

Entrance Examination-2015
Post Graduate Diploma in Health Communication

Max. Marks: 75

Time: 2 Hours

HALL TICKET NUMBER

GENERAL INSTRUCTIONS

- Please check if there are **nine pages excluding** this page.
- Please read the instructions for **each section** carefully.
- **Enter your hall ticket number** on the **question paper** and the **OMR sheet** without fail.
- **Read the instructions** on the **OMR sheet** carefully before proceeding.
- Please **return the filled in OMR sheet** to the invigilator.
- You may keep the question paper with you.
- Answer all the **questions** in the **OMR sheet** only.
- All questions carry equal **negative marks**. 0.33 marks will be subtracted for every wrong answer.

TOTAL NUMBER OF PAGES EXCLUDING THIS PAGE: 09 (NINE)

SECTION 1: MEDIA AND GENERAL AWARENESS (20 X 1= 20 MARKS)

1. Who is the editor of the magazine Caravan?

- (A) Krishna Prasad (B) Vinod K. Jose (C) Siddharth Varadarajan
(D) Arnab Goswami

2. Filmfare 2014 honoured Farhan Akhtar with the Best Actor award for his performance in

- (A) Shaadi Ke Side Effects (B) Bombay Talkies (C) Dil Dhadakne Do
(D) Bhaag Milka Bhaag

3. After leaving NDTV, journalist Rajdeep Sardesai joined which media group?

- (A) Times Now (B) Network 18 (C) The Hindu (D) Living Media

4. Kailash Satyarthi was awarded the Nobel Peace Prize for his work in which area?

- (A) Child Rights (B) Women's Rights (C) Right to Education (D) Right to Information

5. Which city hosted the ninth G20 summit held in November 2014?

- (A) Brisbane, Australia (B) Geneva, Switzerland (C) Berlin, Germany
(D) Buenos Aires, Argentina

6. Who among the following won Men's Singles title in China Open 2014 (Badminton)?

- (A) Chen Long (B) Lin Dan (C) Srikanth Kidambi (D) Prakash Padukone

7. Who is the Governor of Arunachal Pradesh?

- (A) Nirbhay Sharma (B) J B Patnaik (C) Krishan Kant Paul
(D) Padmanabha Balakrishna Acharya

8. What is the name of the India's own card payment network that has been dedicated to the nation?

- (A) Money Card (B) Rupay (C) IndPay (D) Rupee Card

9. The Prime Minister has called for making Mission Swacch Bharat a mass movement so that the aim of creating a clean India can be achieved by

- (A) 2020 (B) 2025 (C) 2030 (D) 2019

10. What social service has Facebook not acquired?

- (A) WhatsApp (B) Instagram (C) Snapchat (D) Messenger

11. The Pulitzer prize is awarded for outstanding work in the field of

- (A) Science and Technology (B) Environment Studies (C) Literature and Journalism
(D) International understanding

- 12. The NDTV show which journalist Shekar Gupta hosted for several years was called**
(A) Walk the Talk (B) We the People (C) the Big Fight (D) Face the Nation
- 13. Phil Hughes, who died in a tragic accident last year, suffered an injury from**
(A) a cricket bat (B) a cricket ball (C) a broken helmet (D) falling on the stumps
- 14. The major financial scam in which senior Trinamool Congress members have been implicated involves**
(A) Vedanta (B) Reliance (C) Sharadha Chit Funds (D) Prudential Bank
- 15. The nuclear reactor that will soon be commissioned despite continued protests is in**
(A) Tarapore (B) Kaiga (C) Koodankulam (D) Narora
- 16. An American detention centre which has become synonymous with questionable interrogation techniques is**
(A) Alcatraz (B) Sing Sing (C) Attica (D) Abu Gharib
- 17. The President of the BCCI in 2014 was**
(A) N Srinivasan (B) Lalit Modi (C) Sharad Pawar (D) T V Srinivasan
- 18. The taxi company that was in the news for poor screening of drivers is**
(A) Ola Cabs (B) Meru Cabs (C) Uber (D) Genie
- 19. Frontline is published by which of the following media organizations?**
(A) Bennett & Coleman (B) Living Media India (C) Ananda Bazaar Patrika (D) The Hindu
- 20. The current President of Sri Lanka is**
(A) Mahinda Rajapaksa (B) Chandrika Kumaratunga (C) D M Jayaratne
(D) Ranil Wickramasinghe

SECTION 2: HEALTH AWARENESS (25 X 1= 25 MARKS)

21. The New compound (+)-SJ733 offers cure for which of the following diseases:
(A) Malaria (B) Pneumonia (C) Cancer (D) Jaundice

22. Who was the surgeon who performed the first successful human to human heart transplant?
(A) Christiaan Barnard (B) Daniel Hale Williams (C) Wilfred G. Bigelow
(D) C. Walton Lillehei

