

पुस्तिका में पृष्ठों की संख्या-32  
No. of Pages in Booklet -32  
पुस्तिका में प्रश्नों की संख्या-180  
No. of Questions in Booklet -180

**BSAP-22**

30/8/22

प्रश्न पुस्तिका संख्या /  
Question Booklet No.

1000389

Paper Code : 04

SUBJECT : Geriatric Medicine  
(Broad Speciality)

समय: 3.00 घण्टे  
Time: 3.00 Hours

अधिकतम अंक: 180  
Maximum Marks: 180

प्रश्न-पत्र पुस्तिका के पेपर सील/ पॉलिथिन बैग को खोलने पर परीक्षार्थी यह सुनिश्चित कर लें कि प्रश्न पुस्तिका संख्या तथा ओ.एम.आर. उत्तर-पत्रक पर अंकित बारकोड समान हैं। इसमें कोई भिन्नता हो तो परीक्षार्थी वीक्षक से दूसरा प्रश्न-पत्र प्राप्त कर लें। ऐसा सुनिश्चित करने की जिम्मेदारी अभ्यर्थी की होगी।

**On opening the paper seal/ polythene bag of the Question Booklet the candidate should ensure that Question Booklet Number and Barcode of OMR Answer Sheet must be same. If there is any difference, candidate must obtain another Question Booklet from Invigilator. Candidate himself shall be responsible for ensuring this.**

### परीक्षार्थियों के लिए निर्देश

1. सभी प्रश्नों के उत्तर दीजिए।
2. सभी प्रश्नों के अंक समान हैं।
3. प्रत्येक प्रश्न का केवल एक ही उत्तर दीजिए।
4. एक से अधिक उत्तर देने की दशा में प्रश्न के उत्तर को गलत माना जाएगा।
5. प्रत्येक प्रश्न के चार वैकल्पिक उत्तर दिये गये हैं, जिन्हें क्रमशः 1, 2, 3, 4 अंकित किया गया है। अभ्यर्थी को सही उत्तर निर्दिष्ट करते हुए उनमें से केवल एक गोले अथवा बबल को उत्तर-पत्रक पर नीले बॉल प्वाइंट पेन से गहरा करना है।
6. **OMR** उत्तर-पत्रक इस परीक्षा पुस्तिका के अन्दर रखा है। जब आपको परीक्षा पुस्तिका खोलने को कहा जाए, तो उत्तर-पत्रक निकाल कर ध्यान से केवल नीले बॉल प्वाइंट पेन से विवरण भरें।
7. प्रत्येक गलत उत्तर के लिए प्रश्न अंक का 1/3 भाग काटा जायेगा। गलत उत्तर से तात्पर्य अशुद्ध उत्तर अथवा किसी भी प्रश्न के एक से अधिक उत्तर से है। किसी भी प्रश्न से संबंधित गोले या बबल को खाली छोड़ना गलत उत्तर नहीं माना जायेगा।
8. मोबाइल फोन अथवा इलेक्ट्रॉनिक यंत्र का परीक्षा हॉल में प्रयोग पूर्णतया वर्जित है। यदि किसी अभ्यर्थी के पास ऐसी कोई वर्जित सामग्री मिलती है, तो उसके विरुद्ध आयोग द्वारा नियमानुसार कार्यवाही की जायेगी।
9. कृपया अपना रोल नम्बर ओ.एम.आर. पत्रक पर सावधानी पूर्वक सही भरें। गलत अथवा अपूर्ण रोल नम्बर भरने पर 5 अंक कुल प्राप्तांकों में से काटे जा सकते हैं।
10. यदि किसी प्रश्न में किसी प्रकार की कोई मुद्रण या तथ्यात्मक प्रकार की त्रुटि हो, तो प्रश्न के हिन्दी तथा अंग्रेजी रूपान्तरों में से अंग्रेजी रूपान्तर मान्य होगा।

**चेतावनी :** अगर कोई अभ्यर्थी नकल करते पकड़ा जाता है या उसके पास से कोई अनधिकृत सामग्री पाई जाती है, तो उस अभ्यर्थी के विरुद्ध पुलिस में प्राथमिकी दर्ज कराते हुए विविध नियमों-प्रावधानों के तहत कार्यवाही की जाएगी। साथ ही विभाग ऐसे अभ्यर्थी को भविष्य में होने वाली विभाग की समस्त परीक्षाओं से विवर्जित कर सकता है।

### INSTRUCTIONS FOR CANDIDATES

1. Answer all questions.
2. All questions carry equal marks.
3. Only one answer is to be given for each question.
4. If more than one answers are marked, it would be treated as wrong answer.
5. Each question has four alternative responses marked serially as 1, 2, 3, 4. You have to darken only one circle or bubble indicating the correct answer on the Answer Sheet using **BLUE BALL POINT PEN**.
6. The **OMR** Answer Sheet is inside this Test Booklet. When you are directed to open the Test Booklet, take out the Answer Sheet and fill in the particulars carefully with **blue ball point pen** only.
7. **1/3 part of the mark(s) of each question will be deducted for each wrong answer.** A wrong answer means an incorrect answer or more than one answers for any question. Leaving all the relevant circles or bubbles of any question blank will not be considered as wrong answer.
8. Mobile Phone or any other electronic gadget in the examination hall is strictly prohibited. A candidate found with any of such objectionable material with him/her will be strictly dealt as per rules.
9. Please correctly fill your Roll Number in O.M.R. Sheet. **5 Marks** can be deducted for filling wrong or incomplete Roll Number.
10. If there is any sort of ambiguity/mistake either of printing or factual nature, then out of Hindi and English Version of the question, the English Version will be treated as standard.

**Warning :** If a candidate is found copying or if any unauthorized material is found in his/her possession, F.I.R. would be lodged against him/her in the Police Station and he/she would liable to be prosecuted. Department may also debar him/her permanently from all future examinations.

**इस परीक्षा पुस्तिका को तब तक न खोलें जब तक कहा न जाए।**

**Do not open this Test Booklet until you are asked to do so.**

1. Which of the following is an Extrinsic risk factor for pressure ulcer?

- 10003830
- (1) Edema
  - (2) Malnutrition
  - (3) Smoking
  - (4) Moisture

2. Following is true of Renal function tests in normal elderly, except -

- (1) GFR declines approximately 8.0 mL/min per 1.73m<sup>2</sup> per decade from the middle of the fourth decade of life
- (2) Decrease in GFR with age is not accompanied by elevations in serum creatinine levels
- (3) Cystatin C, is a marker of reduced GFR in older adults with deranged creatinine levels
- (4) Aging is associated with a progressive decrease in renal plasma flow

3. Examples of advance directives include all, except -

- (1) Physician Orders for Life-Sustaining Treatment (POLST)
- (2) MOLST (Medical Orders for Life-Sustaining Treatment)
- (3) Do not resuscitate
- (4) Health Insurance

4. The confusion assessment method consists of looking for four features.

- (1) Acute onset and fluctuating course,
- (2) Inattention,
- (3) Disorganised thinking, and
- (4) Altered level of consciousness.

