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OPSC

**Previous Year Paper
Homeopathic Medical
Officer 2014 Paper-I**



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T. B. C. : HM – I

Test Booklet Series

Serial No. **1017**

A

TEST BOOKLET
HOMEOPATHIC MEDICAL OFFICER
(PAPER – I)

Time Allowed : 1½ Hours

Maximum Marks : 100

: INSTRUCTIONS TO CANDIDATES :

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET OF THE SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. This Test Booklet contains **100** items (questions). Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
5. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided, by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
6. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. There will be negative markings for wrong answers. 25 percent of marks allotted to a particular item (question) will be deducted as negative marking for every wrong response (answer).
7. Before you proceed to mark (darken) in the Answer Sheet the responses to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
8. After you have completed filling in all your responses on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the *Answer Sheet* and the *Test Booklet* issued to you. You are allowed to take with you the candidate's copy/ second page of the Answer Sheet along with the Test Booklet after completion of the examination for your reference.

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SEAL

1. The paraneoplastic syndrome associated with Hodgkins disease is :

- (A) Nephrotic syndrome
- (B) Retinopathy
- (C) Cerebellar degenerative disease
- (D) Acanthosis Nigricans

2. Match List – I with List – II and select the correct answer using the codes given below the lists :

List – I (Urine abnormalities)	List – II (Diseases)
-----------------------------------	-------------------------

- | | |
|---------------------------|----------------------------|
| (a) RBC Casts | (i) Acute Pyelonephritis |
| (b) WBC Casts | (ii) Renal Tubular Disease |
| (c) Broad Casts | (iii) Glomerulonephritis |
| (d) Coarse Granular Casts | (iv) Chronic Renal Failure |

: Code :

- | | | | | |
|-----|-------|------|------|-------|
| | (a) | (b) | (c) | (d) |
| (A) | (iv) | (i) | (ii) | (iii) |
| (B) | (iii) | (ii) | (iv) | (i) |
| (C) | (iv) | (ii) | (i) | (iii) |
| (D) | (iii) | (i) | (iv) | (ii) |

3. Loud S1 in Mitral Stenosis is caused by:

- (A) Prolonged flow through mitral valves

(B) 1st degree heart block

(C) Calcification of mitral valve

(D) Immobilization of mitral valve

4. A patient presents with melena, normal renal function, hypertension and mononeuritis multiplex. The most probable diagnosis is :

- (A) Classical polyarteritis nodosa
- (B) Microscopic polyangitis
- (C) Henoch-Schonlein purpura
- (D) Buerger's disease

5. Specific test for gout is :

- (A) Raised serum uric acid level
- (B) Raised uric acid level in synovial fluid of joints
- (C) Raised urea level
- (D) Raised urease enzyme level

6. Life threatening complication of Diabetes mellitus are all EXCEPT :

- (A) Malignant otitis externa
- (B) Rhinocerebral mucormycosis
- (C) Emphysematous pyelonephritis
- (D) Emphysematous appendicitis

7. Dancing carotid is seen in :

- (A) Thyrotoxicosis
- (B) Hypothyroidism

(C) AV fistula

(D) Blow out carotid

8. The most common feature of Osteoporosis is :

(A) Compression fracture of spine

(B) Asymptomatic, detected incidentally by low serum calcium

(C) Bowing of legs

(D) Loss of weight

9. Match List – I with List – II and select the correct answer using the codes given below the lists :

List – I (ECG findings)	List – II (Disease)
(a) ST elevation	(i) Right Bundle Branch Block
(b) Shortened QT interval	(ii) Torsade de Pointes
(c) Wide QRS complex	(iii) Fresh Myocardial Infarction
(d) Prolonged QT interval	(iv) Hypercalcemia

: Code :

(a)	(b)	(c)	(d)
(A)	(iii)	(i)	(iv)
(B)	(iii)	(iv)	(i)
(C)	(iii)	(ii)	(i)
(D)	(iii)	(i)	(ii)

