

Q1. Which lamp has the highest energy efficiency ?

- (a) Incandescent Lamp
- (b) LED Lamp
- (c) CFL
- (d) Arc Lamp

Q2. Yellow light is a combination of \_\_\_\_\_ primary colors.

- (a) Blue, Green
- (c) Red, Green
- (b) Red, Blue
- (d) Red, Blue and Green

Q3. Diverging lens produces \_\_\_\_\_ type of images.

- (a) small virtual image
- (c) small real image
- (b) big real image
- (d) big virtual image

Q4. The process used to produce Ammonia is :

- (a) Contact process
- (b) Haber process
- (c) Chlor - alkali process
- (d) Creighton process

Q5. The non - metal which exists in liquid state at room temperature is :

- (a) Mercury
- (b) Sodium
- (c) Potassium
- (d) Bromine

Q6. 2007 Nobel prize for Chemistry was awarded to -

- (a) Gerhard Ertl
- (b) Dan Shechtman
- (c) Richard Fred Heck
- (d) Venkatraman Ramakrishnan

Q7. The 5th state of matter is :

- (a) Plasma
- (c) Bose - Einstein condensate
- (b) Magma
- (d) Fermionic condensate

Q8. Speed of Blue color light in vacuum is :

- (a)  $> 3 \times 10^8$  m/s
- (b)  $= 3 \times 10^8$  m/s
- (c)  $< 3 \times 10^8$  m/s
- (d) 300 m/s

Q9. Which fuel has the highest Calorific Value ?

- (a) Bio - Gas
- (b) Methane
- (c) Petrol
- (d) Hydrogen

Q10. In which direction does rainbow appear in the morning ?

- (a) North
- (b) South
- (c) East
- (d) West

Q11. The Chief Minister of Uttarakhand is -

- (a) Manohar parrikar
- (c) B. C. Khanduri
- (b) Vijay Bahuguna
- (d) Arjun Munda

Q12. Who is the President of France ?

- (a) Nicolas Sarkozy
- (c) Francois Hollande
- (b) Jacques Chirac
- (d) Joachim Gauck

Q13. The Booker Prize winner of 2012 is \_\_\_\_\_ .

- (a) Jeet Thayil
- (b) Hilary Mantel
- (c) Julian Barnes
- (d) Mo Yan

Q14. ICC T20 World Cup winner of 2012 is \_\_\_\_\_ .

- (a) Sri Lanka
- (b) Australia
- (c) India
- (d) West Indies

Q15. Who won the women's 100 meter Gold in 2012 London Olympics :

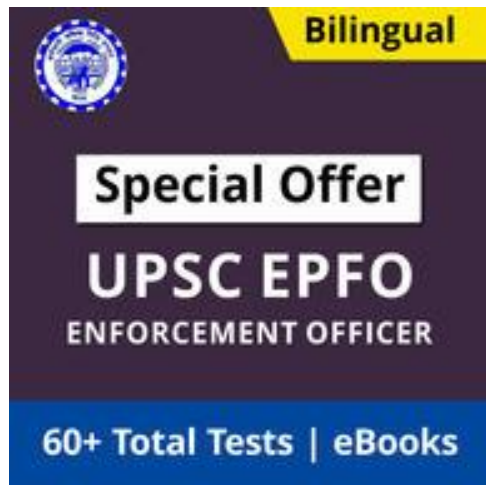
- (a) Shelly - Ann Fraser - Pryce
- (b) Carmelita Jeter
- (c) Christine Ohuruogo
- (d) Felix Sanchez

Q16. The 59<sup>th</sup> National Film Award for Best Director was won by :

- (a) Gurvinder Singh
- (b) Salim Ahamed
- (c) Suveeran
- (d) Vetrimaan

Q17. God's particle is the pseudonym of \_\_\_\_\_.

- (a) Large Hadron Collider
- (c) Leptons
- (b) Quarks
- (d) Higgs Boson



Q18. Which rocket was launched by ISRO during its 100<sup>th</sup> mission?

- (a) ASLV - C21
- (b) GSLV - C21
- (c) PSLV - C21
- (d) INSAT - C21

Q19. The 2012 Nobel Peace Prize was awarded to \_\_\_\_\_.