The diagnosis of delirium requires the presence of the following features -

- (1) Any two of them
- (2) 1 and 2 and either 3 or 4
- (3) All the four
- (4) Either 1 or 2, and 3 and 4

5. A 68-year-old man with a history of myocardial infarction and congestive heart failure is comfortable at rest. However, when walking he develops dyspnea, fatigue, palpitations. The above symptoms relieve after rest. His New York Heart Association classification is which of the following?

- (1) Class I
- (2) Class II
- (3) Class III
- (4) Class IV

6. Infectious esophagitis is not commonly caused by.....
- (1) Herpes Simplex
  - (2) Candida
  - (3) Cytomegalovirus (CMV)
  - (4) H. Pylori
7. Who introduced the concept of physical frailty?
- (1) Fried
  - (2) Rockwood
  - (3) Mitnitski
  - (4) Newman
8. Population Ageing depends upon -
- (1) Decline in fertility, increase in life expectancy and migration
  - (2) Increase in fertility, increase in life expectancy and large birth cohort
  - (3) Decline in life expectancy, increase in fertility and migration
  - (4) Decline in life expectancy, decline in fertility and large birth cohort
9. Arginine Vasopressin (AVP) acts through which receptor on renal collecting duct?
- (1) V<sub>1</sub> receptor
  - (2) V<sub>2</sub> receptor
  - (3) V<sub>3</sub> receptor
  - (4) V<sub>4</sub> receptor
10. Long-Stay Quality Measures include all, EXCEPT -
- (1) One or more falls with major injury
  - (2) Urinary tract infection
  - (3) Weight Gain
  - (4) Administration of antipsychotic medication
11. Sleep in older adults can be improved first by -
- (1) Encouraging sleep hygiene
  - (2) Counselling
  - (3) Adding sedatives
  - (4) None of the above
12. Adverse drug reactions in older people are more frequent due to all, EXCEPT -
- (1) Pharmacokinetic ad pharmacodynamic changes
  - (2) Pharmacovigilance
  - (3) Polypharmacy
  - (4) Comorbidities

13. Geriatric Failure To Thrive (GFTT) is characterised by all, EXCEPT -
- (1) Involuntary weight loss and failure to maintain functional capacity
  - (2) More common in females
  - (3) More common in males
  - (4) Increases with age
14. The timed-up and go test (TUG) is an indicator of -
- (1) Mental ability
  - (2) Psychological preparedness
  - (3) Functional status
  - (4) Quality of life assessment
15. Sjögren's syndrome with a plasma sodium 140 meq/L, chloride 112 meq/L, bicarbonate 15 meq/L, and potassium 3.0 meq/L; urine showing a pH of 6.0, sodium of 14 meq/L, potassium of 12 meq/L, and chloride of 12meq/L. The most likely diagnosis is -
- (1) Type I Renal Tubular Acidosis (RTA)
  - (2) Type II RTA
  - (3) Type III RTA
  - (4) Type IV RTA
16. Which is the first imaging test for Stroke?
- (1) NCCT Brain
  - (2) MRI Brian
  - (3) PET Scan
  - (4) MR angiography
17. Sensitivity is -
- (1) True Negative
  - (2) True Positive
  - (3) False Negative
  - (4) False Positive
18. External factors affecting immunosenescence are following, EXCEPT -
- (1) Alcoholism
  - (2) Exercise
  - (3) Malnutrition
  - (4) Cognitive impairment

19. Modern "Geriatric Giants" are -
- (1) Frailty, sarcopenia, constipation, and cognitive impairment.
  - (2) Frailty, CHF, the anorexia of aging, and cognitive impairment.
  - (3) Frailty, sarcopenia, the anorexia of aging and cognitive impairment.
  - (4) Frailty, CKD, the anorexia of aging, and cognitive impairment.
20. Potentially Inappropriate Prescribing (PIP) or PIP omissions criteria are -
- (1) Beers criteria
  - (2) Screening Tool of Older Person's Prescription (STOPP)
  - (3) Screening Tool to Alert to Right Treatment (START)
  - (4) All of the above
21. Prevention measures to decrease nosocomial pneumonia for hospitalized elderly in the non-ICU setting include all, EXCEPT-
- (1) Avoid intubation in patients with respiratory failure/Promote the use of non-invasive ventilation
  - (2) Promote use to proton pump inhibitors
  - (3) Use antibiotics judiciously
  - (4) Maintain good oral hygiene
22. For management of Acute abdomen in older people, what is not correct -
- (1) Physical signs may be deceptive
  - (2) Mesenteric ischemia is more common than younger patients
  - (3) Early CT abdomen may not help
  - (4) Surgical intervention should not be deferred
23. Myelodysplastic Syndrome (MDS), FAB classification includes the following, EXCEPT -
- (1) Refractory anaemia (RA)
  - (2) Refractory Anaemia with Ring Sideroblasts (RARS)
  - (3) Refractory Anaemia with Excess Blasts in Transformation (RAEB-T)
  - (4) Chronic Monocytic Leukaemia (CML)
24. Advance care planning discussion leads to following outcomes, EXCEPT-
- (1) Advance statements
  - (2) Advance directive
  - (3) Advance payment
  - (4) The nomination of a surrogate decision maker

25. Rash in a 55 year old male on scrapping of the lesions is viewed after a wet preparation with 10% potassium hydroxide solution
- Both hyphal and spore forms present, giving the slide an appearance of “spaghetti and meatballs.”
  - In addition, the lesions fluoresce to a yellow-green appearance under a Wood’s lamp.
- Which of the following microorganisms is responsible for his this skin infection?
- (1) *Malassezia furfur*
  - (2) *Penicillium marneffei*
  - (3) *Sporothrix schenckii*
  - (4) *Trichophyton rubrum*
26. Which of the following statements regarding Alzheimer’s disease is true?
- (1) Delusions are uncommon
  - (2) It accounts for over half of the cases of significant memory loss in patients over 70 years of age
  - (3) It typically presents with rapid (<6 months) significant memory loss
  - (4) Less than 5% of patients present with nonmemory complaints
27. A 75-year-old male with diabetes mellitus presents acute abdominal pain in the right upper abdomen, vomiting and fever. His plain abdominal film reveals gas within the gall bladder lumen and dissecting within the gallbladder wall to form a gaseous ring. What is the probable diagnosis?
- (1) Acute Pancreatitis
  - (2) Acalculous Cholecystitis
  - (3) Intestinal Perforation
  - (4) Emphysematous Cholecystitis
28. 45-year-old male complains of tremors while working. He complains of lethargy and decreased interest in work. There is no change in his weight. On examination he has no tremors at rest but has fine tremors when the hands are outstretched. His resting pulse rate is 80/mt with normal neurological examination. What is the most probable diagnosis?
- (1) Chronic Anxiety
  - (2) Benign essential tremors
  - (3) Parkinson’s disease
  - (4) Hyperthyroidism