10. Match List – I with List – II and select the correct answer using the codes given below the lists :

List – I (Syndromes)	List – II (Associated symptoms)
-------------------------	------------------------------------

(a) Plummer-Vinson	(i) Right Bundle Branch Block
(b) Cushing's	(ii) Koilonychia
(c) Bechet's	(iii) Central obesity
(d) Brugada	(iv) Recurrent apathous ulcerations

: Code :

(a)	(b)	(c)	(d)
(A)	(iv)	(iii)	(i)
(B)	(ii)	(iii)	(iv)
(C)	(i)	(iii)	(ii)
(D)	(iii)	(i)	(ii)

11. Ranson's criteria for prognosis in Acute pancreatitis include all except :

- (A) WBC > 16000 cells/cumm
- (B) Age over 55 years
- (C) AST > 250U/100 ml
- (D) Serum amylase > 250 IU

12. Diarrhoea with acanthocytosis is seen in :

- (A) Whipple's disease

- (B) Celiac sprue
(C) Wolman's disease
(D) Ulcerative colitis
13. Hepatitis C virus is associated with :
(A) Anti-LKM antibody
(B) Scleroderma
(C) Cryoglobulinemia
(D) Polyarteritis nodosa
14. Which of the following serum levels would help in distinguishing an acute liver disease from chronic liver disease ?
(A) Aminotransaminase
(B) Alkaline Phosphatase
(C) Serum bilirubin
(D) Albumin
15. Pontine stroke is associated with all except :
(A) Bilateral pinpoint pupils
(B) Pyrexia
(C) Vagal palsy
(D) Quadriparesis
16. The diagnosis of a patient presenting with Seizures, Mental retardation and Sebaceous adenoma is :
(A) Hypothyroidism
(B) Tuberous sclerosis
(C) Toxoplasmosis
(D) Down's syndrome
17. All the following statements about Diffuse Axonal Injury are true EXCEPT :
(A) Caused by shearing force
(B) Predominant white matter haemorrhages in basal ganglion and corpus callosum
(C) Increased intracranial tension is seen in all the cases
(D) Most common at junction of grey and white matter
18. Recurrent Giardiasis is associated with :
(A) Severe combined immunodeficiency
(B) Common variable immunodeficiency
(C) DiGeorge syndrome
(D) C8 deficiency
19. Which of the following is characteristic of Diabetes mellitus ?
(A) Encephalopathy
(B) Myelopathy
(C) Myopathy
(D) Retinopathy
20. Pseudo-dementia is seen in :
(A) Alcoholism
(B) Depression
(C) Schizophrenia
(D) Mania

21. The complication of 3rd stage of labor is caused by :
- (A) Retained placenta
 - (B) Obstruction of labor
 - (C) Rigid os
 - (D) Elderly Primigravida
22. The septate uterus is formed as a result of :
- (A) Fusion of mullerian duct
 - (B) Incomplete infusion of the duct
 - (C) Non-canalisation of the duct
 - (D) Non-resorption of median septum
23. The precise method of estimation of gestational age during 1st trimester is by measuring :
- (A) Gestational sac
 - (B) Crown-rump length
 - (C) Bi-parietal diameter
 - (D) Femur length
24. The most common cause of PPH is :
- (A) Uterine laceration
 - (B) Uterine atony
 - (C) Cervical laceration
 - (D) Vaginal laceration
25. Convelaire uterus is associated with :
- (A) Placenta previa
 - (B) Abruptio-placenta
 - (C) Vasaprevia
 - (D) All of the above
26. Which of the following is not associated with Oligo-hydramnia ?
- (A) PROM
 - (B) IUGR
 - (C) Renal agenesis
 - (D) Down's Syndrome
27. Which of the following is not a manifestation of pelvic relaxation ?
- (A) Uterine prolapse
 - (B) Procidentia
 - (C) Vault prolapse
 - (D) Uterine retroversion
28. What type of abnormal bleeding is associated with Endometriosis ?
- (A) Menorrhagia
 - (B) Anovulatory bleeding
 - (C) Amenorrhoea
 - (D) Metropathia haemorrhagica
29. Corpus-luteal insufficiency can be diagnosed from :
- (A) BBT
 - (B) Endometrial biopsy
 - (C) Progesterone assay
 - (D) None of the above
30. The most common indications of diagnostic laparoscopy in gynaecology is :
- (A) Chronic pelvic pain
 - (B) Vaginal intra-epithelial neoplasia