- (a) Liu Xiaobo
- (b) European Union
- (c) Barack Obama
- (d) Inter governmental Panel on climate change

Q20. The Minister for Cooperation in Kerala is :

- (a) C. N. Balakrishnan
- (b) K. Babu
- (c) Adoor Prakash
- (d) V. K. Ebrahim Kunju

Q21. India is called a tropical country mainly on account of its :

- (a) Latitudinal Extent
- (b) Longitudinal Extent
- (c) Areal Size
- (d) Tropical Monsoon Climate

Q22. The marshy and forested land in northern part of Uttar Pradesh is :

- (a) Khadar
- (b) Bangar
- (c) Terai
- (d) Siwaliks

Q23. Which river is called a river between the two mountains ?

- (a) Narmada
- (b) Ganga
- (c) Godhavari
- (d) Sutlej

Q24. Which state is called the agricultural epitome of India ?

- (a) West Bengal
- (b) Uttar Pradesh
- (c) Tamil Nadu
- (d) Madhya Pradesh

Q25. Which region of India has a larger female population than the male population ?

- (a) West Bengal
- (b) Mizoram
- (c) Nagaland
- (d) Puducherry

Q26. Who was the first propounder of the doctrine of 'Passive Resistance' ?

- (a) B. G. Thilak
- (b) Aurobindo Ghosh
- (c) G. K. Gokhalae

(d) M. K. Gandhi

Q27. In which Five Year Plan University Grants Commission was set up for promoting and strengthening higher education :

- (a) First Five Year Plan
- (b) Third Five Year Plan
- (c) Fifth Five Year Plan
- (d) Eleventh Five Year Plan

Q28. Who is known as the father of Renaissance of Western India ?

- (a) B. M. Malabari
- (b) M. G. Ranade
- (c) R. G. Bhandarkar
- (d) K. T. Telang

Q29. The Longest river in Peninsular India :

- (a) Godavari
- (b) Krishna
- (c) Kaveri
- (d) Mahanadi

Q30. The largest producer of rice in India :

- (a) Kerala
- (b) Andhra Pradesh
- (c) Tamil Nadu
- (d) Gujarat

Q31. The national animal of Kerala :

- (a) Tiger
- (b) Elephant
- (c) Leopard
- (d) Deer

Q32. The southern most river in Kerala :

- (a) Kallada
- (b) Karamanayar
- (c) Ithikkara
- (d) Neyyar

Q33. The largest National Park in Kerala :

- (a) Eravikulam
- (b) Silent Valley
- (c) Pambadum chola
- (d) Mathikettan chola

Q34. The First dam in Kerala :

- (a) Malampuzha
- (b) Mullapperiyar
- (c) Sabarigiri
- (d) Peechi

Q35. The most populated district in Kerala as per 2001 census :

- (a) Thiruvananthapuram
- (b) Ernakulam
- (c) Malappuram
- (d) Thrissur

Q36. Chattampi Swamikal was born in the year :

- (a) 1851
- (b) 1853
- (c) 1854
- (d) 1856

Q37. The 'Savarna Jatha', to support the Vaikom Satyagraha was organised by :

- (a) Mannath Padmanabhan
- (b) T. K. Madhavan
- (c) K. Kelappan
- (d) Dr. Palpu

Q38. 'Vivekodayam' magazine was published by :

- (a) Ramakrishna Pillai
- (b) Pandit Karuppan
- (c) V. T. Bhattathirippad
- (d) Kumaranasan

Q39. 'Atma Vidhya Sangam' was founded by :

- (a) Ayyan Kali
- (b) Thycaud Ayya
- (c) Vagbhatananda
- (d) Sahodaran Ayyappan

Q40. In Travancore, The Temple Entry Proclamation was made in :

- (a) 1931
- (b) 1936
- (c) 1938
- (d) 1940

Q41. The constitution describes India as a \_\_\_\_\_ .