29. Anorexia-cachexia syndrome frequently occurring in terminal illnesses could be treated with all, EXCEPT-
- (1) Corticosteroids
  - (2) Vitamins
  - (3) Oxandrolone
  - (4) Ghrelin mimetics
30. What is false about Bortezomib used for treatment of multiple myeloma?
- (1) Proteasome inhibitor
  - (2) Herpes Zoster prophylaxis needed
  - (3) Causes Neuropathy
  - (4) Deep Vein thrombosis prophylaxis needed
31. Which of the following statements is FALSE?
- (1) Suicide is twice as frequent in the elderly population.
  - (2) Depression is more common in men than in women.
  - (3) Depression is more common in hospitalized patients than in those in the community.
  - (4) More patients avoid becoming depressed if they move to a safer environment.
32. A 63-year-old man with treatment naïve AML-M4 admitted in ER with altered mental status. He is confused and somnolent. He has history of passage of excessive urine the previous night at home. Laboratory studies are notable for an absolute neutrophil count of 400, a platelet count of 35,000 and a serum sodium of 165. Treatment includes all, EXCEPT -
- (1) Thiazides
  - (2) Desmopressin
  - (3) Lithium
  - (4) NSAIDS
33. Advance directives are also called -
- (1) Medical wills
  - (2) Living wills
  - (3) Management plans
  - (4) Management directions
34. The following are age related changes in eyes, except -
- (1) Decreased lacrimal gland secretion
  - (2) Lens becomes rigid
  - (3) Dryness of endothelial cells of cornea
  - (4) Denaturation of lens protein

35. Following antibiotics is not effective against anaerobes -
- (1) Clindamycin
  - (2) Ticarcillin-clavulanic acid
  - (3) Doxycycline
  - (4) Meropenem
36. Rapidly developing bilateral blindness in an older person could occur due to -
- (1) Age related macular degeneration
  - (2) Giant cell arteritis
  - (3) Diabetic retinopathy
  - (4) Cataract
37. Choose the correct statement about Health Expectancy -
- (1) Same as life expectancy
  - (2) Population health indicator combining information on the quantity of life (life expectancy) and quality of the remaining years (health)
  - (3) Population health indicator combining information on the quantity of life (life expectancy) and quality of the previous years (health)
  - (4) Incorporates both present and past health states of aging population
38. Joint family system is gradually eroding in India affecting the health care of older people. Which is not the cause for it?
- (1) Urbanization
  - (2) Migration
  - (3) Economic participation of women
  - (4) Financial security
39. Trabecular bone is seen in all sites, except -
- (1) Vertebra
  - (2) Hip
  - (3) End of long bones
  - (4) Shaft of long bones
40. Frailty Tools are all, except -
- (1) SARE Frailty Indicator
  - (2) Groningen Frailty Indicator
  - (3) Tilburg Frailty Indicator
  - (4) Edmonton Frail Scale



41. All of the following statements are correct, except -
- (1) Older women are more likely than men to be living with disability/morbidity
  - (2) Old men are more likely to die than old women
  - (3) Old men are more likely to have heart disease as compared to old women
  - (4) Most studies of older populations have a larger proportion of males as compared to females
42. The antifungal action of Echinocandins is that it -
- (1) Inhibits fungal DNA synthesis
  - (2) Inhibits lanosterol 14 $\alpha$ -demethylase
  - (3) Inhibits squalene epoxidase
  - (4) Inhibits  $\beta$ -1,3-glucan synthase
43. Enhanced cytokine production in the "inflammaging" leads to -
- (1) Splenomegaly
  - (2) Thymic atrophy
  - (3) Lymphopenia
  - (4) Anaemia
44. Which is not a Long-Term Care Facility (LTCFs)
- (1) Day Care Centre
  - (2) Old age Home
  - (3) Nursing Home
  - (4) Assisted Living
45. Following statements are true about tinnitus associated with Age-Related Hearing Loss (ARHL), EXCEPT -
- (1) 11% of adults suffering from ARHL experience permanent and persistent tinnitus
  - (2) Hearing impairment, increasing age, and male gender are the most relevant risk factors
  - (3) Hearing impairment, increasing age, and female gender are the most relevant risk factors
  - (4) Hearing impairment, increasing age, and either male or female gender are the most relevant risk factors
46. During surgery older patients are prone for -
- (1) Hypokalemia
  - (2) Hypothermia
  - (3) Hypothyroidism
  - (4) Hypertension
47. Following is true of Lung function tests in normal elderly, except -
- (1) Both FEV1 and FVC decreases with age
  - (2) Ratio of FEV1 to FVC increases annually
  - (3) Total Lung Capacity does not change significantly with age
  - (4) Residual V and FRC increase

48. Reversible or partially reversible dementias include all of the following, EXCEPT -
- (1) Wilson's disease
  - (2) Hashimoto's thyroiditis
  - (3) Lewy body dementia
  - (4) Normal pressure hydrocephalus
49. A 61-year-old patient of ulcerative colitis has five stools per day with mild fever. His disease severity according to Montreal Classification of Extent and severity of Ulcerative Colitis is -
- (1) Clinical remission
  - (2) Mild
  - (3) Moderate disease activity
  - (4) Severe disease activity
50. Monkeypox virus infection causes which type of skin lesions?
- (1) Vesiculopustular lesions
  - (2) Palpable purpura
  - (3) Maculopapular lesions
  - (4) Papulonodular lesions
51. All of the following immunization are mandatory for elderly population, except?
- (1) Pneumococcus
  - (2) Annual influenza
  - (3) COVID 19 vaccination
  - (4) Hepatitis B
52. All are validated fall risk screening tools, except -
- (1) TUG test
  - (2) STRATIFY
  - (3) CaHFRiS Screen
  - (4) 10-Stage Balance Test
53. Some landmark studies in geriatrics include all, except -
- (1) U.S. HRS-AHEAD
  - (2) ELSA
  - (3) SHARE
  - (4) ILDA

54. Which is not an indication for renal biopsy in an older patient?
- (1) Acute decline in GFR
  - (2) Obstructive Uropathy
  - (3) Nephrotic range proteinuria
  - (4) Active urinary sediment
55. Healthy Ageing is developing and maintaining the.....that enables well-being in older age.
- (1) Functional ability
  - (2) Physical and mental ability
  - (3) Environment
  - (4) Intrinsic capacity
56. A 76-year-old man is admitted from the emergency room with cellulitis of the right leg. He has been consuming alcohol in significant quantities in the last few years and he has limited calorie intake other than alcohol. Given his alcoholism and poor oral intake, he would be at risk of deficiency of all of the following vitamins, EXCEPT -
- (1) Folate
  - (2) Thiamine
  - (3) Vitamin B12
  - (4) Vitamin E
57. Regarding Febrile neutropenia in older patient which is INCORRECT?
- (1) High risk of developing it
  - (2) Invasive fungal infections could occur
  - (3) Prophylactic use of Granulocyte-ColonyStimulating Factor (G-CSF) not recommended
  - (4) Poor Prognosis
58. Commonest identified source of community-acquired bacteremia in older patients is -
- (1) Lower respiratory tract
  - (2) Biliary tract
  - (3) Genitourinary system
  - (4) Skin and soft tissues
59. A 65-year-old male has CT calcium score on Agatston score is 250. He falls in which CAC category?
- (1) Mild
  - (2) Moderate
  - (3) Sever
  - (4) Minimal