- (C) Genital malformation
(D) Gonadal abnormality
31. A young patient presents with History of Dysphagia more to liquid than solids. The first investigation you will do is :
(A) Barium Swallow
(B) Esophagoscopy
(C) Ultrasound of the Chest
(D) CT scan of the Chest
32. A Blood Stained Discharge from the nipple indicates :
(A) Breast abscess
(B) Fibroadenoma
(C) Duct papilloma
(D) Fat necrosis of breast
33. The commonest site of oral cancer among Indian population is :
(A) Tongue
(B) Floor of Mouth
(C) Alveobuccal Complex
(D) Lip
34. Bedsore is an example of :
(A) Tropical Ulcer
(B) Trophic Ulcer
(C) Venous Ulcer
(D) Post Thrombotic Ulcer
35. A person is brought to the emergency as a case of road-traffic accident. He is hypotensive. Most likely ruptured organ is :
(A) Spleen
(B) Mesentery
(C) Kidney
(D) Rectum
36. Brain Abscess may be due to :
(A) Chronic Sinus
(B) Chronic Lung Abscess
(C) Trauma
(D) None of the above
37. Pain in acute appendicitis is commonly referred to :
(A) Right shoulder
(B) Right groin
(C) Umbilicus
(D) External genitalia
38. Rectal bleeding in a child is likely to be :
(A) Fissure
(B) Polyp
(C) Proctitis
(D) Hemorrhoids
39. Under the WHO 'Vision 2020' programme, the SAFE strategy is adopted for which of the following diseases ?
(A) Trachoma

- (B) Glaucoma
(C) Diabetic retinopathy
(D) Onchocerciasis
40. A 45 years old woman presents with a hard and mobile lump in the breast, next investigation is :
(A) FNAC
(B) USG
(C) Mammography
(D) Excision Biopsy
41. In a 27 years old male most common cause of a colovesical fistula would be :
(A) Crohn's disease
(B) Ulcerative Colitis
(C) TB
(D) Cancer Colon
42. Ulcer that may develop in burn tissue is :
(A) Marjolin's
(B) Rodent
(C) Melanoma
(D) Curling's
43. A male aged 60 years has foul breath. He regurgitates food that is catch 3 days ago. Likely diagnosis is :
(A) Zenker's Diverticulum
(B) Meckel's Diverticulum
(C) Scleroderma
(D) Achalsia Cardia
44. A 56 years old woman has not passed stools for the last 14 days. X-ray shows no air/fluid levels. Probable diagnosis is :
(A) Paralytic ileus
(B) Aganglionosis of the colon
(C) Intestinal pseudo-obstruction
(D) Duodenal obstruction
45. A child presents with an expansible swelling on medial side of the nose. Likely Diagnosis is :
(A) Teratoma
(B) Meningocele
(C) Dermoid Cyst
(D) Lipoma
46. Identify the wrong statement :
(A) Early diagnosis and treatment is the intervention in secondary level of prevention.
(B) Vitamin A supplementation is an example of general health promotion in primary prevention.
(C) Lead time is the period between diagnosis by early detection and diagnosis by other means.
(D) Disability limitation is an intervention in tertiary level of prevention.