- (a) Federal State
- (b) Quasi - Federal State
- (c) Unitary State
- (d) Union of States

Q42. The authority/body competent to determine the conditions of citizenship in India:

- (a) The President
- (b) The Parliament
- (c) The Union Cabinet
- (d) The Supreme Court

Q43. From which Constitution India borrowed the idea of Directive Principles of State Policy?

- (a) Constitution of the U. K.
- (b) Constitution of the U. S. A.
- (c) Constitution of Ireland
- (d) Constitution of Canada

Q44. Who was the Chairman of the Constituent Assembly of India ?

- (a) Dr. B. R. Ambedkar
- (b) Dr. B. N. Rao
- (c) Dr. Rajendra Prasad
- (d) Jawaharlal Nehru

Q45. Power of the judiciary to declare a law invalid on constitutional ground is called :

- (a) Judicial Activism
- (b) Judicial Review
- (c) Judicial Supremacy
- (d) Judicial Absolutism

Q46. Status of Union Public Service Commission is \_\_\_\_\_ .

- (a) Legal
- (b) Administrative
- (c) Advisory
- (d) Constitutional

Q47. Chairman of the National Human Rights Commission is appointed by \_\_\_\_\_ .

- (a) The President

- (b) The Prime Minister
- (c) The Chief Justice of India
- (d) The Speaker of Lok Sabha

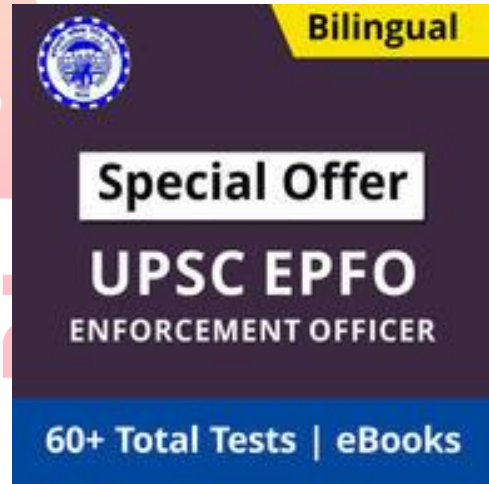
Q48. Money Bill of the Union Government is first introduced in :

- (a) Rajyasabha
- (b) Lok Sabha
- (c) Either in Rajyasabha or Lok Sabha
- (d) In the joint sitting of Rajyasabha and Lok Sabha

Q49. Which Amendment Act incorporated the Right to Education into the list of Fundamental

Rights in India ?

- (a) 67<sup>th</sup> Amendment Act, 1990
- (b) 68<sup>th</sup> Amendment Act, 1991
- (c) 76<sup>th</sup> Amendment Act, 1994
- (d) 86<sup>th</sup> Amendment Act, 2002



Q50. First Chairperson of the National Commission for Women :

- (a) Jayanti Patnaik
- (b) Dr. V. Mohini Giri
- (c) Dr. Poornima Advani
- (d) Mamta Sharma

Q51. He stayed at home yesterday because he \_\_\_\_\_ a bad cold.

- (a) was
- (b) have
- (c) has
- (d) had

Q52. Look me \_\_\_\_\_ when you are in India next year.

- (a) down
- (b) up
- (c) in
- (d) over

Q53. I am extremely sorry I can't talk to you now, I am \_\_\_\_\_.

- (a) behind the time
- (b) without time
- (c) pressed for time
- (d) lost in time

Q54. Hundred rupees \_\_\_\_\_ enough for the taxi fare.

- (a) is
- (b) are
- (c) has
- (d) have

Directions : - In which part of the sentences (55 and 56) is the mistake.

Q55. He has delivered a best speech on the topic

- (a) (b) (c)
- (d)

Q56. I received a check for one lakh rupees as advance for my book

- (a) (b)
- (c) (d)

Q57. What is the passive voice form of: This shop sells non-fiction books.

- (a) Nonfiction books is sold in this shop.
- (b) Nonfiction books was sold in this shop.
- (c) Nonfiction books are sold in this shop.
- (d) Nonfiction books were sold in this shop.

Q58. Report : "Is your book on shakespeare", he asked her.

- (a) He asked her if your book is on Shakespeare.

(b) He asked her if her book was on Shakespeare.