60. For "Compression of Morbidity" hypothesis all are true, except -
- (1) As people approach the limit of their life, they must compress the time that they experience diseases that affect mortality towards the end.
  - (2) Centenarians generally exhibit this compression.
  - (3) Centenarians generally do not exhibit this compression.
  - (4) Compression of morbidity towards the end of life would implicate an overall exhaustion of organ reserve as the cause of death in these individuals.
61. Omalizumab, a monoclonal antibody is used to treat -
- (1) Ulcerative Colitis
  - (2) Rheumatoid Arthritis
  - (3) Asthma
  - (4) Multiple Myeloma
62. Regarding Basal cell Carcinoma is FALSE -
- (1) Progresses slowly
  - (2) Usually do not metastasize
  - (3) Treatment of choice is chemotherapy
  - (4) Common on face but can occur on all body sites
63. The therapeutic goal of HbA1C for a 82 year-old-woman with Diabetes Mellitus, Stroke and Dementia would be -
- (1) 7-7.5%
  - (2) 7-8%
  - (3) 8-8.5%
  - (4) <7%
64. Which of the following risk factors has the highest odds ratio of causing Peripheral Arterial Disease?
- (1) Hypercholesterolemia
  - (2) Cigarette smoking
  - (3) Diabetes mellitus
  - (4) Hypertension
65. Which drug does not cause generalized osteoporosis?
- (1) Glucocorticoids
  - (2) Heparin
  - (3) Lithium
  - (4) Cephalosporins

66. The murmur of hypertrophic cardiomyopathy is enhanced by -
- (1) Hand grip
  - (2) Leaning forward while sitting
  - (3) Lying left side down
  - (4) Valsalva maneuver
67. Which is not correct about Comprehensive Geriatric Assessment (CGA)?
- (1) Tool to estimate prognosis of the functionally compromised and frail older subjects
  - (2) Social and environmental assessment is included
  - (3) Multidimensional, interdisciplinary
  - (4) Healthcare setting will not modify the effectiveness of CGA
68. Following is true of Male Breast Cancer, EXCEPT -
- (1) Males usually present at a later stage
  - (2) Histologically, most lesions are infiltrating ductal carcinomas
  - (3) Frequency of estrogen receptor-positive lesions is 20% to 30%
  - (4) The results with systemic chemotherapy are similar to those in females
69. Drug used to treat "Off" periods in parkinsonism is -
- (1) Pramipexole
  - (2) Selegiline
  - (3) Apomorphine
  - (4) Amantadine
70. The World Health Organization Integrated Care for Older People (ICOPE) approach has how many steps?
- (1) 3
  - (2) 5
  - (3) 6
  - (4) 4
71. Which type of bite represents a potential medical emergency in a febrile asplenic patient?
- (1) Cat bite
  - (2) Dog bite
  - (3) Fish bite
  - (4) Human bite

72. All is true about "Actinic Keratosis" in elderly, except -
- (1) Premalignant precursor of basal cell carcinoma
  - (2) Sun exposed areas most affected (forehead, scalp, ears, lower lip, forearms and dorsal aspect of the hands)
  - (3) Painful, indurated, eroded and erythematous are more likely to become malignant
  - (4) Treatment for few and discrete AKs is best performed with cryosurgery (liquid nitrogen)
73. 46-Year-old presents with history of mucopurulent cough and has been diagnosed as a case of Bronchiectasis. Which of the following is unlikely to be the cause of Bronchiectasis?
- (1) Cystic Fibrosis
  - (2) Kartagener's syndrome
  - (3) Chronic Left Ventricular failure
  - (4) Pneumonia
74. Regarding Tuberculosis in the older patient, what is not True?
- (1) Extra pulmonary tuberculosis is less common than younger age
  - (2) Cough and hemoptysis less common
  - (3) Adverse drug reactions to anti tubercular treatment more common
  - (4) Delayed diagnosis
75. Following is a putative cancer risk biomarker in older people -
- (1) Senescence-associated secretory phenotype
  - (2) Senescence-associated gene p16INK4A
  - (3) ATM gene
  - (4) Functional exonuclease 1 promoter
76. Following is a potential side effect associated with bisphosphonate use -
- (1) Hepatic dysfunction
  - (2) Atypical femoral fracture
  - (3) Hypercalcaemia
  - (4) Thyroid dysfunction
77. Which of the following about Rheumatoid Arthritis (RA) in elderly is incorrect?
- (1) Less constitutional symptoms (fever, weight loss, fatigue)
  - (2) More shoulder involvement
  - (3) More acute onset of arthritis
  - (4) May have negative assay for Rheumatoid Factor (RF)
78. The fraction of exhaled nitric oxide (FeNO) is a test employed experimentally in -
- (1) Lung Cancer
  - (2) Asthma
  - (3) Bronchiectasis
  - (4) Lung Abscess

79. Potential Advantages of Telemedicine Systems include all, EXCEPT -
- (1) Access to health services in rural and remote communities
  - (2) Reduction in travel time, inconvenience, and expense for patients
  - (3) Reduction in travel time for health professionals
  - (4) Decreased autonomy for older patients and caregivers in accessing health care
80. SY, 75 years old male, living alone, retired, Hindu Nuclear Family, Lower Socioeconomic status, Urban background, was apparently maintaining well until 2019, which he gradually developed symptoms of anger outbursts, delusions of persecution, muttering and smiling to self, blunted affect, poor self-care, and would be incoherent in between. From 2020, he started having grandiose delusions of ability and identity. He continued voicing delusions of grandiosity and would be seen muttering and smiling to self in between. By the end 2021, patient developed constipation and would not take his meals even on repeated persuasions. His symptoms started worsening and he would have increased agitation and anger outburst, despite on Clozapine 350mg and with adequate adherence.
- Diagnosis –**
- (1) Schizophrenia
  - (2) Depression
  - (3) Anxiety
  - (4) Senile Dementia
81. Oxybutynin is used in treatment of -
- (1) Urge incontinence
  - (2) Functional incontinence
  - (3) BPH
  - (4) Stress incontinence
82. Human Prion Diseases include A/E-
- (1) Kuru
  - (2) Creutzfeldt Jakob Disease
  - (3) Scrapie
  - (4) Gerstmann Straussler Scheinker Disease
83. Clinical consequences of Skin ageing are the following, EXCEPT -
- (1) Atrophy, xerosis, pruritus
  - (2) Actinic lentigines
  - (3) Bowen's disease
  - (4) Dermatoporosis