47. Which one is correct about vector borne transmissions ?

- (A) In mechanical type of transmission no multiplication but development of a causative agent in a vector can take place
- (B) Malaria Transmission is an example of cyclo-developmental type of biological transmission
- (C) Filariasis transmission is an example of cyclo-propagative type of biological transmission
- (D) Plague transmission is an example of propagative type of biological transmission

48. Find out the wrong statement among the following :

- (A) Chicken pox vesicles may form crust without going through the pustular stage.
- (B) Mumps cases are maximum infectious just before and at the onset of parotitis.
- (C) Post-Auricular and Cervical Lymphadenopathy appear before rash in Rubella.
- (D) In measles Koplik's Spots are pathognomonic of measles and appears in eruptive stage.

49. Which one is not a correct statement ?

- (A) Kerala is Filaria free.
- (B) Plasmodium malarae is reported in India from Karnataka only.
- (C) Diethylcarbamazine (DEC) can be used for therapeutic as well as diagnostic purpose in lymphatic filariasis.
- (D) Secondary infection with Dengue serotype 2 or multiple infection with different serotypes lead to severe form of Dengue, DHF (Dengue Haemorrhagic Fever) / DSS (Dengue Shock Syndrome).

50. Identify the incorrect statement :

- (A) Tetanus is a disease in which herd immunity does not protect the individual.
- (B) Lepa reactions are due to Lepromin Test.
- (C) Contact tracing and cluster testing are used for control of STD/STI.
- (D) A person who has recovered from Tetanus must be immunized against tetanus actively.

51. Which is not a method of assessment of obesity ?

- (A) Quetelet's Index
- (B) Ponderal Index

- (C) Gomez classification
 - (D) Skinfold thickness
52. Which is not correct as per Census 2011 of India ?
- (A) Growth Rate – 1.64
 - (B) Sex Ratio – 933 females per thousand males
 - (C) Population Density – 382/Sq. Km.
 - (D) Literacy Rate – 74.04%
53. Find out the wrong statement :
- (A) Vitamin C, Vitamin E and Beta Carotene are examples of dietary oxidants.
 - (B) Coconut oil contains very high amount of saturated fatty acids.
 - (C) Vitamin B₁₂ is not found in food of vegetable origin.
 - (D) Lactation demands about 550 kcal/day.
54. Which one is a false statement ?
- (A) Among the pulses soyabean contain maximum fat and protein.
 - (B) Linoleic acid is the most essential fatty acid.
 - (C) Protein energy ratio is used for the assessment of protein quality.
 - (D) Alcohol supplies about 7 kcal/gram of energy.

55. Which is not a correct statement ?
- (A) Drinking water should be moderately hard.
 - (B) Comfortably corrected effective temperature is 25-27° C.
 - (C) Soiling index is an indicator of air pollution.
 - (D) 75db is the recommended maximum daily exposure of noise that people can tolerate without substantial damage to their hearing.
56. Which one is a wrong statement ?
- (A) Strength of sewage is expressed in terms of B. O. D., C. O. D. and Suspended solids.
 - (B) Sewage contains 99.9% of water.
 - (C) Composting is a method of disposal of refuse and not of nightsoil or sludge.
 - (D) In septic tank both aerobic and anaerobic digestions take place.
57. Which one is not a correct statement ?
- (A) Under E. S. I. Act there are provisions for many benefits for the employees but no benefit for employer.

- (B) Maximum occupational cancers are skin cancer.
- (C) Dust size 0.5-3 micron is responsible for pneumoconiosis.
- (D) Pre-placement Examination and Periodical Examination are the examples of medical measure for prevention of occupational diseases.
58. Find out the incorrect one :
- (A) Gobi campaign is a programme of UNICEF.
- (B) Millennium Development Goals (MDG) is a W. H. O. Project.
- (C) Bio-medical Waste (Management and Handling) Rule, 1998 prescribed by Ministry of Environment and Forests.
- (D) The Swedish International Development Agency (SIDA) is assisting National Tuberculosis Control Programme in India.
59. Which is a false statement among the following ?
- (A) At present (2012-2017) we are under 13th Five Year Plan.
- (B) Sample Registration System is a source of health information in India.
- (C) Mode is an example of Measures of Central Tendency.
- (D) Standard Deviation is an example of Measures of Dispersion.
60. As per National Health Policy, 2002 which is not a correct goal ?
- (A) Reduction of Infant Mortality Rate (IMR) to 30/1000 live birth by 2010
- (B) Reduction of Maternal Mortality Rate (MMR) to 100/100000 live birth by 2010
- (C) Elimination of Lymphatic Filariasis by 2015
- (D) Elimination of Leprosy by 2010
61. The surest sign of identity of an individual is :
- (A) Any birth marks
- (B) Finger impression
- (C) Skull size
- (D) None of the above
62. Exhumation is done by the order of :
- (A) Police Officer
- (B) Medical Officer
- (C) District Magistrate
- (D) Concerned Lawyer
63. The edges of the incised wound in Scrotum is :
- (A) Retracted