(c) He asked her if her book were on Shakespeare.

(d) He told her if her book is on Shakespeare.

Q59. Chocolate cake contains a \_\_\_\_\_ amount of calorie.

- (a) high
- (b) numerous
- (c) big
- (d) large

Q60. Within a short period of time, he reached the \_\_\_\_\_ of his career.

- (a) pinnacle
- (b) climax
- (c) acme
- (d) optimum

**61 to 70 is missing**

Q71. When a key is pressed on the key board, which standard is used for converting the keystroke into corresponding bits ?

- (a) ANSI
- (b) EBCDIC
- (c) ASCII
- (d) ISO

Q72. Software, such as Explorer and Firefox, are referred to as \_\_\_\_\_.

- (a) Systems software
- (b) Utility software
- (c) Browsers
- (d) Internet tools

Q73. Which of the following is not an output device ?

- (a) Plotter
- (b) Scanner
- (c) Flat Screen
- (d) Touch Screen

Q74. Which technology is used in Compact disks ?

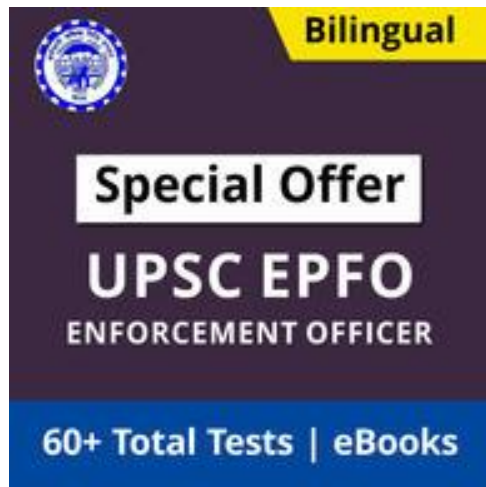
- (a) Electrical
- (b) Mechanical
- (c) Electromagnetic
- (d) Laser

Q75. The programs which are as permanent as hardware and stored in ROM is known as :

- (a) Software
- (b) Firmware
- (c) Algorithm
- (d) ROM ware

Q76. Which access method is used for obtaining a record from a cassette tape ?

- (a) Sequential
- (b) Direct
- (c) Random
- (d) None of these



Q77. ASCII stands for :

- (a) American Security Code for Information Interchange
- (b) American Standard Code for Information Interchange
- (c) American Scientific Code for Interchanging Information
- (d) American Standard Code for Interchanging Information

Q78. Which of the following identifies a specific web page and its computer on the Web ?

- (a) Web site

- (b) Web site address
- (c) URL
- (d) Domain Name

Q79. An Optical input device that interprets pencil marks on paper media is :

- (a) O. M. R.
- (b) Punch Card Reader
- (c) Optical Scanners
- (d) Magnetic Tape

Q80. Information Technology Act was enacted on \_\_\_\_\_ .

- (a) 19 January 2001
- (b) 30 June 2001
- (c) 9 June 2000
- (d) 15 July 1999

Q81. Which of the following numbers is divisible by 24 ?

- (a) 15824
- (b) 14824
- (c) 13824
- (d) 12824

Q82. If  $\frac{a}{4} = \frac{b}{5} = \frac{c}{7}$ , then  $\frac{a+b+c}{a} =$

- (a) 4
- (b) 5
- (c) 7
- (d) 16

Q83. A student multiplied a number by  $\frac{4}{5}$  instead of  $\frac{5}{4}$ . The percentage error is :

- (a) 45 %
- (b) 36 %
- (c) 60 %
- (d) 64 %

Q84. The number of marble slabs of size 25 cm × 25 cm required to pave the floor of a square room of side 10 metres is :

- (a) 1600
- (b) 1000
- (c) 2000
- (d) 2500

Q85. 40 % of a number is added to 120, then the result is double of the number. What is the number ?