84. Noninvasive test Fibrosis-4 (FIB-4) score to assess the severity of hepatic fibrosis in NASH utilizes which of the following clinical variables?
- (1) Platelet Count
  - (2) Serum Bilirubin
  - (3) Lymphocyte Count
  - (4) Serum Triglyceride
85. American College of Sports Medicine (ACSM) recommends the following physical activity standards in elderly -
- (1) 150 minutes of moderate-intensity activity or at least 75 minutes of vigorous-intensity activity, or an equivalent combination of moderate and vigorous activity
  - (2) 120 minutes of moderate-intensity activity or at least 60 minutes of vigorous-intensity activity, or an equivalent combination of moderate and vigorous activity
  - (3) 180 minutes of moderate-intensity activity or at least 90 minutes of vigorous-intensity activity, or an equivalent combination of moderate and vigorous activity
  - (4) 200 minutes of moderate-intensity activity or at least 75 minutes of vigorous-intensity activity, or an equivalent combination of moderate and vigorous activity
86. Screening for which disease in older people is not cost effective-
- (1) Hypertension
  - (2) Diabetes Mellitus
  - (3) Cervical Cancer
  - (4) Lung Cancer
87. Electrocardiographic changes in hypokalemia are most marked when serum  $K^+$  is -
- (1)  $<2.5$  mmol/L
  - (2)  $<2.7$  mmol/L
  - (3)  $<3.0$  mmol/L
  - (4)  $<2.9$  mmol/L
88. True about use of Bone-Anchored Hearing Aids in elderly are all, except -
- (1) Used in older adults with single-sided deafness
  - (2) Implanted, contralateral to the side of deafness
  - (3) Implanted to the same side of deafness
  - (4) Maximal benefit in elderly with conductive hearing loss
89. The most important genetic risk factor for sporadic Alzheimer's Disease is -
- (1) ApoE  $\epsilon$ 4 allele
  - (2) ApoE  $\epsilon$ 2 allele
  - (3) ApoE  $\epsilon$ 3 allele
  - (4) ApoE  $\epsilon$ 1 allele



90. 35-year-old female from Rajasthan, presents with complaints of transient blurring of vision which lasted for less than an hour. No history of fever, addictions or any comorbidities. On examination her blood pressure was 150/96 mmHg. Pulse 74/mt. Investigations reveal Haemoglobin of 16.0gm/dl, WBC of 8000/mm<sup>3</sup>, RBCs of 82×10<sup>3</sup> /l with platelet of 800×10<sup>3</sup> /l. PS shows normal differential counts. Which of the following is the most likely diagnosis?
- (1) Polycythemia rubra vera
  - (2) Secondary Polycythemia
  - (3) Chronic Myeloid Leukemia
  - (4) Essential Thrombocytosis
91. Aortic stenosis presenting with symptoms at 65 years of age is more likely to be -
- (1) Degenerative and calcific changes on a congenital bicuspid aortic valve
  - (2) Rheumatic Valvular Disease
  - (3) Radiation
  - (4) Hypertension
92. Which statement about Antibiotic stewardship is FALSE?
- (1) Prospective audit of antimicrobial use
  - (2) Formulary restriction
  - (3) Preauthorization
  - (4) Responsibilities of Infectious disease specialist alone
93. A pulmonary function test of a seventy-year-old male patient with COPD reveals FEV<sub>1</sub>/FVS as 0.65 and FEV<sub>1</sub> as 60%. According to the Global Initiative for Chronic Obstructive Lung Disease (GOLD) criteria, his severity of airflow obstruction is.....
- (1) Mild
  - (2) Moderate
  - (3) Severe
  - (4) Very Severe
94. Relapsing polychondritis shows all of the following conditions, EXCEPT -
- (1) Myelodysplastic syndrome
  - (2) Primary biliary cirrhosis
  - (3) Scleroderma
  - (4) Spondyloarthritis

95. Which intervention does not reduce adverse drug reactions?
- (1) Frequent review of medication
  - (2) "Start low, go slow"
  - (3) Encourage use of over-the-counter drugs
  - (4) Minimizing the number of drugs used
96. The following hormones remain unchanged with aging except -
- (1) Luteinizing hormone (males)
  - (2) Thyroxine
  - (3) Epinephrine
  - (4) Insulin
97. Pharmacologic interventions to delay ageing have shown positive results in experimental studies with-
- (1) Corticosteroids
  - (2) Sperminide
  - (3) Vitamin D
  - (4) Thyroxine
98. A 66-year-old male is admitted with ascites and paracentesis is done. The results show a TLC of 300 leukocytes/ $\mu$ L with 35% polymorphonuclear cells. The peritoneal albumin level is 1.4g/dL, protein is 2.0g/dL, and triglycerides are 320mg/dL. Peritoneal cultures are pending. Serum albumin is 2.9g/dL. Which of the following is the most likely diagnosis?
- (1) Congestive heart failure
  - (2) Peritoneal tuberculosis
  - (3) Peritoneal carcinomatosis
  - (4) Bacterial peritonitis
99. 65-year-old woman is seen in clinic for evaluation of dyspnoea. Which of the following physical findings would fit the diagnosis of pulmonary arterial hypertension?
- (1) Elevated neck veins, normal S1 and S2, II/VI diastolic blowing murmur heard at the right upper sternal border.
  - (2) Elevated neck veins; loud S2; II/VI systolic murmur left lower sternal border
  - (3) Elevated neck veins; loud, fixed, split S2; III/VI systolic murmur left lower sternal border
  - (4) Elevated neck veins; expiratory splitting of S2, II/VI harsh systolic murmur left upper sternal border

100. Age - Associated changes in Vasculature include all, except -
- (1) Increased intimal thickness
  - (2) Increased collagen
  - (3) Increased elastin
  - (4) Increased vascular stiffness
101. Elevated levels of the following indicates liver disease, except -
- (1) 5'- nucleotidase
  - (2) Conjugated bilirubin
  - (3) Unconjugated bilirubin
  - (4) ALT & AST
102. Use of which of the following antibiotics is least likely to lead to development of Clostridium difficile-associated disease?
- (1) Ceftriaxone
  - (2) Clindamycin
  - (3) Piperacillin/tazobactam
  - (4) Moxifloxacin
103. There are several theories to explain the phenomenon of ageing. "Disposable Soma Hypothesis" belongs to which category of theory?
- (1) Evolutionary
  - (2) Molecular
  - (3) Cellular
  - (4) Systemic
104. Following facts about falls in elderly are correct, except -
- (1) Over one third of persons older than 65 year fall each year
  - (2) 75% of these patients have recurrent falls
  - (3) Falls are responsible for two thirds of accidental deaths
  - (4) 20% to 30% of those who fall suffer moderate to severe injuries such as lacerations, hip fractures, or head trauma
105. The original Constraint-Induced Movement Therapy (CIMT) concept included -
- (1) Therapy is provided for 2 weeks
  - (2) Therapy is provided for 4 weeks
  - (3) Therapy is provided for 6 weeks
  - (4) Therapy is provided for 8 weeks