- (B) Everted
(C) Inverted
(D) None of the above
64. Strangulation, by holding the neck of the victim in the bend of elbow is :
(A) Chocking
(B) Nugging
(C) Gaggling
(D) Cafe coronary
65. What is the surest sign of rape below 16 years or age ?
(A) Spermatozoa in genital tract
(B) Rupture of Hymen
(C) Tear of cervix
(D) None of the above
66. Sexual gratification by seeing some portions of the body of girl :
(A) Masochism
(B) Fetichism
(C) Exhibitionism
(D) Incest
67. A child born dead after 28 weeks of pregnancy condition called :
(A) Still born
(B) Abortion
(C) Miscarriage
(D) None of the above
68. Takes maximum time to putrefy is :
(A) Liver
(B) Brain
(C) Puerperal uterus
(D) Virgin uterus
69. Which of these is a cardiac poison ?
(A) Yellow olender
(B) Strychnin
(C) Cannabis indica
(D) Dhatura
70. Best homicidal poison among the following is :
(A) Arsenic
(B) Aconite
(C) Lead poison
(D) Dhatura
71. Immunohistochemistry is employed for the following purpose :
(A) To distinguish neoplastic from non-neoplastic lesion
(B) To distinguish benign and malignant lesion
(C) To localise the cell of origin of tumour
(D) To detect autoantibodies in the serum

72. CD4 T cell count in crisis phase of HIV according to revised HIV/AIDS classification is :
- (A) < 100/microlitre
 - (B) < 200/microlitre
 - (C) < 250/microlitre
 - (D) < 500/microlitre
73. Lepromin test is positive in :
- (A) Lepromatous leprosy
 - (B) Borderline lepromatous leprosy
 - (C) Tuberculoid leprosy
 - (D) Intermediate leprosy
74. Hypercalcaemia as a paraneoplastic syndrome is observed in the following tumours except :
- (A) Squamous cell carcinoma lung
 - (B) Small cell carcinoma lung
 - (C) Renal cell carcinoma
 - (D) Breast cancer
75. DNA extraction is a pre-requisite for the following molecular techniques except :
- (A) PCR technique
 - (B) In situ hybridisation
 - (C) Western blot technique
 - (D) Southern blot technique
76. State of hypervitaminosis occurs in :
- (A) Vitamin A and B
 - (B) Vitamin B and C
 - (C) Vitamin C and D
 - (D) Vitamin A and D
77. The following lipid has highest association with atherosclerosis :
- (A) Triglycerides
 - (B) Low density lipoproteins
 - (C) Very low density lipoproteins
 - (D) High density lipoproteins
78. All of the following cause left-sided heart failure except :
- (A) Cor pulmonale
 - (B) Systemic hypertension
 - (C) Mitral stenosis
 - (D) Ischaemic heart disease
79. Mallory's hyalin is seen in the following conditions except :
- (A) Alcoholic hepatitis
 - (B) Hepatocellular carcinoma
 - (C) Post necrotic cirrhosis
 - (D) Primary biliary cirrhosis
80. Nephrocalcinosis is characterised by deposition of calcium salt at the following locations except :
- (A) Basement membrane
 - (B) Within mitochondria
 - (C) Lysosomes
 - (D) Cytoplasm