- (a) 100
- (b) 240
- (c) 150
- (d) 75

Q86. A and B can do a work in 10 days, B and C can do it in 12 days, C and A can do it in 15 days. If A, B and C work together, they will complete the work in :

- (a) 15 days
- (b) 8 days
- (c) 10 days
- (d) 12 days

Q87. The prices of a table and a chair are in the ratio 4 : 1. The cost of 2 tables and 8 chairs is Rs. 400, the cost of a table is :

- (a) Rs. 25
- (b) Rs. 100
- (c) Rs. 75
- (d) Rs. 50

Q88. The ratio of men and women in a polling booth is 4 : 5. If there were 120 women more than that of men, the number of voters in the booth were :

- (a) 480
- (b) 600
- (c) 1080
- (d) 1000

Q89. A train of length 150 meters took 8 seconds to cross a bridge of length 250 metres. Time taken by the train to cross a telephone post is :

- (a) 5 seconds
- (b) 8 seconds
- (c) 3 seconds
- (d) 2 seconds

Q90. The difference between compound interest and simple interest for an amount in 2 years is Rs. 32. If the rate of interest is 8%, the amount is :

- (a) Rs. 10000
- (b) Rs. 1000
- (c) Rs. 5000
- (d) Rs. 2500

Q91. Identify the next number in the series : 2, 7, 17, 32, 52, 77, \_\_\_\_\_ .

- (a) 107
- (b) 91
- (c) 101
- (d) 92

Q92. Identify the missing term :

PRT, \_\_\_\_\_ BDF, HJL, NPR

- (a) UWY
- (b) VYA
- (c) VXZ
- (d) AXY

Q93. In a certain code SUNDAY is coded as USDNYA. How could CREATION be written in that code ?

- (a) NOITAERC
- (b) RCTAENOI
- (c) RECTAOIN
- (d) RCAEITNO

Q94. Find out the option which has the same type of relationship as 'Chemistry and Science'?

- (a) Painting and Arts
- (b) Medicine and Surgery
- (c) Geography and History
- (d) Civics and Archaeology

Q95. Identify the odd man out :

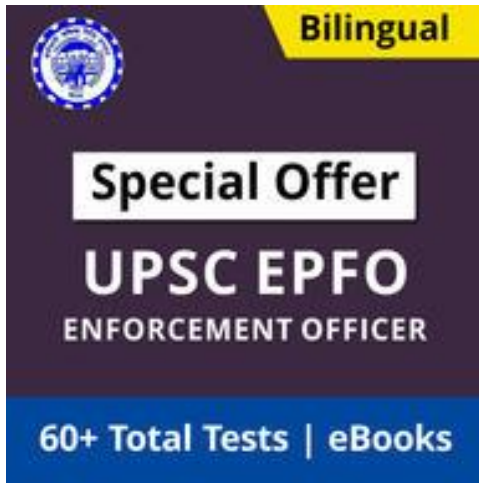
- (a) 14
- (b) 55
- (c) 49
- (d) 63

Q96. A, B, C, D, E and F are sitting in six chairs regularly placed around a round table. It is observed that A is between D and F, C is opposite to D, D and E are not on neighboring chairs. Which one of the following must be true ?

- (a) A is opposite to B
- (b) D is opposite to E
- (c) C and B are neighbors
- (d) Band E are neighbors

Q97. Introducing a man, a woman said "His wife is the only daughter of my father". How is that man related to woman ?

- (a) Brother
- (b) Husband
- (c) Father in - law
- (d) Maternal Uncle



Q98. Facing south A start his journey and make turnings towards the left and right in the sequence given below. Which sequence will finally lead A to a direction other than the south?

- (a) left, right, left, right, left, right
- (b) left, right, right, left, left, right
- (c) left, left, right, left, left, right
- (d) right, right, right, left, left, left

Q99. Some boys are standing in a queue. If the tenth boy from behind is 5 behind the 12<sup>th</sup> boy from the front, how many are there in the queue ?

- (a) 26
- (b) 17
- (c) 20
- (d) 27

Q100. A cyclist goes 40 km towards East and then turning to right he goes 40 km.

Again he turn to his left and goes 20 km. After this he turns to his left and goes 40 km, then again turns right and goes 10 km. How far is he from his starting point ?

- (a) 150 km
- (b) 60 km
- (c) 70 km
- (d) 50 km