106. All are superficial mycosis except -
- (1) Tinea versicolor
  - (2) Entomohthoromycosis
  - (3) Piedra
  - (4) Tinea nigra
107. American Society of Anaesthesiologists Physical Status Categories includes all, EXCEPT -
- (1) P1 A normal healthy patient
  - (2) P2 A patient with mild systemic disease
  - (3) P3 A patient with severe systemic disease that is a constant threat to life
  - (4) P5 A moribund patient who is not expected to survive without the operation
108. Following statements are true about oro-dental health in elderly, EXCEPT -
- (1) Coronal (chewing surface) caries are less frequent than root caries in elderly
  - (2) Root caries are less frequent than Coronal (chewing surface) caries in elderly
  - (3) Bisphosphonate use is associated with osteonecrosis of jaw
  - (4) There is an association between poor periodontal disease and increased risk of cardiovascular disease/stroke
109. U.S. Preventive Services Task Force (USPSTF) guidelines for colorectal cancer screening in elderly includes all, EXCEPT-
- (1) Screen for colorectal cancer using fecal occult blood testing, sigmoidoscopy or colonoscopy in adults beginning at age 50 and continuing until age 75 (Grade A).
  - (2) Recommend routine screening for colorectal cancer in adults aged 76-85 (Grade C).
  - (3) Recommend against screening for colorectal cancer screening in adults over the age 85 (Grade D).
  - (4) Evidence is insufficient to assess the benefits and harms of computed tomographic colonography and fecal DNA testing as Screening modalities for colorectal cancer (I).
110. All statements about "Venous Lakes" in elderly are correct, except -
- (1) Venous lakes and dark blue to violet-coloured papules
  - (2) Occur in un exposed areas of older patients
  - (3) Frequently progress to malignancy over 5-10 years
  - (4) Electrodesiccation, excision, or lasers may be used to remove venous lakes
111. Abdominojugular reflux is produced with firm and consistent pressure over the upper portion of the abdomen, preferably over the right upper quadrant, for.....
- (1) >10 sec
  - (2) >12 sec
  - (3) >15 sec
  - (4) >20 sec

112. Components of a Medication Reconciliation are all, except -
- (1) Develop a list of current medications (also known as the medication history).
  - (2) Develop a list of medications to be prescribed
  - (3) Compare the medications on the two lists
  - (4) Make clinical decision based on the new prescribed drug list
113. Keigel's exercise is used to strengthen -
- (1) Quadriceps
  - (2) Pelvic floor muscle
  - (3) Facial muscle
  - (4) Rectus abdominis
114. All of the following statements regarding CNS infections in elderly are correct, except?
- (1) Older adult patients with bacterial meningitis are less likely to have neck stiffness and meningeal signs
  - (2) Mycobacterium tuberculosis is the most common organism associated with meningitis in older adult patients
  - (3) Listeria is more likely to cause meningitis in older adults than in young adults.
  - (4) Cerebrospinal fluid (CSF) findings in older adult patients
115. Following is true of Adrenocortical function in elderly, EXCEPT -
- (1) Basal cortisol secretion decreases with aging
  - (2) Stimulated cortisol secretion decreases with aging
  - (3) Circadian cortisol secretion decreases with aging
  - (4) Basal, circadian, and stimulated cortisol secretion remains intact with aging
116. 40-year-old female presented with complaints of abdominal pain since last 4 months associated with constipations with intermittent episodes of loose motions. H/o occasional episodes of vomiting present which was nonbilious. Systemic examination was normal. Which of the following treatment is not indicated in this patient?
- (1) FODMAP diet
  - (2) Rifaximin 550mg BD for 2 weeks
  - (3) Tricyclic Antidepressants
  - (4) Probiotic agents
117. Following measures are helpful in estimation of exocrine function on pancreas, except -
- (1) Secretin
  - (2) Quantitative stool fat
  - (3) Serum amylase
  - (4) Fecal elastase

118. "Cueing" in Geriatric care is defined as -
- (1) Providing discrete external sensory information, usually via rhythmic auditory or visual stimuli, which serve as a reference, target, or trigger for movement generation.
  - (2) Providing discrete external motor information, usually via rhythmic physical stimuli, which serve as a reference, target, or trigger for movement generation.
  - (3) Continuous online provision of external information, which supplements sensory (proprioceptive) pathways to guide motor performance.
  - (4) Continuous online provision of external information, which supplements physical pathways to guide sensory performance.
119. Lung Volume Reduction Surgery will be indicated in.....
- (1) Diffusely distributed emphysema on CT scan
  - (2) Upper lobe predominant emphysema
  - (3) Lower lobe predominant emphysema
  - (4) None of the above
120. Which is a sensitive marker of residual/recurrent thyroid cancer after ablation of the residual post-surgical thyroid tissue?
- (1) Serum Thyroglobulin
  - (2) Serum Calcitonin
  - (3) Serum TSH
  - (4) Serum LT4
121. The duration for which antidepressants should be continued after resolution of symptoms is -
- (1) 6-8 weeks
  - (2) 4 to 6 weeks
  - (3) 6 to 9 months
  - (4) 3 to 6 months
122. In a patient with bacterial endocarditis, which of the following echocardiographic lesions is most likely to lead to embolization?
- (1) 5-mm mitral valve vegetation
  - (2) 5-mm tricuspid valve vegetation
  - (3) 11-mm aortic valve vegetation
  - (4) 11-mm mitral valve vegetation
123. If elderly abuse is suspected, the first step to perform is -
- (1) Admission to sheltered accommodation such as old age home or nursing home
  - (2) To report to neighbours
  - (3) Documentation of the facts
  - (4) To assess older person's physical and mental capacity, general quality of care, relationship with abuser and assessment of the abuser

124. Menopause is defined as absence of menses for -
- (1) 12 months
  - (2) 6 months
  - (3) 4 months
  - (4) 8 months
125. A 66 year old male developed fever and cough. He was reluctant to get tested for COVID. He was convinced with difficulty by his family physician. Immediately after he was told he has tested positive, he became very distressed; he could be heard crying in his room and would tell family members that he may not survive. He had difficulty in sleeping and became restless. Family members and his doctors tried to reassure him that he has minimal symptoms, but he was preoccupied with the fact that something would happen to him --
- Diagnosis -**
- (1) Normal reaction
  - (2) Panic attack
  - (3) Adjustment disorder/Acute Stress Reaction
  - (4) Mania
126. Following are components of the CURB 65 scoring system, EXCEPT -
- (1) Serum Urea > 7mmol/L
  - (2) Respiratory rate  $\geq$  30/min
  - (3) Blood pressure (systolic BP < 90mm Hg or diastolic BP  $\leq$  60mm Hg)
  - (4) Age  $\geq$  60 years
127. Most common Tumour metastasizing to brain is -
- (1) Pancreas
  - (2) Lung
  - (3) GIT
  - (4) Melanoma
128. Paternalism refers to -
- (1) Taking care of parents at home
  - (2) Taking care of children at home
  - (3) Actions taken or decisions made for another person with the intention of benefiting that person
  - (4) Type of leave for parent care

