. Which of the following personalities had the longest tenure as the Chief Minister of an Indian State ?

- (1) Dr. Bidhan Chandra Roy
- (2) Shri Gopinath Bardoloi
- (3) Shri Jyoti Basu
- (4) Shri Navin Patnaik
- (5) Shri Pawan Kumar Chamling

92. What is the name of the cultural folk-festival of Rayagada ?

- (1) Chaiti
- (2) Dulduli
- (3) Ghumura
- (4) Mandei
- (5) Parab

93. Which of the following U.N. agencies/organisations has its headquarters in a place different from the other four ?

- (1) International Labour Organisation
- (2) International Telecommunication Union
- (3) Food and Agriculture Organisation
- (4) World Health Organisation
- (5) World Meteorological Organisation

94. Which of the following pairs of countries and their currencies is not correctly matched ?

- (1) Kampuchea - Riel
- (2) Myanmar - Ringgit
- (3) Philippines - Peso
- (4) Thailand - Baht
- (5) Vietnam - Dong

95. Which of the following districts in Odisha has the highest percentage of scheduled tribe population to the total population ?

- (1) Kandhamal
- (2) Malkangiri
- (3) Mayurbhanj
- (4) Nabarangpur
- (5) Rayagada

96. Which of the following National Parks in India can be differentiated from the other four on the basis of the dominant wild animal under conservation ?

- (1) Bandipur
- (2) Mudumalai
- (3) Nagarhole
- (4) Periyar
- (5) Waynad



97. The unit measurement of which two is the same ?

- (1) Force and Energy
- (2) Force and Power
- (3) Energy and Power
- (4) Energy and Work
- (5) Power and Work

98. What is the angle at which an object can be thrown to reach maximum distance ?

- (1)  $60^\circ$
- (2)  $90^\circ$
- (3)  $105^\circ$
- (4)  $135^\circ$
- (5)  $165^\circ$

99. Which of the following temperature scales is not referred to or typeset as a degree ?

- (1) Celsius
- (2) Fahrenheit
- (3) Kelvin
- (4) Rankine
- (5) Reaumur

100. It is hotter on a cloudy night than on a clear night because the clouds :

- (1) Absorb all solar radiation falling on it
- (2) Enhance the scattering of solar radiation
- (3) Prevent terrestrial radiation to escape
- (4) Release the latent heat of condensation
- (5) Stimulate the release of sensible heat