23. Meningitis affects which of the following organs?
(A) lungs (B) kidneys (C) brain (D) skin

24. A dermatologist is a medical specialist who deals with
(A) dementia (B) heart disease (C) speech and hearing (D) skin

25. Which of the following is not considered a public health problem?
(A) diabetes (B) cataract (C) chicken pox (D) mental illness

26. DOTS is the standard protocol for handling which of the following diseases?
(A) tuberculosis (B) HIV/AIDS (C) polio (D) swine flu

27. Several women in Chattisgarh died following a relatively simple surgical procedure, known as
(A) vasectomy (B) tubectomy (C) hysterectomy (D) splenectomy

28. The "D" in the DPT vaccine stands for
(A) Dengue (B) Diabetes (C) Diphtheria (D) Dysentery

29. Jaundice is the common name for
(A) Carcinoma (B) Hepatitis (C) Halitosis (D) Cirrhosis

30. Oocyte cryopreservation is a type of
(A) Reproductive technology (B) Sterilisation (C) Fertility treatment (D) Surgical procedure

31. The most recent outbreak of Ebola is said to have originated in
(A) West Africa (B) Asia (C) Latin America (D) Caribbean

32. The World Health Organization is headquartered in
(A) Paris (B) London (C) Geneva (D) Berlin

33. One of the most important measures of human development is
(A) under 5 mortality rate (B) age at marriage (C) access to higher education (D) level of urbanization

34. The leading cause of newborn death globally is
(A) disease (B) poor birthing practices (C) premature birth (D) poor sanitation

- 35. Homeopathy originated in**
(A) Iran (B) Germany (C) India (D) Greece
- 36. Carrots are a good source of**
(A) Vitamin K (B) Beta-carotene (C) Vitamin C (D) Carbohydrates
- 37. A vegan is someone who**
(A) eats only vegetables (B) does not eat meat or eggs (C) does not consume or use any animal products (D) eats only grains
- 38. A specialist who deals with gum diseases and conditions is known as a**
(A) dental hygienist (B) periodontist (C) orthodontist (D) endodontist
- 39. The current union minister of health is**
(A) Jagat Prakash Nadda (B) Maneka Gandhi (C) Shripad Yasso Naik
(D) Suresh Prabhu
- 40. High cholesterol is considered to be a risk factor for**
(A) diabetes (B) cardio-vascular disease (C) kidney disease (D) Alzheimer's
- 41. The cadre of frontline rural health workers are known as**
(A) Anganwadi workers (B) Balwadi workers (C) ASHA workers
(D) Multipurpose Volunteers
- 42. Muscular dystrophy is a/an**
(A) degenerative disease (B) infectious disease (C) congenital disease (D) chronic disease
- 43. Influenza is caused by**
(A) a bacterium (B) a virus (C) poor sanitation (D) poor nutrition
- 44. A lactose intolerant person cannot consume**
(A) wheat (B) rice (C) milk products (D) fruit juice
- 45. The pigment in the skin that gives it colour is called**
(A) melanin (B) melatonin (C) tannin (D) vitiligo

SECTION 3: COMPREHENSION (10 X 1= 10 MARKS)

Read the article below and answer the questions that follow by selecting the most appropriate answer from the options provided.

Miracle Vitamin?

About 90 per cent of the vitamin D, also known as calciferol, needed by a person is produced in the body. When skin is exposed to the ultraviolet (B) rays, provitamin D present in the skin gets converted into previtamin D. It is isomerised by body heat to the precursor of vitamin D₃, which is then transported to the liver through blood. Here, vitamin D₃ gets converted to 25-hydroxy vitamin D and is sent to the kidneys where its active form calcitriol is formed. Calcitriol is important for maintaining calcium balance in the body. It also functions as a hormone and regulates the concentration of calcium and phosphate in blood.

The recommended exposure time to obtain this UV dose depends on the skin type, time and location as well as ambient conditions and clothing. Studies carried out in developed countries show that a full body exposure to UVB radiation that results in pinkness of skin (one erythemal dose) is equal to an oral intake of 250–625µg (10,000–25,000 IU) of 25-hydroxy vitamin D. Exposing one-quarter of skin, for instance just hands, arms and face, to one erythemal dose of UVB rays can form dietary equivalent vitamin D dose of about 1,000 IU. However, no such calculation has been done for India, where the complexion of people varies from light to dark.

Initially, most of the known benefits of vitamin D were restricted to those to the bones. But in recent years, the vitamin has been given the status of a miracle molecule due to the large number of extra-skeletal benefits it seems to have. Research around the world shows that it can prevent multiple sclerosis, diabetes, cancer, pre-eclampsia during pregnancy, low birth weight, and also improve immune response to TB, cognitive decline, Parkinson's disease, asthma and obesity.

But a recent report by USA's Institute of Medicine (IOM) punctures the bubble—the 2011 report says the evidence that links vitamin D to all the myriad diseases is weak. The potential roles of vitamin D are currently best described as hypotheses of emerging interest, and the conflicting nature of available evidence cannot be used to establish health benefits with any level of confidence, IOM says.