129. Tumour growth in older patients is more aggressive due to following, EXCEPT -
- (1) Immune escape
  - (2) Fas receptors induced apoptosis decreased
  - (3) Decreased recognition of tumour antigen
  - (4) Enhanced cancer specific inflammatory response
130. A comprehensive Emergency Department stratifying tool for elderly -
- (1) ISAR
  - (2) TTSE
  - (3) MMSE
  - (4) MoCA
131. Aducanumab used for treatment of Alzheimer's Disease acts upon -
- (1) B secretase inhibitor
  - (2) Neurotransmitters
  - (3) A $\beta$  peptide
  - (4) Phosphorylated tau
132. Human Progeroid Syndromes include all, except -
- (1) Werner syndrome
  - (2) Hutchinson-Gilford syndrome
  - (3) Bloom syndrome
  - (4) Familial Alzheimer's disease
133. Lupus Nephritis A/E -
- (1) Class I – Minimal mesangial Nephritis
  - (2) Class II – Mesangial Proliferative
  - (3) Class III – Diffuse Proliferative
  - (4) Class V – Membranous Lupus Nephritis
134. Pathological changes in Alzheimer's Disease begin in which region of brain?
- (1) Lateral temporal lobe
  - (2) Medial temporal lobe
  - (3) Basal temporal lobe
  - (4) Posterior temporal lobe
135. Hyper-CVAD for treatment of lymphomas in elderly includes all, EXCEPT -
- (1) Hyper fractionated cyclophosphamide
  - (2) Vincristine
  - (3) Adalimumab
  - (4) Dexamethasone



136. Paroxysmal Atrial Fibrillation is defined as a pattern of AF episodes that occur spontaneously and terminate with a relatively short duration, most commonly defined as.....
- (1) 5 days or less
  - (2) 10 days or less
  - (3) 7 days or less
  - (4) 14 days or less
137. Dietary protein requirement of an older individual with pressure sore is -
- (1) 25% calories as protein
  - (2) 20% calories as protein
  - (3) 15% calories as protein
  - (4) 12% calories as protein
138. Following drugs are more likely than others to cause serious Adverse Drug Reactions in older patient, EXCEPT -
- (1) NSAIDs
  - (2) Anticoagulants
  - (3) Benzodiazepines
  - (4) Macrolides
139. Indications for surgery in Abdominal Aortic Aneurysm (AAA) is -
- (1) Aortic diameter  $\geq 5.5$  cm in males and  $\geq 5.0$  cm or greater in females
  - (2) Aortic diameter  $\geq 5.0$  cm in males and  $\geq 5.5$  cm or greater in females
  - (3) Aortic diameter  $\geq 4.5$  cm in males and  $\geq 4.0$  cm or greater in females
  - (4) Aortic diameter  $\geq 4.0$  cm in males and  $\geq 4.5$  cm or greater in females
140. Following is true of "Abbreviated comprehensive geriatric assessment (aCGA)", EXCEPT -
- (1) 3 questions about ADLs (Activities of Daily Living)
  - (2) 4 questions about IADLs (Instrumental Activities of Daily Living)
  - (3) 3 questions from the MMSE (Mini Mental State Examination)
  - (4) 4 questions from the GDS (Geriatric Depression Scale)
141. Common nonspecific clinical presentations of disease in the older population include all, except -
- (1) Fatigue
  - (2) Fever
  - (3) Rash
  - (4) Altered Mental Status

142. Sarcopenia is not assessed by -
- (1) Dual-energy X-ray Absorptiometry
  - (2) Bioimpedance Analysis
  - (3) Handgrip strength
  - (4) Ultrasound examination
143. True statement about Physician-Assisted Suicide (PAS) -
- (1) Physician provides a patient with the means to commit suicide
  - (2) Physician commits suicide
  - (3) PAS is legal in India
  - (4) Legal in Switzerland, the Netherlands, Luxembourg, Belgium
144. Patient with Autosomal Dominant Polycystic Kidney Disease is more likely to suffer from.....
- (1) Ischemic Heart Disease
  - (2) Ulcerative Colitis
  - (3) Intracranial aneurysm
  - (4) Polyneuropathy
145. While prescribing physical exercises to an older individuals physician has to evaluate the risks of exercises. What incorrect about it?
- (1) Potential for falls and accidents
  - (2) Awareness about symptoms of ischemic heart disease
  - (3) Drug history
  - (4) All of the above
146. Following is true about athetosis, except -
- (1) Slow movement
  - (2) Writhing movement
  - (3) Usually affects trunk muscles
  - (4) Usually affects arms and hands
147. Progressive dwindling in end-of-life care denotes -
- (1) Mortality because of combination of frailty and dementia
  - (2) Mortality because of malignancy
  - (3) Mortality because of dementia
  - (4) Mortality because of frailty
148. All of the following are Myeloproliferative Disorders (MPDs), EXCEPT -
- (1) Polycythemia Vera (PV)
  - (2) Essential Thrombocythemia (ET)
  - (3) Chronic Idiopathic Myelofibrosis (CIF)
  - (4) Chronic Myelomonocytic Leukaemia (CMML)

149. "CASES" approach in geriatrics includes all except -
- (1) Clarify the information
  - (2) Assemble & synthesize the information
  - (3) Explain the information
  - (4) Summate at the end
150. With ageing pharmacokinetic changes are all, EXCEPT -
- (1) Interindividual variability
  - (2) Reduced hepatic and renal clearance
  - (3) Small change in volume of distribution
  - (4) Reduced first-pass metabolism, with reduces bioavailability of drugs that undergo significant first-pass hepatic metabolism
151. Which of the following organisms is least likely to be isolated in the sputum of a patient with cystic fibrosis?
- (1) Haemophilus influenzae
  - (2) Acinetobacter baumannii
  - (3) Burkholderia cepacia
  - (4) Aspergillus fumigatus
152. Unexplained anemia of elderly people is likely to result from all, EXCEPT -
- (1) Hypocellular marrow
  - (2) High erythropoietin levels
  - (3) Androgen Insufficiency
  - (4) Defects in hypoxia signaling
153. Near death due to loss of gag reflex and dysphagia, accumulation of oral secretions causes noisy respiration "the death rattle". Which drug could be useful for it?
- (1) Scopolamine
  - (2) Albuterol
  - (3) Ambroxol
  - (4) N acetyl cysteine
154. The diagnosis of Acromegaly is confirmed demonstrating the failure of Growth Hormone suppression to.....within 1-2 hours of an oral glucose load (75g).
- (1) <0.2 g/l
  - (2) <0.4 g/l
  - (3) <0.6 g/l
  - (4) <0.8 g/l

155. All statements about Open Reduction Internal Fixation (ORIF) to arthroplasty for treatment of displaced femoral neck fractures in older adults is correct, EXCEPT -
- (1) The complication rate for those patients undergoing ORIF is higher
  - (2) The need for revision surgery for those patients undergoing ORIF is higher
  - (3) The need for revision surgery for those patients undergoing arthroplasty is higher
  - (4) Dislocation rate is higher with total joint arthroplasty
156. Following is true of increased Parathyroid levels with aging in elderly, EXCEPT -
- (1) 1,25(OH)2D3 production by the aging kidney decreases with aging
  - (2) Increased renal 1 $\alpha$ -hydroxylase to circulating PTH1
  - (3) A reduction in dietary intake and absorption of calcium and vitamin D
  - (4) A reduction in vitamin D production in the skin
157. How can a caregiver improve communication with an older adult with hearing impairment?
- (1) Shout to the patient to hear better
  - (2) Avoid light on your face to discourage lip reading
  - (3) Avoid interaction
  - (4) Let the person see your face when you speak
158. Which statement is INCORRECT for nutrition?
- (1) Aging is associated with increasing incidence of weight loss and Protein-Energy Malnutrition.
  - (2) Undernutrition leads to frailty, physical dependence, and premature death.
  - (3) The elderly being a homogeneous group, a uniform dietary schedule can be prescribed.
  - (4) Anorexia in older adults occurs due to lack of exercise, loneliness, depression, chronic debilitating disease, confusion, forgetfulness, side-effects of drugs, alcohol, and smoking.
159. Following is true about HLA-B27 in ankylosing spondylitis (AS)
- (1) Only 5% of HLA-B27-positive people develop AS
  - (2) Only 10% of HLA-B27-positive people develop AS
  - (3) Only 15% of HLA-B27-positive people develop AS
  - (4) Only 20% of HLA-B27-positive people develop AS
160. Etiology of hypercalcemia includes all except -
- (1) Lithium
  - (2) Vitamin D intoxication
  - (3) Immobilisation
  - (4) Acute Rhabdomyolysis