81. Mark the sulcuses that border anterior funiculus of the spinal cord :

- (A) The right and left anterolateral sulcuses
- (B) The right and left posterolateral sulcuses
- (C) The anterolateral and posterolateral sulcuses
- (D) The anterior median fissure and anterolateral sulcus

82. The atlas vertebrae is unique having :

- (A) No body
- (B) A spine
- (C) Foramen transversarium
- (D) All of the above

83. Which of the following does not pass through the carpal tunnel ?

- (A) Ulnar nerve
- (B) Median nerve
- (C) Flexor pollicis longus
- (D) Flexor digitorum

84. All of the following cranial nerve control eye movement except :

- (A) Optic nerve
- (B) Oculomotor nerve
- (C) Abducent nerve
- (D) Trochlear nerve

85. The chromosomal formula of the normal human ovum is :

- (A) 45 autosomes and 2X chromosomes
- (B) 45 autosomes and 1X chromosomes
- (C) 22 autosomes and 1Y chromosomes
- (D) 22 autosomes and 1X chromosomes

86. The shoulder joint is weakest :

- (A) Above
- (B) Below
- (C) Medially
- (D) Laterally

87. The muscle pair responsible for abducting the humerus to a right angle :

- (A) Deltoid and subscapularis
- (B) Deltoid and supraspinatus
- (C) Supraspinatus and subscapularis
- (D) Teres major and subscapularis

88. The Grinning Muscle is :

- (A) Masseter
- (B) Risorius
- (C) Zygomaticus major
- (D) Levator anguli oris

89. The Stylohyoid Sternocleidomastoid and superior belly of omohyoid bounded the following triangle of neck :

- (A) Submental

- (B) Digestric
(C) Anterior
(D) None of the above
90. The apex of the Cubital Fossa is formed by :
(A) Brachioradialis and pronator teres
(B) Brachialis and pronator teres
(C) Bicepsbrachi and supenator
(D) Brachioradialis and biceps brachi
91. Of the following anticoagulants which can be used both in vitro and in vivo ?
(A) Heparin
(B) Oxalate
(C) Citrate
(D) Hirudin
92. The hypertrophied ventricle becomes depolarised :
(A) Before the normal size
(B) After the normal ventricle
(C) More rapidly than the normal ventricle
(D) At the same time as normal one
93. Shortly after birth the ductus arteriosus constricts in response to :
(A) Increased temperature
(B) Increased PO_2
(C) Decreased PCO_2
(D) Increased PH
94. Dumping syndrome is mostly due to :
(A) Considerable rise in plasmakinin
(B) Exagerrated fluctuation of blood glucose
(C) Marked increase in lipid of feces
(D) All of the above
95. Which of the following constituent of the glomerular filtrate is completely reabsorbed ?
(A) Urea
(B) Uric Acid
(C) Glucose
(D) Protein
96. Chymotrypsin hydrolyses peptide bonds in which carboxyl group is contributed by :
(A) Phenylalanine
(B) Tyrosine
(C) Tryptophan
(D) All of the above
97. Loss of Thiamin can be decreased by using :
(A) Unpolished rice
(B) Parboiled rice
(C) Whole wheat flour
(D) All of the above
98. Pyruvate dehydrogenase complex is regulated by :
(A) Covalent modification

(B) Allosteric regulation

(C) Both of the above

(D) None of the above

99. Intestinal absorption of calcium occurs by:

(A) Active uptake

(B) Simple diffusion

(C) Facilitated diffusion

(D) Endocytosis

100. Predominant fatty acids in meat are :

(A) Saturated

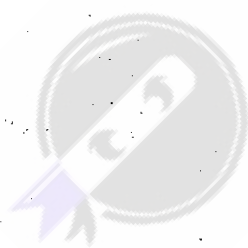
(B) Monounsaturated

(C) Polyunsaturated

(D) Mono and Polysaturated

SPACE FOR ROUGH WORK

SEAL



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