At present standards for vitamin D are set down by using the level of 25D in the blood. But a study based on postmortems shows a large proportion of people who had less than 10 ng/ml of 25D had normal bone histology.

Moreover, vitamin D is not the only nutrient required for adequate calcium levels, which ensure bone health. Calcium levels are also controlled by sodium and potassium levels in the diet. For instance, high intake of sodium increases excretion of calcium through urine, but it can be checked by adding more potassium in the diet. Consumption of alcohol, coffee and tea too reduce calcium absorption. Experts suggest consumption of carbonated soft drinks with high levels of phosphate can also lead to reduced bone mass and heighten risk of fracture.

(Courtesy: Down to Earth, March 15, 2013)

46. Vitamin D plays an important role in

- (A) Building immunity (B) maintaining Calcium balance (C) reducing risk of anemia
(D) building lung capacity

47. The body produces up to this level of the required Vitamin D:

- (A) 10% (B) 75% (C) 90% (D) 45%

48. The body can lose calcium through

- (A) urination (B) sweating (C) exposure to sun (D) fractures

49. One of the ways in which Vitamin D deficiency is determined is

- (A) level of 25D in the blood (B) Bone X-ray (C) skin test (D) checking sodium level in the blood

50. Reduced bone mass can lead to

- (A) cancer (B) rheumatism (C) fracture (D) neuropathy

51. Calcium absorption can be affected by

- (A) excessive intake of soft drinks (B) obesity (C) lack of exposure to sunlight (D) insufficient protein intake

52. The path of Vitamin D production in the body involves

- (A) brain, lungs and kidney (B) skin, liver and kidney (C) blood, liver and spleen (D) body heat and liver

53. In addition to Vitamin D, adequate amounts of the following are required in the diet to maintain bone health

- (A) sodium (B) potassium (C) sodium and potassium (D) calcitrol

54. Ultraviolet energy is obtained from

- (A) heat exposure (B) sunlight (C) skin tanning (D) nutrients

55. It is difficult to recommend a standard level of exposure to UV light in India because

- (A) the climatic conditions vary (B) colour of skin varies (C) there is wide variation in culture (D) food habits vary

SECTION 4: LANGUAGE COMPETENCE (20 X 1= 20 MARKS)

Fill in the blanks with the most appropriate word/phrase from the options given.

56. Dark clouds float in the sky. _____ going to rain.
(A) It's
(B) Its
(C) It has
(D) It will
57. _____ is no way grandfather will allow us to go the cinema.
(A) Their
(B) There
(C) It is
(D) They're
58. _____ bag is this? Students, please take care of your belongings!
(A) Who is
(B) Who has
(C) Whoever
(D) Whose
59. American writer Stephen King has said, "_____ people have the loudest minds."
(A) Quiet
(B) Quite
(C) Cute
(D) Clean
60. Please _____ our sincere apologies for the inconvenience caused.
(A) Expect
(B) Except
(C) Accept
(D) Approve
61. Let's carry _____ apples for the picnic as well as bananas.
(A) Few
(B) A few
(C) Fewer
(D) None
62. I saw some _____ swimming in the lake.
(A) Peoples
(B) People's
(C) People
(D) A people

63. This book was _____.
(A) Very interesting
(B) Much interested
(C) Disinterested
(D) Interestingly
64. If you don't go, I won't go _____
(A) Either
(B) Too
(C) Also
(D) Neither
65. I am _____ to meet you.
(A) Delighting
(B) Delighted
(C) To delight
(D) Delight
66. The course _____ 75% attendance.
(A) acquires
(B) wants
(C) requires
(D) has
67. I _____ down on my bed and tried to go to sleep.
(A) lay
(B) lied
(C) lain
(D) lie
68. The playground _____ is/are in a bad condition.
(A) tools
(B) furniture
(C) equipment
(D) equipments
69. Conjunctivitis is a _____ disease
(A) infectious
(B) contagious
(C) chronic
(D) terminal
70. You need _____ of patience to complete this task properly.
(A) a lot
(B) alot

- (C) allot
- (D) much

71. Both my _____ are in the army.
- (A) son in laws
 - (B) sons in law
 - (C) sonsinlaw
 - (D) soninlaws
72. The _____ in December can be quite unpredictable.
- (A) weather
 - (B) climate
 - (C) season
 - (D) whether
73. I _____ to handle my responsibilities without any problems.
- (A) could able
 - (B) able
 - (C) was able
 - (D) abled
74. _____ Disease affects the nervous system.
- (A) Parkinsons
 - (B) Parkinsons'
 - (C) Parkinson
 - (D) Parkinson's
75. I would like to see this doctor because I have heard that he is very _____.
- (A) competent
 - (B) competing
 - (C) competitive
 - (D) competence