161. The following statement about changes in inflammatory markers with increasing age are true, except -
- (1) Decreased C reactive protein (CRP)
  - (2) Increased ESR
  - (3) Increased Interleukin-6 (IL-6)
  - (4) Increased Tumor necrosis factor alpha (TNF- $\alpha$ )
162. A 65-year-old male presenting with chronic abdominal pain, weight loss, steatorrhea, malabsorption, history of alcohol abuse and history of recurrent pancreatitis. Which test has to be undertaken first?
- (1) Magnetic Resonance Imaging (MRI) and Magnetic Resonance Cholangiopancreatography (MRCP)
  - (2) Contrast enhanced Computed Tomography of abdomen (CECT)
  - (3) Endoscopic Ultrasound (EUS)
  - (4) Pancreatic function test with Secretin-Endoscopic Collection (ePFT)
163. Which is not a potential barrier to advance care planning for older people?
- (1) Unwillingness of family members to accept their relative is dying
  - (2) Absence of cognitive impairment
  - (3) Patients perceiving end-of-life care discussions as the responsibility of family members
  - (4) Patient thinking 'My doctor will decide for me'
164. Following is true of Diabetes in elderly, EXCEPT -
- (1) Insulin secretion diminishes by 0.7%/year with increasing age
  - (2) Symptoms may be absent in up to 50% of patients
  - (3) The classic osmotic symptoms are usually less prominent
  - (4) Postprandial or 2-hour oral glucose tolerance test is less reliable than fasting blood sugar levels for diagnosis
165. Treatment of Hyperthyroidism in elderly includes all, EXCEPT -
- (1) Radioactive iodine ablation can be used safely.
  - (2) Methimazole is drug of choice for medical management of hyperthyroidism in elderly.
  - (3) Propylthiouracil is a drug of choice for medical management of hyperthyroidism in elderly.
  - (4) Surgery is reserved for large goitres with obstructive symptoms of known or suspected malignancy.
166. Acute renal failure in elderly occurs commonly due to all, EXCEPT -
- (1) Aminoglycosides
  - (2) Obstructive Uropathy
  - (3) Cystitis
  - (4) NSAIDs

167. Common Cancers in old age are all, EXCEPT -
- (1) Head and Neck Cancers
  - (2) Soft tissue Sarcomas
  - (3) Ca colon
  - (4) Lung cancer
168. The focus of Occupational therapy is on -
- (1) Restoration of functions
  - (2) Relief of symptoms
  - (3) Improving communication
  - (4) Tackling cognitive impairment
169. Following is true of asymptomatic bacteriuria in elderly, EXCEPT -
- (1) 25% of women and 10% of men aged older than 65 years have asymptomatic bacteriuria
  - (2) 50% of women & more than 35% in men older than 80 years have asymptomatic bacteriuria
  - (3) Asymptomatic bacteriuria in elderly is defined as 2,00,000 or more colony forming units/mL urine on two or more consecutive tests in the absence of any clinical symptoms
  - (4) Routine screening and treatment are not recommended
170. Theories about "Aging" include all, except -
- (1) Programmed, or "Adaptive," Aging theory
  - (2) Natural selection weakness with Age
  - (3) Disposable Soma Theory
  - (4) Early-acting deleterious mutations theory
171. Organisms associated with diarrhoea and reactive arthritis. Which of the following is the most likely etiologic agent of his diarrhoea?
- (1) *Campylobacter jejuni*
  - (2) *Clostridium difficile*
  - (3) *H. pylori*
  - (4) *Shigella flexneri*
172. Antibody associated with Limited Cutaneous Systemic Sclerosis is -
- (1) DNA Topoisomerase I
  - (2) RNA polymerase III
  - (3) Centromere Protein - B
  - (4) U1-RNP
173. For treatment of acute attack of migraine, which group of drug is not effective?
- (1) 5-HT<sub>1B/1D</sub> Receptor Agonists
  - (2) Calcitonin Gene-Related Peptide (CGRP) Receptor Agonists
  - (3) 5-HT<sub>1F</sub> Receptor Agonists
  - (4) Nonsteroidal Anti-inflammatory Drugs

174. Etiology of high anion gap metabolic acidosis includes all except -
- (1) Methanol
  - (2) Diabetic Ketoacidosis
  - (3) Renal tubular acidosis
  - (4) Salicylate ingestion
175. Vessel damage in vasculitis via production of antineutrophilic cytoplasmic antibodies is seen in A/E -
- (1) Granulomatosis with polyangiitis
  - (2) Henoch-Schonlein Purpura
  - (3) Microscopic Polyangiitis
  - (4) Churg-Strauss Syndrome
176. In the 2011 census, the elderly population aged 60 and above accounted for 8.6% of the Indian population. The share of the elderly population in India is projected to further rise to.....by 2050.
- (1) 19.5%
  - (2) 17.5%
  - (3) 22.5%
  - (4) 16%
177. The counter current multiplication leads to production of -
- (1) Hypertonic medullary interstitium using the loop of Henle and the vasa recta
  - (2) Hypotonic medullary interstitium using the loop of Henle and the vasa medulla
  - (3) Hypertonic medullary interstitium using the distal convoluted tubule and the vasa medulla
  - (4) Hypotonic medullary interstitium using the loop of Henle and the vasa recta
178. The following maneuver is used for the treatment of Benign paroxysmal positional vertigo -
- (1) Modified Epley Maneuver
  - (2) Dix-Hallpike Maneuver
  - (3) Vagal Maneuver
  - (4) None of the above
179. Following is an evidence based treatment modality in COVID-19 ARDS management -
- (1) Early remdesvir within 10 days of onset of illness has the best results
  - (2) Remdesivir is also beneficial even late in disease course (beyond 10 days of symptom onset)
  - (3) Remdesivir has no role in the management of COVID 19 ARDS
  - (4) Remdesivir is given as an oral formulation
180. Which of the following is involved in adaptive immunity?
- (1) Antigen-presenting cells
  - (2) Complement system
  - (3) Granulocyte oxidase activity
  - (4) Monocyte adhesion

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**Space for Rough Work**